



**ESSENTRA**

COMPONENTS



# TESTEN SIE IHRE MATERIALIEN NOCH HEUTE

Unsere Schrauben, Muttern und Unterlegscheiben sind in den folgenden Materialien erhältlich und für zahlreiche spezifische Anwendungen geeignet:

Nylon

Polypropylen

PVDF

PEEK®

Polycarbonat

POM

TPG

HDPE

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# VERBINDUNGS - UND BEFESTIGUNGSELEMENTE

UNTERLEGSCHLEIBEN, DISTANZSTÜCKE  
UND BUCHSEN



762

SCHRAUBEN UND MUTTERN



777

NIETEN UND PLATTENBEFESTIGUNGEN



800

SCHNAPPNÄGEL UND  
SPERRKLINKENVERSCHLÜSSE



818

BINDERSCHRAUBEN UND  
SCHNAPPBEFESTIGUNGEN



826

SAUGNÄPFE



830

MAGNETE



832

METALLBEFESTIGUNGEN



836

# UNTERLEGSCHLEIBEN, DISTANZSTÜCKE UND BUCHSEN

## Unterlegscheiben

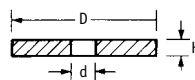
SR 1940

Nylon 6.6, natur

POM\*



- Isolierung gegen Feuchtigkeit und Elektrizität
- Beständig gegen Korrosion, Abrieb und die meisten Chemikalien
- Vollständige Isolierung, Dämpfung und Abstandhaltung



| Artikelnummer |         | Maße (mm) |      |     | Stück/VPE |
|---------------|---------|-----------|------|-----|-----------|
| Natur         | Schwarz | d         | D    | H   |           |
| 8042560000VR  | 1340103 | 2.2       | 5    | 0.5 | 1000      |
| 8042780000VR  | 1340104 | 2.2       | 5    | 1   | 1000      |
| 8042690000VR  | 1340105 | 2.3       | 4.8  | 0.5 | 1000      |
| 490623        | -       | 2.5       | 8    | 1   | 1000      |
| 1110210400VR* | -       | 2.6       | 5    | 2   | 1000      |
| 1110220400VR* | -       | 2.6       | 5    | 3   | 1000      |
| 003025100001  | -       | 2.7       | 6.5  | 0.5 | 1000      |
| 003025000001  | -       | 2.7       | 6.8  | 1.1 | 1000      |
| 003020200001  | -       | 2.7       | 8    | 1   | 1000      |
| 1001080000VR  | -       | 2.7       | 9    | 1   | 1000      |
| 1008360000VR  | -       | 2.7       | 10   | 1   | 1000      |
| 1007870000VR  | -       | 3         | 7    | 1   | 1000      |
| 1007880000VR  | -       | 3         | 8    | 2.5 | 1000      |
| 1110300400VR* | -       | 3.1       | 5    | 2   | 1000      |
| 1110310400VR* | -       | 3.1       | 5    | 3   | 1000      |
| 1006020000VR  | 1340107 | 3.1       | 6    | 1   | 1000      |
| 1112130000VR  | -       | 3.1       | 8    | 3   | 1000      |
| 1005190000VR  | 1340108 | 3.2       | 6    | 2   | 1000      |
| 003030500001  | -       | 3.2       | 7    | 0.5 | 1000      |
| 470833        | -       | 3.2       | 7    | 1.4 | 1000      |
| 8042400000VR  | 1340110 | 3.2       | 7.2  | 1   | 1000      |
| 1001120000VR  | -       | 3.2       | 8.1  | 1.5 | 1000      |
| 1344045       | -       | 3.2       | 10   | 0.8 | 1000      |
| 470831        | -       | 3.2       | 12.8 | 0.8 | 1000      |
| 033030100001  | -       | 3.2       | 15   | 1.5 | 500       |
| 490624        | 1340111 | 3.3       | 8    | 1   | 1000      |
| 1344070       | -       | 3.4       | 10   | 2   | 1000      |
| 1008330000VR  | 1340112 | 3.5       | 7    | 1   | 1000      |
| 003030300001  | -       | 3.5       | 8    | 1   | 1000      |
| 1005220000VR  | 1340113 | 3.6       | 8    | 0.8 | 1000      |
| 1344060       | -       | 3.7       | 7    | 0.5 | 1000      |
| 1009930000VR  | 1340114 | 4         | 7    | 2   | 1000      |
| 1000630000VR  | -       | 4         | 17.5 | 3.2 | 1000      |
| 490622        | 1340115 | 4.1       | 10   | 1   | 1000      |
| 1001170000VR  | 1340116 | 4.2       | 8    | 1.2 | 1000      |
| 1001180000VR  | -       | 4.2       | 8    | 2   | 1000      |
| 490625        | 1340117 | 4.2       | 8    | 3   | 1000      |
| 1009790000VR  | -       | 4.2       | 9    | 2.5 | 1000      |
| 0040080000VR  | -       | 4.2       | 10   | 0.8 | 1000      |
| 1001200000VR  | -       | 4.2       | 10   | 1   | 1000      |
| 1001210000VR  | -       | 4.2       | 10   | 1.2 | 1000      |
| 1007900000VR  | -       | 4.2       | 10   | 1.5 | 1000      |
| 1000130000VR  | -       | 4.2       | 10   | 2   | 1000      |
| 1344047       | -       | 4.3       | 7    | 0.5 | 1000      |
| 1006550000VR  | -       | 4.3       | 7    | 2   | 1000      |
| 490626        | 1340118 | 4.3       | 8    | 0.8 | 1000      |
| 003040700001  | -       | 4.3       | 9    | 0.8 | 1000      |
| 470834        | -       | 4.3       | 9    | 1.4 | 1000      |
| 1008130000VR  | -       | 4.3       | 10   | 1   | 1000      |
| 490627        | 1340120 | 4.3       | 12.8 | 0.8 | 1000      |
| 1344078       | -       | 4.3       | 18   | 1.5 | 1000      |
| 1006590000VR  | -       | 4.3       | 18   | 2   | 1000      |
| 1004710000VR  | 1340121 | 4.4       | 12   | 2   | 1000      |
| 1005090000VR  | -       | 4.5       | 26   | 2   | 1000      |
| 1344048       | -       | 4.9       | 8    | 0.8 | 1000      |
| 490612        | -       | 4.9       | 9    | 0.8 | 1000      |
| 490618        | 1340122 | 4.9       | 10   | 0.8 | 1000      |
| 1006610000VR  | -       | 4.9       | 12.7 | 1.4 | 1000      |
| 1006620000VR  | -       | 4.9       | 12.7 | 3.2 | 1000      |
| 1006630000VR  | -       | 4.9       | 15.9 | 2.5 | 1000      |
| 1007910000VR  | -       | 5         | 12   | 1   | 1000      |

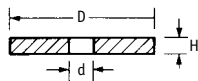
| Artikelnummer |         | Maße (mm) |      |     | Stück/VPE |
|---------------|---------|-----------|------|-----|-----------|
| Natur         | Schwarz | d         | D    | H   |           |
| 1005030000VR  | 1340123 | 5.1       | 11.1 | 2.4 | 1000      |
| 1008660000VR  | 1340124 | 5.2       | 8    | 2   | 1000      |
| 1008380000VR  | -       | 5.2       | 9    | 1   | 1000      |
| 470828        | -       | 5.3       | 10   | 1   | 1000      |
| 1001240000VR  | -       | 5.2       | 10   | 3   | 1000      |
| 490616        | -       | 5.2       | 12   | 1   | 1000      |
| 1007090000VR  | -       | 5.3       | 12   | 1.6 | 1000      |
| 1344044       | -       | 5.3       | 12.5 | 1.6 | 1000      |
| 1020180000VR  | -       | 5.3       | 15   | 1.5 | 1000      |
| 1020260000VR  | -       | 5.3       | 15   | 1.6 | 1000      |
| 1344059       | -       | 5.3       | 17   | 1.6 | 1000      |
| 1007080000VR  | -       | 5.3       | 18   | 1.5 | 1000      |
| 03050100001   | -       | 5.3       | 20   | 3   | 1000      |
| 030500000001  | -       | 5.3       | 25   | 2.5 | 500       |
| 041050000001  | -       | 5.4       | 10.1 | 1   | 1000      |
| 1344073       | -       | 5.5       | 8    | 0.8 | 1000      |
| 1340058       | -       | 5.5       | 10   | 0.8 | 1000      |
| 1340049       | -       | 5.5       | 12.8 | 0.8 | 1000      |
| 1008300000VR  | -       | 5.7       | 9    | 2.3 | 1000      |
| 1005320000VR  | 1340125 | 5.8       | 10   | 0.8 | 1000      |
| 470829        | -       | 6         | 12   | 1   | 1000      |
| 490619        | 1340126 | 6.1       | 11   | 1   | 1000      |
| 1000270000VR  | -       | 6.1       | 16   | 1   | 1000      |
| 1008680000VR  | 1340127 | 6.2       | 10   | 1   | 1000      |
| 1001310000VR  | 1340128 | 6.2       | 12   | 1   | 1000      |
| 1001320000VR  | 1340129 | 6.2       | 12   | 2   | 1000      |
| 1001330000VR  | -       | 6.2       | 12   | 3   | 1000      |
| 0040140000VR  | -       | 6.2       | 14   | 1.2 | 1000      |
| 1008700000VR  | 1340130 | 6.2       | 16   | 1   | 1000      |
| 1004570000VR  | 1340131 | 6.2       | 22   | 2   | 1000      |
| 1007920000VR  | -       | 6.3       | 14   | 1   | 1000      |
| 1000280000VR  | -       | 6.3       | 16   | 3   | 1000      |
| 1006670000VR  | 1340132 | 6.4       | 10   | 2.5 | 1000      |
| NWE-34815-M6  | -       | 6.4       | 12   | 1.6 | 1000      |
| 0050300000VR  | -       | 6.4       | 12.5 | 1.6 | 1000      |
| 1002300000VR  | -       | 6.4       | 14   | 1.5 | 1000      |
| 1007510000VR  | -       | 6.4       | 15   | 1.5 | 1000      |
| 1340050       | -       | 6.4       | 15   | 1.6 | 1000      |
| 1340054       | -       | 6.4       | 16   | 1.6 | 1000      |
| 1340046       | -       | 6.4       | 18   | 1.5 | 1000      |
| 1007050000VR  | -       | 6.4       | 18   | 2   | 1000      |
| 1007190000VR  | -       | 6.4       | 20   | 2   | 1000      |
| 1007280000VR  | -       | 6.4       | 22   | 2   | 1000      |
| 1007320000VR  | -       | 6.4       | 24   | 2   | 1000      |
| 8041690000VR  | -       | 6.4       | 25   | 1.6 | 1000      |
| 1006680000VR  | -       | 6.4       | 30   | 3   | 1000      |
| 03060600001   | -       | 6.5       | 14   | 1.2 | 500       |
| 1002380000VR  | 1340133 | 6.5       | 15.9 | 0.5 | 1000      |
| 8042220000VR  | -       | 6.5       | 16.5 | 2.5 | 1000      |
| 03060800001   | -       | 6.6       | 14.3 | 1.4 | 500       |
| 1007130000VR  | -       | 7.5       | 18   | 1.5 | 1000      |
| 1340068       | -       | 7.5       | 18   | 2   | 1000      |
| 1007300000VR  | -       | 7.7       | 12   | 2   | 1000      |
| 470835        | -       | 8.1       | 14   | 1   | 1000      |
| 8041120000VR  | -       | 8.1       | 14   | 2   | 1000      |
| 1007930000VR  | -       | 8.1       | 14   | 3   | 1000      |
| 1008730000VR  | 1340134 | 8.2       | 12   | 1   | 1000      |
| 1008740000VR  | 1340135 | 8.2       | 12   | 2   | 1000      |
| 05555000002   | -       | 8.2       | 12   | 3   | 500       |
| 1340061       | -       | 8.2       | 15   | 1.5 | 1000      |
| 1001400000VR  | -       | 8.2       | 16   | 1   | 1000      |

FORTSETZUNG AUF DER NÄCHSTEN SEITE

## Unterlegscheiben FORTSETZUNG

SR 1940

Nylon 6,6; natur



| Artikelnummer |         | Maße (mm) |      |     | Stück/VPE |
|---------------|---------|-----------|------|-----|-----------|
| Natur         | Schwarz | d         | D    | H   |           |
| 1001410000VR  | 1340136 | 8.2       | 16   | 1.5 | 1000      |
| 1001420000VR  | 1340137 | 8.2       | 16   | 2   | 1000      |
| 1001430000VR  | -       | 8.2       | 16   | 3   | 1000      |
| 0040160000VR  | -       | 8.2       | 18   | 1.5 | 1000      |
| 1008780000VR  | -       | 8.2       | 25   | 1   | 1000      |
| 1008810000VR  | 1340138 | 8.2       | 30   | 1   | 1000      |
| 1008820000VR  | 1340139 | 8.2       | 30   | 2   | 1000      |
| 1001450000VR  | 1340140 | 8.2       | 30   | 3   | 1000      |
| 1344066       | -       | 8.4       | 12   | 1.6 | 1000      |
| 031080100001  | -       | 8.4       | 13   | 2.8 | 500       |
| 1006730000VR  | -       | 8.4       | 15   | 1.5 | 1000      |
| 0050350000VR  | -       | 8.4       | 17   | 1.6 | 1000      |
| 0030800000001 | -       | 8.4       | 17   | 2   | 500       |
| 1001470000VR  | -       | 8.4       | 20   | 2   | 1000      |
| 1007250000VR  | -       | 8.4       | 21   | 2   | 1000      |
| 1008140000VR  | -       | 8.4       | 22   | 2   | 1000      |
| 1020220000VR  | -       | 8.4       | 25   | 2   | 1000      |
| 0320800000001 | -       | 8.4       | 25   | 2.5 | 500       |
| 1006740000VR  | -       | 8.4       | 40   | 3   | 1000      |
| 1008310000VR  | -       | 9         | 14.4 | 3   | 1000      |
| 1344072       | -       | 9         | 20   | 2   | 1000      |
| 1344075       | -       | 9         | 24   | 2   | 1000      |
| 1344052       | -       | 9.2       | 14.5 | 2   | 1000      |
| 1344069       | -       | 9.2       | 16   | 1.6 | 1000      |
| 1006750000VR  | -       | 9.6       | 18   | 1.2 | 1000      |
| 1006760000VR  | -       | 10.2      | 17   | 2   | 1000      |
| 1001530000VR  | -       | 10.2      | 20   | 1   | 1000      |
| 0040180000VR  | -       | 10.2      | 22   | 2   | 1000      |
| 1008860000VR  | 1340141 | 10.2      | 25   | 1   | 1000      |
| 1008870000VR  | -       | 10.2      | 25   | 2   | 1000      |
| 1008880000VR  | 1340142 | 10.2      | 25   | 3   | 1000      |
| 1342921       | -       | 10.5      | 16   | 2   | 1000      |
| 1010470000VR  | -       | 10.5      | 18   | 1.5 | 1000      |
| 1344056       | -       | 10.5      | 18   | 2   | 1000      |
| 1344055       | -       | 10.5      | 21   | 2   | 1000      |
| 0031018000001 | -       | 10.5      | 21   | 2.5 | 500       |
| 1344051       | -       | 10.5      | 27   | 2.5 | 1000      |
| 1008320000VR  | -       | 10.5      | 30   | 3   | 1000      |
| 1007350000VR  | -       | 10.5      | 34   | 3   | 1000      |
| 1344077       | -       | 10.5      | 36   | 3   | 1000      |
| 1005100000VR  | -       | 10.5      | 37   | 3   | 1000      |
| 1007370000VR  | -       | 10.5      | 39.5 | 3   | 1000      |
| 1006320000VR  | -       | 10.5      | 50   | 3   | 1000      |
| 1000990000VR  | -       | 11        | 27   | 2.5 | 1000      |
| 1006770000VR  | -       | 11.2      | 18   | 1.2 | 1000      |
| 1007170000VR  | -       | 12        | 18   | 2   | 1000      |
| 1007210000VR  | -       | 12        | 20   | 2   | 1000      |
| 1344062       | -       | 12        | 22   | 2   | 1000      |
| 1344064       | -       | 12        | 24   | 2   | 1000      |
| 1006780000VR  | -       | 12.2      | 24   | 1.3 | 1000      |
| 1000520000VR  | -       | 12.5      | 24   | 2.5 | 1000      |
| 1344063       | -       | 12.5      | 27   | 2.5 | 1000      |
| 1112000000VR  | -       | 12.8      | 18   | 3   | 1000      |
| 1344071       | -       | 13        | 18   | 2   | 1000      |
| 1001620000VR  | -       | 13        | 20   | 1   | 1000      |
| 1344074       | -       | 13        | 21   | 2   | 1000      |
| 1008340000VR  | -       | 13        | 22   | 2   | 1000      |
| 1008350000VR  | -       | 13        | 24   | 2   | 1000      |
| 0031215000001 | -       | 13        | 24   | 2.5 | 500       |
| 1008390000VR  | -       | 13        | 30   | 3   | 1000      |

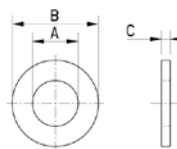
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| 1007380000VR  | -       | 13        | 34   | 3   | 1000      |
| 1007390000VR  | -       | 13        | 36   | 3   | 1000      |
| 1020570000VR  | -       | 13        | 40   | 3   | 1000      |
| 1007400000VR  | -       | 13        | 50   | 3   | 1000      |
| 1007020000VR  | -       | 13.3      | 18   | 1.5 | 1000      |
| 1344067       | -       | 13.3      | 22   | 1.5 | 1000      |
| 0031205000001 | -       | 13.4      | 24   | 1.4 | 500       |
| 1007950000VR  | -       | 14        | 20   | 1   | 1000      |
| 1342923       | -       | 14.5      | 25   | 3   | 1000      |
| 1007960000VR  | -       | 14.5      | 28   | 1   | 1000      |
| 1342924       | -       | 14.5      | 30   | 2.5 | 1000      |
| 1006010000VR  | -       | 14.5      | 32   | 3   | 1000      |
| 1008230000VR  | -       | 15        | 26   | 2   | 1000      |
| 1344076       | -       | 15        | 27   | 2.5 | 1000      |
| 0031400000001 | -       | 15        | 28   | 2.5 | 250       |
| 1008420000VR  | -       | 15        | 40   | 3   | 1000      |
| 1007430000VR  | -       | 15        | 50   | 3   | 1000      |
| 0031403000001 | -       | 15.2      | 26   | 1.4 | 250       |
| 1009690000VR  | 1340143 | 16        | 22   | 3   | 1000      |
| 1008260000VR  | -       | 16        | 27   | 2   | 1000      |
| 1009350000VR  | 1340144 | 16.2      | 25   | 3   | 1000      |
| 1009380000VR  | 1340145 | 16.2      | 30   | 3   | 250       |
| 0040240000VR  | -       | 16.5      | 32   | 3   | 1000      |
| 1344065       | -       | 17        | 28   | 2   | 250       |
| 0031609000001 | -       | 17        | 30   | 3   | 250       |
| 1008440000VR  | -       | 17        | 40   | 3   | 1000      |
| 0031605000001 | -       | 17.2      | 26   | 1.4 | 250       |
| 1008270000VR  | -       | 17.5      | 27   | 2   | 1000      |
| 1342925       | -       | 18.5      | 36   | 3   | 1000      |
| 1007460000VR  | -       | 19        | 30   | 3   | 1000      |
| 1007480000VR  | -       | 19        | 50   | 3   | 1000      |
| 0031805000001 | -       | 19.2      | 34   | 1.5 | 100       |
| 1009540000VR  | 1340146 | 20.2      | 30   | 1   | 500       |
| 1008450000VR  | -       | 21        | 30   | 3   | 500       |
| 1007490000VR  | -       | 21        | 36   | 3   | 500       |
| 0032000000001 | -       | 21        | 37   | 3   | 100       |
| 1007500000VR  | -       | 21        | 50   | 3   | 500       |
| 0032003000001 | -       | 21.2      | 34   | 1.5 | 100       |
| 1006840000VR  | -       | 22.2      | 34   | 1.5 | 1000      |
| 1342926       | -       | 22.5      | 39.6 | 2.4 | 500       |
| 1006860000VR  | -       | 25.2      | 40   | 1.7 | 250       |
| 1005230000VR  | -       | 26        | 35   | 1   | 500       |
| 1009720000VR  | -       | 38        | 41.8 | 3   | 500       |

## Transparente Unterlegscheiben

SR1927

Polycarbonat

- Hoch transparente Befestigung



| Artikelnummer | Maße (mm) |     |      |     | Stück/VPE |
|---------------|-----------|-----|------|-----|-----------|
|               | Größe     | A   | B    | C   |           |
| 173000200022  | M2        | 2.1 | 4.0  | 0.5 | 100       |
| 173002600022  | M2.6      | 2.7 | 6.0  | 0.5 | 100       |
| 173000300022  | M3        | 3.3 | 8.0  | 0.8 | 100       |
| 173000400022  | M4        | 4.5 | 10.0 | 0.8 | 100       |
| 173000500022  | M5        | 5.5 | 12.0 | 1.0 | 100       |
| 173000600022  | M6        | 6.5 | 13.0 | 1.6 | 100       |
| 173000800022  | M8        | 8.5 | 18.0 | 1.6 | 100       |

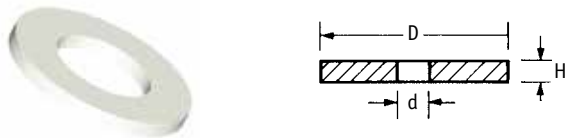
# UNTERLEGSCHLEIBEN, DISTANZSTÜCKE UND BUCHSEN

## Unterlegscheiben, NF E 25-513/25-514

SR 1940

Nylon 6.6, natur

- Maßtoleranzen ähnlich NF E 25-513/25-514



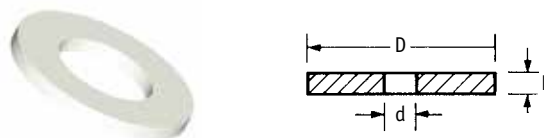
| Artikelnummer | Maße (mm) |      |      |     | Stück/VPE |
|---------------|-----------|------|------|-----|-----------|
|               | Größe     | d    | D    | H   |           |
| 0040020000VR  | M2        | 2.2  | 5.5  | 0.5 | 1000      |
| 0040040000VR  | M2.5      | 2.7  | 7.0  | 0.5 | 1000      |
| 490620        | M3        | 3.2  | 8.0  | 0.8 | 1000      |
| 490617        | M4        | 4.3  | 10.0 | 0.8 | 1000      |
| 0040220000VR  | M5        | 5.3  | 12.0 | 1.0 | 1000      |
| 0040290000VR  | M6        | 6.4  | 14.0 | 1.2 | 1000      |
| 0040390000VR  | M8        | 8.4  | 18.0 | 1.5 | 1000      |
| 0040450000VR  | M10       | 10.5 | 22.0 | 2.0 | 1000      |
| 0040530000VR  | M12       | 13.0 | 27.0 | 2.5 | 500       |
| 1344053       | M14       | 15.0 | 30.0 | 2.5 | 500       |
| 0040640000VR  | M16       | 17.0 | 32.0 | 3.0 | 250       |
| 0040650000VR  | M18       | 19.0 | 36.0 | 3.0 | 250       |
| 0040700000VR  | M20       | 21.0 | 40.0 | 3.0 | 250       |
| 0040750000VR  | M24       | 25.0 | 49.0 | 4.0 | 250       |
| 0040800000VR  | M30       | 31.0 | 60.0 | 4.0 | 250       |

## Unterlegscheiben, DIN 125

SR 1940

Nylon 6.6, natur

- Maßtoleranzen ähnlich DIN 125



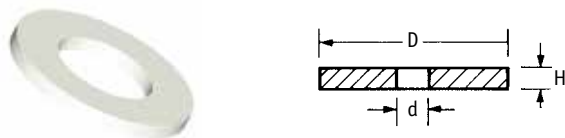
| Artikelnummer | Maße (mm) |      |      |     | Stück/VPE |
|---------------|-----------|------|------|-----|-----------|
|               | Größe     | d    | D    | H   |           |
| 0050010000VR  | M2        | 2.2  | 5.0  | 0.3 | 1000      |
| 0050780000VR  | M2.5      | 2.7  | 6.0  | 0.5 | 1000      |
| 003030500001  | M3        | 3.2  | 7.0  | 0.5 | 1000      |
| 470826        | M3.5      | 3.7  | 8.0  | 0.5 | 1000      |
| 003040700001  | M4        | 4.3  | 9.0  | 0.8 | 1000      |
| 470828        | M5        | 5.3  | 10.0 | 1.0 | 1000      |
| 0050320000VR  | M6        | 6.4  | 12.0 | 1.6 | 1000      |
| 003060000001  | M6        | 6.4  | 18.0 | 2.0 | 100       |
| 0050410000VR  | M8        | 8.4  | 16.0 | 1.6 | 1000      |
| 0050470000VR  | M10       | 10.5 | 20.0 | 2.0 | 1000      |
| 0050550000VR  | M12       | 13.0 | 24.0 | 2.5 | 500       |
| 0050610000VR  | M14       | 15.0 | 30.0 | 3.0 | 1000      |
| 0050650000VR  | M16       | 17.0 | 30.0 | 3.0 | 250       |
| 0050700000VR  | M18       | 19.0 | 34.0 | 3.0 | 250       |
| 0051010000VR  | M20       | 21.0 | 37.0 | 3.0 | 250       |
| 0051030000VR  | M24       | 25.0 | 44.0 | 4.0 | 250       |
| 0051270000VR  | M27       | 28.0 | 50.0 | 4.0 | 250       |
| 0051300000VR  | M30       | 31.0 | 55.5 | 4.0 | 250       |
| 0051360000VR  | M36       | 37.0 | 66.0 | 5.0 | 250       |
| 0051390000VR  | M39       | 40.0 | 72.0 | 6.0 | 250       |

## Unterlegscheiben, DIN 433

SR 1940

Nylon 6.6, natur

- Maßtoleranzen ähnlich DIN 433



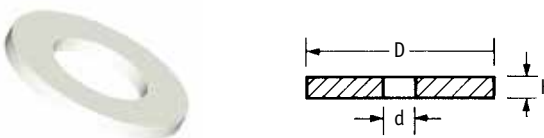
| Artikelnummer | Maße (mm) |      |      |     | Stück/VPE |
|---------------|-----------|------|------|-----|-----------|
|               | Größe     | d    | D    | H   |           |
| 041025100001  | M2        | 2.7  | 5.0  | 0.5 | 1000      |
| 041030100001  | M3        | 3.2  | 6.0  | 0.5 | 1000      |
| 041030000001  | M3        | 3.2  | 6.0  | 1.0 | 1000      |
| 041050000001  | M5        | 5.4  | 10.1 | 1.0 | 1000      |
| 041040100001  | M4        | 4.3  | 8.0  | 0.5 | 1000      |
| 1010260000VR  | M5        | 5.3  | 9.0  | 1.0 | 1000      |
| 041060000001  | M6        | 6.4  | 11.0 | 1.5 | 1000      |
| 1010360000VR  | M8        | 8.4  | 15.0 | 1.6 | 1000      |
| 1010460000VR  | M10       | 10.5 | 18.0 | 1.6 | 1000      |
| 1010540000VR  | M12       | 13.0 | 20.0 | 2.0 | 500       |
| 003120000001  | M12       | 13.0 | 24.0 | 2.5 | 500       |
| 1344057       | M14       | 15.0 | 24.0 | 2.5 | 500       |
| 1010700000VR  | M16       | 17.0 | 28.0 | 2.5 | 250       |
| 1010750000VR  | M20       | 21.0 | 34.0 | 3.0 | 250       |
| 1010780000VR  | M24       | 25.0 | 39.0 | 4.0 | 250       |
| 1010800000VR  | M30       | 31.0 | 50.0 | 4.0 | 250       |

## Unterlegscheiben, DIN 9021

SR 1940

Nylon 6.6, natur

- Maßtoleranzen ähnlich DIN 9021



| Artikelnummer | Maße (mm) |      |      |     | Stück/VPE |
|---------------|-----------|------|------|-----|-----------|
|               | Größe     | d    | D    | H   |           |
| 032030100001  | M3        | 3.2  | 9.0  | 0.8 | 1000      |
| 032040100001  | M4        | 4.3  | 12.0 | 1.0 | 1000      |
| 1020250000VR  | M5        | 5.3  | 15.0 | 1.2 | 1000      |
| 032050100001  | M5        | 5.3  | 15.0 | 1.5 | 500       |
| 1020340000VR  | M6        | 6.4  | 18.0 | 1.6 | 1000      |
| 1020420000VR  | M8        | 8.4  | 23.8 | 2.0 | 1000      |
| 1020480000VR  | M10       | 10.5 | 30.0 | 2.5 | 1000      |
| 1020580000VR  | M12       | 13.0 | 37.0 | 3.0 | 500       |
| 1020630000VR  | M16       | 17.0 | 50.0 | 3.0 | 250       |
| 1020680000VR  | M20       | 22.0 | 60.0 | 4.0 | 250       |
| 1020700000VR  | M24       | 26.0 | 72.0 | 5.0 | 250       |

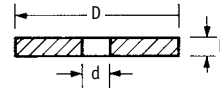
## Unterlegscheiben schwarz, DIN 125

SR 1940

Nylon 6.6, schwarz

| Artikelnummer | Maße (mm) |      |      |     | Stück/VPE |
|---------------|-----------|------|------|-----|-----------|
|               | Größe     | d    | D    | H   |           |
| 490735        | M3        | 3.2  | 7.0  | 0.5 | 100       |
| 0050150001VR  | M4        | 4.3  | 9.0  | 0.8 | 100       |
| 490734        | M5        | 5.3  | 10.0 | 1.0 | 100       |
| 0050320001VR  | M6        | 6.4  | 12.0 | 1.6 | 100       |
| 0050410001VR  | M8        | 8.4  | 16.0 | 1.6 | 100       |
| 0050470001VR  | M10       | 10.5 | 20.0 | 2.0 | 100       |
| 0050550001VR  | M12       | 13.0 | 24.0 | 2.5 | 100       |

• Maßtoleranzen ähnlich DIN 125

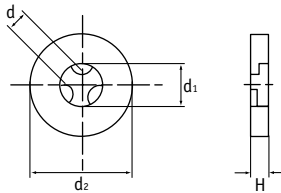


## Unverlierbarkeitsscheiben

SR 1945

HDPE natur

- Kleine Zähne verhindern den Verlust von Schrauben und Bolzen während der Montage



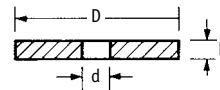
| Artikelnummer | Größe | Maße (mm) |      |      |     | Stück/VPE |
|---------------|-------|-----------|------|------|-----|-----------|
|               |       | d         | d1   | d2   | H   |           |
| 1040040900VR  | M3    | 2.5       | 3.2  | 8.0  | 0.8 | 1000      |
| 1040160900VR  | M3    | 2.5       | 3.2  | 9.0  | 0.8 | 1000      |
| 1040170900VR  | M3    | 2.5       | 3.2  | 10.0 | 0.8 | 1000      |
| 1040180900VR  | M3    | 2.5       | 3.2  | 12.8 | 0.8 | 1000      |
| 1040190900VR  | M3.5  | 2.9       | 3.7  | 7.0  | 0.5 | 1000      |
| 497517        | M3.5  | 2.9       | 4.3  | 8.0  | 0.8 | 1000      |
| 497516        | M4    | 3.3       | 4.3  | 9.0  | 0.8 | 1000      |
| 497518        | M4    | 3.3       | 4.3  | 10.0 | 0.8 | 1000      |
| 1040070900VR  | M4    | 3.3       | 4.3  | 10.0 | 0.8 | 1000      |
| 1040220900VR  | M4    | 3.3       | 4.3  | 12.8 | 0.8 | 1000      |
| 497519        | M5    | 4.2       | 5.3  | 10.0 | 1.0 | 1000      |
| 1040080900VR  | M5    | 4.2       | 5.3  | 12.0 | 1.0 | 1000      |
| 1040320900VR  | M5    | 4.2       | 5.3  | 20.0 | 1.0 | 1000      |
| 1040350900VR  | M6    | 4.6       | 6.2  | 9.5  | 1.0 | 1000      |
| 1040340900VR  | M6    | 5.2       | 6.4  | 12.0 | 1.2 | 1000      |
| 1040060900VR  | M6    | 5.2       | 6.4  | 12.0 | 1.6 | 1000      |
| 1040240900VR  | M6    | 5.2       | 6.4  | 12.5 | 1.6 | 1000      |
| 1040090900VR  | M6    | 5.2       | 6.4  | 14.0 | 1.2 | 1000      |
| 1040250900VR  | M6    | 5.2       | 6.4  | 15.0 | 1.6 | 1000      |
| 1040260900VR  | M6    | 5.2       | 6.4  | 16.0 | 1.6 | 1000      |
| 1040270900VR  | M6    | 5.2       | 6.4  | 17.0 | 1.6 | 1000      |
| 1040360900VR  | M8    | 6.6       | 8.4  | 12.0 | 1.6 | 1000      |
| 1040100900VR  | M8    | 6.6       | 8.4  | 18.0 | 1.5 | 1000      |
| 1040280900VR  | M10   | 8.2       | 10.5 | 20.0 | 2.0 | 1000      |
| 1040110900VR  | M10   | 8.2       | 10.5 | 22.0 | 2.0 | 1000      |
| 1040290900VR  | M10   | 8.2       | 10.5 | 24.0 | 2.0 | 1000      |
| 1040140900VR  | M12   | 10.7      | 13.0 | 24.0 | 2.5 | 500       |
| 1040120900VR  | M12   | 10.7      | 13.0 | 27.0 | 2.5 | 500       |
| 1040300900VR  | M12   | 10.7      | 13.0 | 30.0 | 2.5 | 500       |
| 1040130900VR  | M16   | 13.6      | 17.0 | 32.0 | 3.0 | 250       |

## Unverlierbarkeitsscheiben

SR 1940

Nylon 6.6, natur

- Isolierung gegen Feuchtigkeit und Elektrizität
- Beständig gegen Korrosion, Abrieb und die meisten Chemikalien
- Vollständige Isolierung, Dämpfung und Abstandhaltung



| Artikelnummer | Größe | Maße (mm) |      |     | Stück/VPE |
|---------------|-------|-----------|------|-----|-----------|
|               |       | d         | D    | H   |           |
| 041025000001  | -     | 2.7       | 5.0  | 1.0 | 1000      |
| 031025000001  | M2    | 2.7       | 5.0  | 1.5 | 1000      |
| 031030000001  | M3    | 3.2       | 5.5  | 2.2 | 1000      |
| 041030000001  | -     | 3.2       | 6.0  | 1.0 | 1000      |
| 003030000001  | M3    | 3.2       | 7.0  | 1.4 | 1000      |
| 032030000001  | M3    | 3.2       | 9.0  | 1.5 | 1000      |
| 033030000001  | M3    | 3.2       | 15.0 | 1.5 | 500       |
| 031040000001  | M4    | 4.3       | 7.0  | 2.3 | 1000      |
| 041040000001  | -     | 4.3       | 8.0  | 1.0 | 1000      |
| 003040000001  | M4    | 4.3       | 9.0  | 1.4 | 1000      |
| 032040000001  | M4    | 4.3       | 12.0 | 1.4 | 1000      |
| 033040000001  | M4    | 4.3       | 18.0 | 2.0 | 500       |
| 031050000001  | M5    | 5.3       | 8.5  | 2.8 | 1000      |
| 003050000001  | M5    | 5.3       | 11.5 | 1.4 | 1000      |
| 032050000001† | M5    | 5.3       | 15.0 | 1.5 | 500       |
| 031060000001  | M6    | 6.4       | 10.0 | 2.8 | 1000      |
| 032060000001† | M6    | 6.4       | 18.0 | 2.0 | 500       |
| 003100000001* | M10   | 10.5      | 21.0 | 2.5 | 500       |
| 031080000001  | M8    | 8.4       | 13.0 | 2.8 | 500       |
| 041080000001  | M8    | 8.4       | 15.0 | 1.5 | 500       |
| 033080000001  | M8    | 8.4       | 40.0 | 3.0 | 100       |

\* DIN 125 † DIN 9021

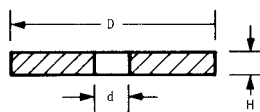
# UNTERLEGSCHLEIBEN, DISTANZSTÜCKE UND BUCHSEN

## Unterlegscheiben - TPG, schwarz

SR 1986

TPG, schwarz

- Maßtoleranzen ähnlich DIN 125 und DIN 9021



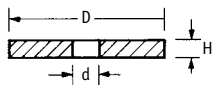
| Artikelnummer | Größe | Maße (mm) |      |     | Stück/VPE |
|---------------|-------|-----------|------|-----|-----------|
|               |       | d         | D    | H   |           |
| 0050042001VR  | M3    | 3.2       | 7.0  | 0.5 | 1000      |
| 0040062001VR  | M3    | 3.2       | 8.0  | 0.8 | 1000      |
| 1020072001VR  | M3    | 3.2       | 9.0  | 0.8 | 1000      |
| 0050152001VR  | M4    | 4.3       | 9.0  | 0.8 | 1000      |
| 0040122001VR  | M4    | 4.3       | 10.0 | 0.8 | 1000      |
| 1020162001VR  | M4    | 4.3       | 12.0 | 1.0 | 1000      |
| 0050232001VR  | M5    | 5.3       | 10.0 | 1.0 | 1000      |
| 0040222001VR  | M5    | 5.3       | 12.0 | 1.0 | 1000      |
| 1020252001VR  | M5    | 5.3       | 15.0 | 1.2 | 1000      |
| 0050322001VR  | M6    | 6.4       | 12.0 | 1.6 | 1000      |
| 0040292001VR  | M6    | 6.4       | 14.0 | 1.2 | 1000      |
| 1020342001VR  | M6    | 6.4       | 18.0 | 1.6 | 1000      |
| 0050412001VR  | M8    | 8.4       | 16.0 | 1.6 | 1000      |
| 0040392001VR  | M8    | 8.4       | 18.0 | 1.5 | 1000      |
| 1020422001VR  | M8    | 8.4       | 24.0 | 2.0 | 1000      |
| 0050472001VR  | M10   | 10.5      | 20.0 | 2.0 | 1000      |
| 0040452001VR  | M10   | 10.5      | 22.0 | 2.0 | 1000      |
| 1020482001VR  | M10   | 10.5      | 30.0 | 2.5 | 1000      |
| 0050552001VR  | M12   | 13.0      | 24.0 | 2.5 | 500       |
| 0040532001VR  | M12   | 13.0      | 27.0 | 2.5 | 500       |
| 1020582001VR  | M12   | 13.0      | 37.0 | 3.0 | 500       |
| 0050612001VR  | M14   | 15.0      | 30.0 | 3.0 | 500       |
| 0050652001VR  | M16   | 17.0      | 30.0 | 3.0 | 250       |
| 1020632001VR  | M16   | 17.0      | 50.0 | 3.0 | 250       |
| 0050702001VR  | M18   | 19.0      | 34.0 | 3.0 | 250       |
| 0051012001VR  | M20   | 21.0      | 37.0 | 3.0 | 250       |

## Unterlegscheiben DIN 125 - PVDF

SR 1907

PVDF, natur

- Maßtoleranzen ähnlich DIN 125

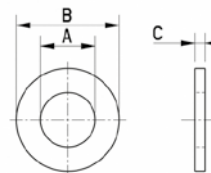


| Artikelnummer | Größe | Maße (mm) |      |     | Stück/VPE |
|---------------|-------|-----------|------|-----|-----------|
|               |       | d         | D    | H   |           |
| 0050150500VR  | M4    | 4.3       | 9.0  | 0.8 | 100       |
| 0050230500VR  | M5    | 5.3       | 10.0 | 1.0 | 100       |
| 0050320500VR  | M6    | 6.4       | 12.0 | 1.6 | 100       |
| 0050410500VR  | M8    | 8.4       | 16.0 | 1.6 | 100       |
| 0050470500VR  | M10   | 10.5      | 20.0 | 2.0 | 100       |
| 0050550500VR  | M12   | 13.0      | 24.0 | 2.5 | 100       |
| 0050650500VR  | M16   | 17.0      | 30.0 | 3.0 | 100       |

## PEEK®-Unterlegscheibe

SR 1929

- Aus PEEK®
- Farbe: hellbraun
- Temperatur für Dauernutzung 180°C
- Beständig gegen die meisten Chemikalien
- Flammwidrig: UL94 V-0



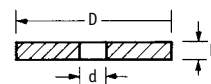
| Artikelnummer | Maße (mm) |      |     | Stück/VPE |
|---------------|-----------|------|-----|-----------|
|               | A         | B    | C   |           |
| 185020070409  | 2.7       | 6.0  | 0.5 | 25        |
| 185030070409  | 3.2       | 7.0  | 0.5 | 25        |
| 185040070409  | 4.3       | 9.0  | 0.8 | 25        |
| 185050070409  | 5.3       | 10.0 | 1.0 | 25        |
| 185060070409  | 6.4       | 12.5 | 1.6 | 25        |
| 185080070409  | 8.4       | 17.0 | 1.6 | 10        |
| 185100070409  | 10.5      | 21.0 | 2.0 | 10        |

## Unterlegscheiben, DIN 125 - PP

SR 1908

Polypropylen, natur

- Maßtoleranzen ähnlich o.g. Norm



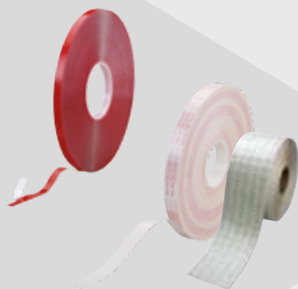
| Artikelnummer | Größe | Maße (mm) |      |     | Stück/VPE |
|---------------|-------|-----------|------|-----|-----------|
|               |       | d         | D    | H   |           |
| 0050150300VR  | M4    | 4.3       | 9.0  | 0.8 | 100       |
| 0050230300VR  | M5    | 5.3       | 10.0 | 1.0 | 100       |
| 0050320300VR  | M6    | 6.4       | 12.0 | 1.6 | 100       |
| 0050410300VR  | M8    | 8.4       | 16.0 | 1.6 | 100       |
| 0050470300VR  | M10   | 10.5      | 20.0 | 2.0 | 100       |
| 0050550300VR  | M12   | 13.0      | 24.0 | 2.5 | 100       |

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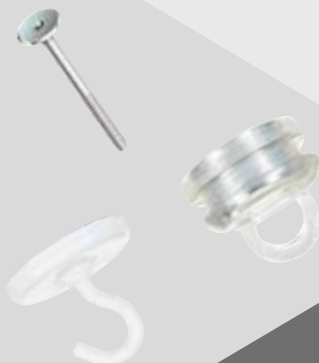
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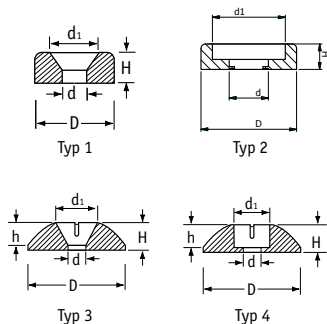
# UNTERLEGSCHLEIBEN, DISTANZSTÜCKE UND BUCHSEN

## Schraubenrosetten

SR 1946

Nylon 6.6, schwarz

- Gute Isolierwirkung
- Hochwertige Oberfläche
- Ausgezeichneter Schutz vor Beschädigungen

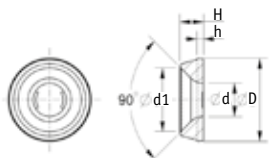


| Artikelnummer |               | Typ | Größe | Maße (mm) |      |      |     |     | Stück/<br>VPE |
|---------------|---------------|-----|-------|-----------|------|------|-----|-----|---------------|
| Natur         | Schwarz       |     |       | d         | d1   | D    | H   | h   |               |
| 007102550001* | 007102559901* | 1   | M2.5  | 2.7       | 5.0  | 6.8  | 2.0 | -   | 500           |
| 007202550001† | 007202559901† | 2   | M2.5  | 2.7       | 5.0  | 6.8  | 2.0 | 1.0 | 500           |
| 007503050001  | 007503059901  | 2   | M3    | 3.2       | 5.5  | 6.5  | 2.0 | 1.1 | 500           |
| 007303050001  | 007303059901  | 3   | M3    | 3.2       | 7.0  | 14.0 | 2.9 | -   | 500           |
| 007103050001* | 007103059901* | 1   | M3    | 3.2       | 6.0  | 8.5  | 2.2 | -   | 500           |
| 007203050001† | 007203059901† | 2   | M3    | 3.2       | 6.0  | 8.5  | 2.2 | 1.2 | 500           |
| 007403050001  | 007403059901  | 4   | M3    | 3.2       | 5.5  | 14.0 | 2.8 | 1.7 | 500           |
| 007504050001  | 007504059901  | 2   | M4    | 4.3       | 7    | 8.5  | 2.2 | 1.2 | 500           |
| 007404050001  | 007404059901  | 4   | M4    | 4.3       | 7.0  | 16.0 | 3.5 | 2.3 | 500           |
| 007104050001* | 007104059901* | 1   | M4    | 4.3       | 8.0  | 10.5 | 2.8 | -   | 1000          |
| 007204050001† | 007204059901† | 2   | M4    | 4.3       | 8.0  | 10.5 | 2.8 | 1.7 | 1000          |
| 007304050001  | 007304059901  | 3   | M4    | 4.3       | 9.0  | 16.0 | 3.5 | -   | 500           |
| 007405050001  | 007405059901  | 4   | M5    | 5.3       | 8.5  | 18.0 | 4.0 | 2.7 | 500           |
| 007105050001* | 007105059901* | 1   | M5    | 5.3       | 10.0 | 12.7 | 3.4 | -   | 500           |
| 007205050001  | 007205059901  | 2   | M5    | 5.3       | 10.0 | 12.7 | 3.4 | 2.2 | 500           |
| 007505050001  | 007505059901  | 2   | M5    | 5.3       | 8.5  | 10.5 | 2.8 | 1.6 | 500           |
| 007305050001  | 007305059901  | 3   | M5    | 5.3       | 11.0 | 18.0 | 3.8 | -   | 500           |
| -             | 1070050001VR  | 3   | M5    | 5.3       | 14.0 | 18.0 | 3.5 | -   | 1000          |
| 007506050001  | 007506059901  | 2   | M6    | 6.4       | 10.0 | 12.7 | 3.4 | 2.1 | 500           |
| 007406050001  | 007406059901  | 4   | M6    | 6.4       | 10.0 | 22.0 | 4.9 | 3.5 | 500           |
| -             | 1075050001VR  | 2   | M6    | 6.4       | 12.0 | 15.0 | 4.0 | 1.3 | 1000          |
| 007206050001† | 007206059901† | 2   | M6    | 6.4       | 12.0 | 15.0 | 4.0 | 2.7 | 500           |
| 007106050001* | 007106059901* | 1   | M6    | 6.4       | 12.0 | 15.0 | 4.0 | -   | 500           |
| 007306050001  | 007306059901  | 3   | M6    | 6.4       | 13.0 | 22.0 | 4.5 | -   | 500           |
| 007508050001  | 007508059901  | 2   | M8    | 8.4       | 13   | 15   | 4.0 | 2.6 | 500           |
| 007108050001* | 007108059901* | 1   | M8    | 8.4       | 16.0 | 20.0 | 5.0 | -   | 500           |
| 007208050001† | 007208059901† | 2   | M8    | 8.4       | 16.0 | 20.0 | 5.0 | 3.5 | 500           |

\* DIN 95, 97, 963, 964, 965, 966, 7963, 7972, 7982, 7983, 7991, 7995, 7997

† DIN 85, 96, 7971, 7981, 7985, 7996

Diese Angabe ist nur eine Orientierungshilfe.



Typ 5

| Artikelnummer |              | Typ | Größe | Maße (mm) |      |      |     |     | Stück/<br>VPE |
|---------------|--------------|-----|-------|-----------|------|------|-----|-----|---------------|
| Natur         | Schwarz      |     |       | d         | d1   | D    | H   | h   |               |
| 007009050001  | 007009059901 | 5   | M3    | 3.2       | 7.0  | 10.2 | 2.8 | 1.0 | 500           |
| 007011050001  | 007011059901 | 5   | M4    | 4.3       | 9.0  | 12.0 | 3.2 | 1.0 | 500           |
| 007013050001  | 007013059901 | 5   | M5    | 5.3       | 11.0 | 14.0 | 3.8 | 1.0 | 500           |
| 007015050001  | 007015059901 | 5   | M6    | 6.4       | 13.0 | 16.0 | 4.5 | 1.2 | 500           |

## Sattelscheiben

SR 1943

Nylon

- Schwarz oder Natur
- Um Rohre gekreuzt montieren zu können



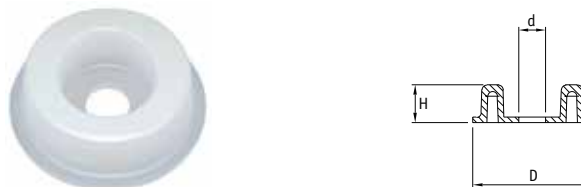
| Artikelnummer |              | Maße (mm) |      |      |     | Rohrdurchm.<br>(mm) | Stück/<br>VPE |
|---------------|--------------|-----------|------|------|-----|---------------------|---------------|
| Natur         | Schwarz      | D         | d    | H    | h1  |                     |               |
| 102011000001  | 102011059901 | 10        | 3.3  | 4.2  | 2.0 | 9-11                | 500           |
| 102013000001  | 102013059901 | 13        | 4.2  | 5.5  | 2.2 | 12-14               | 500           |
| 102014000001  | 102014059901 | 13        | 5.2  | 5.5  | 2.2 | 12-14               | 500           |
| 102016000001  | 102016059901 | 16        | 5.0  | 6.8  | 2.4 | 15-17               | 500           |
| 102019000001  | 102019059901 | 19        | 5.2  | 8.0  | 2.7 | 18-20               | 100           |
| 102020000001  | 102020059901 | 19        | 6.2  | 8.0  | 2.7 | 18-20               | 100           |
| 102022000001  | 102022059901 | 22        | 5.2  | 9.0  | 3.0 | 21-23               | 100           |
| 102023000001  | 102023059901 | 22        | 6.2  | 9.0  | 3.0 | 21-23               | 100           |
| 102024000001  | 102024059901 | 22        | 8.2  | 9.0  | 3.0 | 21-23               | 100           |
| 102025000001  | 102025059901 | 25        | 6.2  | 10.0 | 3.1 | 24-26               | 100           |
| 102026000001  | 102026059901 | 25        | 8.3  | 10.0 | 3.1 | 24-26               | 100           |
| 102028000001  | 102028059901 | 28        | 6.2  | 11.0 | 3.3 | 27-29               | 100           |
| 102029000001  | 102029059901 | 28        | 8.3  | 11.0 | 3.3 | 27-29               | 100           |
| 102032000001  | 102032059901 | 32        | 8.3  | 12.0 | 3.4 | 30-34               | 100           |
| 102033000001  | 102033059901 | 32        | 10.4 | 12.0 | 3.4 | 30-34               | 100           |
| 102055000001  | 102055059901 | 40        | 6.6  | 13.0 | 5.0 | 50-60               | 50            |
| 102056000001  | 102056059901 | 40        | 16.5 | 12.0 | 5.0 | 50-60               | 50            |
| 102057000001  | 102057059901 | 40        | 10.4 | 14.0 | 5.0 | 50-60               | 50            |

## Distanzbuchse

SR 1924

LDPE, natur

- Ideal geeignet, um Kopfteile an Liegen zu befestigen
- Verhindert Beschädigungen durch den Schraubenkopf

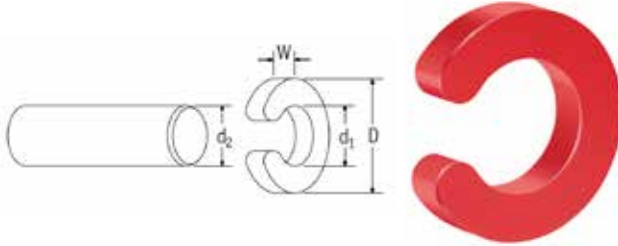


| Artikelnummer | Maße (mm) |     |      | Stück/VPE |
|---------------|-----------|-----|------|-----------|
|               | D         | d   | H    |           |
| 110726        | 36.0      | 8.4 | 11.7 | 2000      |

## Fixierringe

SR 1938

POM, rot



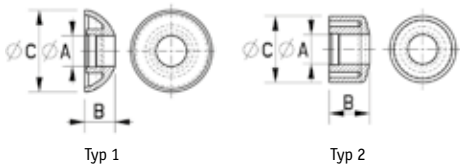
| Artikelnummer | Maße (mm) |      |      |     | Stück/VPE |
|---------------|-----------|------|------|-----|-----------|
|               | D         | d1   | d2   | W   |           |
| 011103000505  | 6.0       | 2.5  | 3.0  | 2.0 | 500       |
| 011104000505  | 7.5       | 3.5  | 4.0  | 2.5 | 500       |
| 011105000505  | 9.0       | 4.5  | 5.0  | 2.5 | 500       |
| 011106000505  | 11.0      | 5.3  | 6.0  | 3.0 | 500       |
| 011108000505  | 13.0      | 7.0  | 8.0  | 3.0 | 500       |
| 011110000505  | 16.0      | 9.0  | 10.0 | 3.5 | 500       |
| 011112000505  | 19.0      | 11.0 | 12.0 | 4.0 | 500       |

## Schnellsicherung

SR 5739

POM

- Farbe Natur
- Hervorragend zum Sicherung Leichtbauten
- Installation und Demontage ohne besondere Werkzeuge
- Kann bei rotierenden Objekten als Gleitscheibe eingesetzt werden
- Sterilisierbar



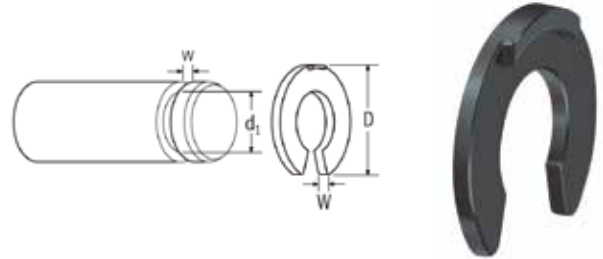
| Artikelnummer | Maße (mm) |     |      | Typ | Stück/VPE |
|---------------|-----------|-----|------|-----|-----------|
|               | A         | B   | C    |     |           |
| 011003000005  | 3         | 5   | 12.5 | 1   | 500       |
| 011004000005  | 4         | 5.5 | 14.5 | 1   | 500       |
| 011005000005  | 5         | 5.5 | 14.5 | 1   | 500       |
| 011006000005  | 6         | 6   | 16   | 1   | 500       |
| 011006100005  | 6         | 8   | 13   | 2   | 500       |
| 011007100005  | 7         | 8   | 13   | 2   | 500       |
| 011008000005  | 8         | 5.5 | 16   | 1   | 500       |
| 011010000005  | 10        | 7.5 | 21   | 1   | 500       |
| 011012000005  | 12        | 7.5 | 21   | 1   | 500       |

## Sicherungsringe

SR 1933

POM, schwarz

- Für Achsen mit eingedrehter Nut
- Mit Lasche zum einfachen Montieren und Demontieren



| Artikelnummer | Maße (mm) |      |     |      | Rohrdurchmesser | Stück/VPE |
|---------------|-----------|------|-----|------|-----------------|-----------|
|               | D         | d1   | W   | w    |                 |           |
| 011202359905  | 6.0       | 2.3  | 1.0 | 1.05 | 3.0 - 4.0       | 1000      |
| 011203259905  | 7.0       | 3.2  | 1.0 | 1.05 | 4.0 - 5.0       | 500       |
| 011204059905  | 9.0       | 4.0  | 1.1 | 1.15 | 5.0 - 7.0       | 500       |
| 011205059905  | 11.0      | 5.0  | 1.1 | 1.15 | 6.0 - 8.0       | 500       |
| 011206059905  | 14.0      | 6.0  | 1.3 | 1.35 | 7.0 - 11.0      | 500       |
| 011207059905  | 14.0      | 7.0  | 1.3 | 1.35 | 8.0 - 11.0      | 500       |
| 011209059905  | 18.5      | 9.0  | 1.4 | 1.5  | 10.0 - 14.0     | 500       |
| 011212059905  | 23.0      | 12.0 | 1.6 | 1.7  | 13.0 - 18.0     | 500       |

## Sicherungsscheibe

SR 1947

Nylon 6, natur

- ichert und hält Bolzen und Muttern in Position



| Artikelnummer | Größe | Maße (mm) |      |     | Stück/VPE |
|---------------|-------|-----------|------|-----|-----------|
|               |       | d         | D    | H   |           |
| 016002000001  | M2    | 2.1       | 5    | 1.7 | 1000      |
| 016002500001  | M2.5  | 2.6       | 6    | 2.2 | 1000      |
| 016003000001  | M3    | 3.1       | 8    | 2.5 | 1000      |
| 016104000001  | M4    | 4.2       | 8    | 2.5 | 1000      |
| 016004000001  | M4    | 4.2       | 10   | 2.8 | 1000      |
| 016105000001  | M5    | 5.2       | 10   | 2.8 | 1000      |
| 016005000001  | M5    | 5.2       | 10.7 | 3   | 1000      |
| 016106000001  | M6    | 6.2       | 10.7 | 3   | 1000      |
| 016006000001  | M6    | 6.2       | 12.7 | 3.8 | 500       |
| 016108000001  | M8    | 8.2       | 14   | 3.7 | 500       |
| 016008000001  | M8    | 8.2       | 16.2 | 4.2 | 500       |
| 016110000001  | M10   | 10.2      | 16   | 4.2 | 500       |
| 016010000001  | M10   | 10.2      | 20   | 5.2 | 500       |
| 016112000001  | M12   | 12.2      | 20   | 5   | 500       |
| 016012000001  | M12   | 12.2      | 24   | 5.2 | 100       |
| 016014000001  | M14   | 14.2      | 26   | 5.6 | 100       |
| 016116000001  | M16   | 16.2      | 25   | 6   | 100       |
| 016016000001  | M16   | 16.2      | 30   | 5.9 | 100       |
| 016020000001  | M20   | 20.3      | 36   | 6.8 | 100       |

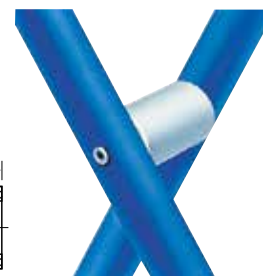
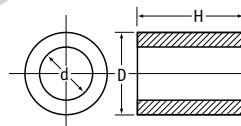
# UNTERLEGSCHLEIBEN, DISTANZSTÜCKE UND BUCHSEN

## Distanzstücke

SR 1941

Nylon 6.6

- Eine kostengünstige Alternative zu Metallteilen
- Stoß- und schwingungsdämpfend
- Für die gängigsten Durchmesser
- Einige Größen sind aus POM\* und Polystyrol (PS)# erhältlich



| Artikelnummer |               | Maße (mm) |     |      | Stück/VPE |
|---------------|---------------|-----------|-----|------|-----------|
| Natur         | Schwarz       | d         | D   | H    |           |
| 005010162301  | -             | 0.7       | 2.2 | 1.6  | 250       |
| 005010762301  | -             | 0.7       | 2.2 | 3.2  | 250       |
| 005011362301  | -             | 0.7       | 2.2 | 4.8  | 250       |
| 005012562301  | -             | 0.7       | 2.2 | 7.9  | 250       |
| 005013762301  | -             | 0.7       | 2.2 | 11.1 | 250       |
| 005014362301  | -             | 0.7       | 2.2 | 12.7 | 250       |
| 005010262301  | -             | 0.8       | 2.2 | 1.6  | 250       |
| 005010862301  | -             | 0.8       | 2.2 | 3.2  | 250       |
| 005011462301  | -             | 0.8       | 2.2 | 4.8  | 250       |
| 005012062301  | -             | 0.8       | 2.2 | 6.4  | 250       |
| 005012662301  | -             | 0.8       | 2.2 | 7.9  | 250       |
| 005013862301  | -             | 0.8       | 2.2 | 11.1 | 250       |
| 005014462301  | -             | 0.8       | 2.2 | 12.7 | 250       |
| 005010362301  | -             | 0.8       | 3.2 | 1.6  | 250       |
| 005010962301  | -             | 0.8       | 3.2 | 3.2  | 250       |
| 005011562301  | -             | 0.8       | 3.2 | 4.8  | 250       |
| 005012162301  | -             | 0.8       | 3.2 | 6.4  | 250       |
| 005012762301  | -             | 0.8       | 3.2 | 7.9  | 250       |
| 005012462301  | -             | 1.6       | 4.8 | 6.4  | 250       |
| 005014262301  | -             | 1.6       | 4.8 | 11.1 | 250       |
| 005150000005* | 005150059905* | 2.2       | 4.0 | 2.0  | 1000      |
| 005150000014# | 005150059914# | 2.2       | 4.0 | 2.0  | 1000      |
| 005150600005* | 005150659905* | 2.2       | 4.0 | 3.0  | 1000      |
| 005150600014# | 005150659914# | 2.2       | 4.0 | 3.0  | 1000      |
| 005151200005* | 005151259905* | 2.2       | 4.0 | 4.0  | 1000      |
| 005151200014# | 005151259914# | 2.2       | 4.0 | 4.0  | 1000      |
| 005151800005* | 005151859905* | 2.2       | 4.0 | 5.0  | 1000      |
| 005151800014# | 005151859914# | 2.2       | 4.0 | 5.0  | 1000      |
| 005152400014# | 005152459914# | 2.2       | 4.0 | 6.0  | 1000      |
| 005153600005* | 005153659905* | 2.2       | 4.0 | 8.0  | 1000      |
| 005153600014# | 005153659914# | 2.2       | 4.0 | 8.0  | 1000      |
| 005154800005* | 005154859905* | 2.2       | 4.0 | 10.0 | 1000      |
| 005154800014# | 005154859914# | 2.2       | 4.0 | 10.0 | 1000      |
| 005156000005* | 005156059905* | 2.2       | 4.0 | 12.0 | 1000      |
| 005156000014# | 005156059914# | 2.2       | 4.0 | 12.0 | 1000      |
| 005157800005* | 005157859905* | 2.2       | 4.0 | 15.0 | 1000      |
| 005157800014# | 005157859914# | 2.2       | 4.0 | 15.0 | 1000      |
| 005159600005* | 005159659905* | 2.2       | 4.0 | 18.0 | 1000      |
| 005159600014# | 005159659914# | 2.2       | 4.0 | 18.0 | 1000      |
| 005160800005* | 005160859905* | 2.2       | 4.0 | 20.0 | 1000      |
| 005160800014# | 005160859914# | 2.2       | 4.0 | 20.0 | 1000      |
| 005163800005* | 005163859905* | 2.2       | 4.0 | 25.0 | 1000      |
| 005163800014# | 005163859914# | 2.2       | 4.0 | 25.0 | 1000      |
| 005166800005* | 005166859905* | 2.2       | 4.0 | 30.0 | 1000      |
| 005166800014# | 005166859914# | 2.2       | 4.0 | 30.0 | 1000      |
| 1113430000VR  | -             | 2.5       | 5.0 | 8.0  | 1000      |
| 005200000005* | 005200059905* | 2.6       | 4.0 | 2.0  | 1000      |
| 005203000005* | 005203059905* | 2.6       | 4.0 | 3.0  | 1000      |
| 005206000005* | 005206059905* | 2.6       | 4.0 | 5.0  | 1000      |
| 005209000005* | 005209059905* | 2.6       | 4.0 | 7.5  | 1000      |
| 005212000005* | 005212059905* | 2.6       | 4.0 | 10.0 | 1000      |
| 005215000005* | 005215059905* | 2.6       | 4.0 | 15.0 | 1000      |
| 005218000005* | 005218059905* | 2.6       | 4.0 | 20.0 | 1000      |
| 005221000005* | 005221059905* | 2.6       | 4.0 | 25.0 | 1000      |
| 005224000005* | 005224059905* | 2.6       | 4.0 | 30.0 | 1000      |
| 005237000005* | 005237059905* | 2.6       | 5.0 | 2.0  | 1000      |

| Artikelnummer |               | Maße (mm) |     |      | Stück/VPE |
|---------------|---------------|-----------|-----|------|-----------|
| Natur         | Schwarz       | d         | D   | H    |           |
| 005240000005* | 005240059905* | 2.6       | 5.0 | 3.0  | 1000      |
| 005243000005* | 005243059905* | 2.6       | 5.0 | 5.0  | 1000      |
| 005246000005* | 005246059905* | 2.6       | 5.0 | 7.5  | 1000      |
| 005249000005* | 005249059905* | 2.6       | 5.0 | 10.0 | 1000      |
| 005252000005* | 005252059905* | 2.6       | 5.0 | 15.0 | 1000      |
| 005255000005* | 005255059905* | 2.6       | 5.0 | 20.0 | 1000      |
| 005258000005* | 005258059905* | 2.6       | 5.0 | 25.0 | 1000      |
| 005261000005* | 005261059905* | 2.6       | 5.0 | 30.0 | 1000      |
| 1110760000VR  | -             | 3.1       | 6.0 | 5.0  | 1000      |
| 005274000005* | 005274059905* | 3.1       | 5.0 | 2.0  | 1000      |
| 005277000005* | 005277059905* | 3.1       | 5.0 | 3.0  | 1000      |
| 005280000005* | 005280059905* | 3.1       | 5.0 | 5.0  | 1000      |
| 005283000005* | 005283059905* | 3.1       | 5.0 | 7.5  | 1000      |
| 005286000005* | 005286059905* | 3.1       | 5.0 | 10.0 | 1000      |
| 005289000005* | 005289059905* | 3.1       | 5.0 | 15.0 | 1000      |
| 005292000005* | 005292059905* | 3.1       | 5.0 | 20.0 | 1000      |
| 005295000005* | 005295059905* | 3.1       | 5.0 | 25.0 | 1000      |
| 005298000005* | 005298059905* | 3.1       | 5.0 | 30.0 | 1000      |
| 005311000002  | 005311059902  | 3.1       | 6.0 | 2.0  | 1000      |
| 005314000002  | 005314059902  | 3.1       | 6.0 | 3.0  | 1000      |
| 005315500002  | 005315559902  | 3.1       | 6.0 | 4.0  | 1000      |
| 005317000002  | 005317059902  | 3.1       | 6.0 | 5.0  | 1000      |
| 005318200002  | 005318259902  | 3.1       | 6.0 | 6.0  | 1000      |
| 005320000002  | 005320059902  | 3.1       | 6.0 | 7.5  | 1000      |
| 005320600002  | 005320659902  | 3.1       | 6.0 | 8.0  | 1000      |
| 005323000002  | 005323059902  | 3.1       | 6.0 | 10.0 | 1000      |
| 005324200002  | 005324259902  | 3.1       | 6.0 | 12.0 | 1000      |
| 005326000002  | 005326059902  | 3.1       | 6.0 | 15.0 | 1000      |
| 005327800002  | 005327859902  | 3.1       | 6.0 | 18.0 | 500       |
| 005329000002  | 005329059902  | 3.1       | 6.0 | 20.0 | 500       |
| 005332000002  | 005332059902  | 3.1       | 6.0 | 25.0 | 500       |
| 005335000002  | 005335059902  | 3.1       | 6.0 | 30.0 | 500       |
| 005336500002  | -             | 3.1       | 6.0 | 35.0 | 500       |
| 005338000002  | 005338059902  | 3.1       | 6.0 | 40.0 | 500       |
| 1253922       | 1258025       | 3.1       | 8.0 | 3.0  | 500       |
| 1253924       | 005351059902  | 3.1       | 8.0 | 5.0  | 500       |
| 1253924       | 1253925       | 3.1       | 8.0 | 7.5  | 500       |
| 1253927       | 1253926       | 3.1       | 8.0 | 10.0 | 500       |
| 005360000002  | 005360059902  | 3.1       | 8.0 | 15.0 | 500       |
| 005363000002  | 005363059902  | 3.1       | 8.0 | 20.0 | 500       |
| 1253928       | 005366059902  | 3.1       | 8.0 | 25.0 | 500       |
| 1283929       | 005369059902  | 3.1       | 8.0 | 30.0 | 500       |
| 005371200002  | 005371259902  | 3.4       | 6.0 | 2.0  | 500       |
| 005371200014# | 005371259914# | 3.4       | 6.0 | 2.0  | 500       |
| 005371400002  | 005371459902  | 3.4       | 6.0 | 3.0  | 500       |
| 005371400014# | 005371459914# | 3.4       | 6.0 | 3.0  | 500       |
| 005371600002  | 005371659902  | 3.4       | 6.0 | 4.0  | 500       |
| 005371600014# | 005371659914# | 3.4       | 6.0 | 4.0  | 500       |
| 005371800002  | 005371859902  | 3.4       | 6.0 | 5.0  | 500       |
| 005371800014# | 005371859914# | 3.4       | 6.0 | 5.0  | 500       |
| 005372000002  | 005372059902  | 3.4       | 6.0 | 6.0  | 500       |
| 005372000014# | 005372059914# | 3.4       | 6.0 | 6.0  | 500       |
| 005372400002  | 005372459902  | 3.4       | 6.0 | 8.0  | 500       |
| 005375800014# | 005375859914# | 3.4       | 6.0 | 25.0 | 500       |

FORTSETZUNG AUF DER NÄCHSTEN SEITE

# UNTERLEGSCHEBEN, DISTANZSTÜCKE UND BUCHSEN

| Artikelnummer |               | Maße (mm) |     |      | Stück/VPE |
|---------------|---------------|-----------|-----|------|-----------|
| Natur         | Schwarz       | d         | D   | H    |           |
| 005372800002  | 005372859902  | 3.4       | 6.0 | 10.0 | 500       |
| 005372800014# | 005372859914# | 3.4       | 6.0 | 10.0 | 500       |
| 005373200002  | 005373259902  | 3.4       | 6.0 | 12.0 | 500       |
| 005373200014# | 005373259914# | 3.4       | 6.0 | 12.0 | 500       |
| 005373800002  | 005373859902  | 3.4       | 6.0 | 15.0 | 500       |
| 005373800014# | 005373859914# | 3.4       | 6.0 | 15.0 | 500       |
| 005374400002  | 005374459902  | 3.4       | 6.0 | 18.0 | 500       |
| 005374400014# | 005374459914# | 3.4       | 6.0 | 18.0 | 500       |
| 005374800002  | 005374859902  | 3.4       | 6.0 | 20.0 | 500       |
| 005374800014# | 005374859914# | 3.4       | 6.0 | 20.0 | 500       |
| 005375800002  | -             | 3.4       | 6.0 | 25.0 | 500       |
| 005375800014# | 005375859914# | 3.4       | 6.0 | 25.0 | 500       |
| 005376800002  | 005376859902  | 3.4       | 6.0 | 30.0 | 250       |
| 005376800014# | 005376859914# | 3.4       | 6.0 | 30.0 | 250       |
| 005377800002  | 005377859902  | 3.4       | 6.0 | 35.0 | 250       |
| 005377800014# | 005377859914# | 3.4       | 6.0 | 35.0 | 250       |
| 005378800002  | 005378859902  | 3.4       | 6.0 | 40.0 | 250       |
| 005378800014# | 005378859914# | 3.4       | 6.0 | 40.0 | 250       |
| 1110390000VR  | -             | 3.5       | 6.0 | 5.0  | 1000      |
| -             | 005382059902  | 3.6       | 6.0 | 2.0  | 500       |
| 005385000002  | 005385059902  | 3.6       | 6.0 | 3.0  | 500       |
| 005386500002  | 005386559902  | 3.6       | 6.0 | 4.0  | 500       |
| 005388000002  | 005388059902  | 3.6       | 6.0 | 5.0  | 500       |
| 005389200002  | 005389259902  | 3.6       | 6.0 | 6.0  | 500       |
| 005391000002  | 005391059902  | 3.6       | 6.0 | 7.5  | 500       |
| 005209000005* | 005209059905* | 2.6       | 4.0 | 7.5  | 1000      |
| 005391600002  | 005391659902  | 3.6       | 6.0 | 8.0  | 500       |
| 1111700000VR  | 005394059902  | 3.6       | 6.0 | 10.0 | 500       |
| 005395200002  | 005395259902  | 3.6       | 6.0 | 12.0 | 500       |
| 1110950000VR  | 005397059902  | 3.6       | 6.0 | 15.0 | 500       |
| 005398800002  | -             | 3.6       | 6.0 | 18.0 | 500       |
| 1110960000VR  | 005400059902  | 3.6       | 6.0 | 20.0 | 500       |
| 005403000002  | 005403059902  | 3.6       | 6.0 | 25.0 | 500       |
| 1110980000VR  | 005406059902  | 3.6       | 6.0 | 30.0 | 500       |
| 1116000000VR  | -             | 4.0       | 8.0 | 8.0  | 100       |
| 1115950000VR  | -             | 4.15      | 8.0 | 8.0  | 100       |
| 005419000002  | 005419059902  | 4.2       | 8.0 | 3.0  | 500       |
| 005419000014# | 005419059914# | 4.2       | 8.0 | 3.0  | 500       |
| 1114160000VR  | 005420559902  | 4.2       | 8.0 | 4.0  | 500       |
| 005420500014# | 005420559914# | 4.2       | 8.0 | 4.0  | 500       |
| 005422000002  | 005422059902  | 4.2       | 8.0 | 5.0  | 500       |
| 005422000014# | 005422059914# | 4.2       | 8.0 | 5.0  | 500       |
| 005423200002  | 005423259902  | 4.2       | 8.0 | 6.0  | 500       |
| 005423200014# | 005423259914# | 4.2       | 8.0 | 6.0  | 500       |
| 1114170000VR  | -             | 4.2       | 8.0 | 7.0  | 1000      |
| 1110580000VR  | 005425059902  | 4.2       | 8.0 | 7.5  | 500       |
| 1111020000VR  | 005425659902  | 4.2       | 8.0 | 8.0  | 500       |
| 005425600014# | 005425659914# | 4.2       | 8.0 | 8.0  | 500       |
| 1114180000VR  | -             | 4.2       | 8.0 | 9.0  | 1000      |
| 1110590000VR  | 005428059902  | 4.2       | 8.0 | 10.0 | 500       |
| 005428000014# | 005428059914# | 4.2       | 8.0 | 10.0 | 500       |
| 1114190000VR  | -             | 4.2       | 8.0 | 11.0 | 1000      |
| 005429200002  | 005429259902  | 4.2       | 8.0 | 12.0 | 500       |
| 005429200014# | 005429259914# | 4.2       | 8.0 | 12.0 | 500       |
| 1114200000VR  | -             | 4.2       | 8.0 | 13.0 | 1000      |
| 1114210000VR  | -             | 4.2       | 8.0 | 14.0 | 1000      |
| 1110610000VR  | 005431059902  | 4.2       | 8.0 | 15.0 | 500       |
| 005431000014# | 005431059914# | 4.2       | 8.0 | 15.0 | 500       |
| 1116510000VR  | -             | 4.2       | 8.0 | 16.0 | 1000      |
| 1116520000VR  | -             | 4.2       | 8.0 | 17.0 | 1000      |
| 1116530000VR  | 005432859902  | 4.2       | 8.0 | 18.0 | 500       |
| 005432800014# | 005432859914# | 4.2       | 8.0 | 18.0 | 500       |
| 1116540000VR  | -             | 4.2       | 8.0 | 19.0 | 1000      |
| 1110620000VR  | 005434059902  | 4.2       | 8.0 | 20.0 | 500       |
| 005434000014# | 005434059914# | 4.2       | 8.0 | 20.0 | 500       |
| 1110630000VR  | 005437059902  | 4.2       | 8.0 | 25.0 | 250       |
| 005437000014# | 005437059914# | 4.2       | 8.0 | 25.0 | 500       |

\*POM #PS

| Artikelnummer |               | Maße (mm) |      |      | Stück/VPE |
|---------------|---------------|-----------|------|------|-----------|
| Natur         | Schwarz       | d         | D    | H    |           |
| 1110640000VR  | 005440059902  | 4.2       | 8.0  | 30.0 | 250       |
| 005440000014# | 005440059914# | 4.2       | 8.0  | 30.0 | 500       |
| 005441000002  | 005441059902  | 4.2       | 8.0  | 35.0 | 250       |
| 005442000002  | 005442059902  | 4.2       | 8.0  | 40.0 | 250       |
| 005412500002  | 005412559902  | 4.7       | 6.2  | 5.0  | 500       |
| 005453000002  | 005453059902  | 5.2       | 10.0 | 3.0  | 500       |
| 005453000014# | 005453059914# | 5.2       | 10.0 | 3.0  | 500       |
| 1114390000VR  | 005454559902  | 5.2       | 10.0 | 4.0  | 500       |
| 005454500014# | 005454559914# | 5.2       | 10.0 | 4.0  | 500       |
| 005456000002  | 005456059902  | 5.2       | 10.0 | 5.0  | 500       |
| 005456000014# | 005456059914# | 5.2       | 10.0 | 5.0  | 500       |
| 1111200000VR  | 005457259902  | 5.2       | 10.0 | 6.0  | 500       |
| 005457200014# | 005457259914# | 5.2       | 10.0 | 6.0  | 500       |
| 1114400000VR  | -             | 5.2       | 10.0 | 7.0  | 1000      |
| 1110670000VR  | 005459059902  | 5.2       | 10.0 | 7.5  | 250       |
| 1111210000VR  | 005459659902  | 5.2       | 10.0 | 8.0  | 250       |
| 005459600014# | 005459659914# | 5.2       | 10.0 | 8.0  | 500       |
| 1114410000VR  | -             | 5.2       | 10.0 | 9.0  | 1000      |
| 1110680000VR  | 005462059902  | 5.2       | 10.0 | 10.0 | 250       |
| 005462000014# | 005462059914# | 5.2       | 10.0 | 10.0 | 500       |
| 1114420000VR  | -             | 5.2       | 10.0 | 11.0 | 1000      |
| 1111230000VR  | 005463259902  | 5.2       | 10.0 | 12.0 | 250       |
| 005463200014# | 005463259914# | 5.2       | 10.0 | 12.0 | 500       |
| 1114430000VR  | -             | 5.2       | 10.0 | 13.0 | 1000      |
| 1114440000VR  | -             | 5.2       | 10.0 | 14.0 | 1000      |
| 1110690000VR  | 005465059902  | 5.2       | 10.0 | 15.0 | 250       |
| 005465000014# | 005465059914# | 5.2       | 10.0 | 15.0 | 500       |
| 1114450000VR  | -             | 5.2       | 10.0 | 16.0 | 1000      |
| 1114460000VR  | -             | 5.2       | 10.0 | 17.0 | 1000      |
| 1114480000VR  | 005466859902  | 5.2       | 10.0 | 18.0 | 250       |
| 005466800014# | 005466859914# | 5.2       | 10.0 | 18.0 | 500       |
| 1114490000VR  | -             | 5.2       | 10.0 | 19.0 | 1000      |
| 005468000002  | 005468059902  | 5.2       | 10.0 | 20.0 | 250       |
| 005468000014# | 005468059914# | 5.2       | 10.0 | 20.0 | 500       |
| 005471000002  | 005471059902  | 5.2       | 10.0 | 25.0 | 250       |
| 005471000014# | 005471059914# | 5.2       | 10.0 | 25.0 | 500       |
| 1110720000VR  | 005474059902  | 5.2       | 10.0 | 30.0 | 250       |
| 005474000014# | 005474059914# | 5.2       | 10.0 | 30.0 | 500       |
| 005475000002  | 005475059902  | 5.2       | 10.0 | 35.0 | 250       |
| 005476000002  | 005476059902  | 5.2       | 10.0 | 40.0 | 250       |
| 005486500002  | 005486559902  | 5.2       | 18.0 | 8.0  | 250       |
| 1140540000VR  | -             | 6.1       | 8.0  | 4.2  | 1000      |
| 1140550000VR  | -             | 6.1       | 8.0  | 6.0  | 1000      |
| 005487000002  | 005487059902  | 6.2       | 10.0 | 3.0  | 500       |
| 1114500000VR  | -             | 6.2       | 10.0 | 4.0  | 1000      |
| 005490000002  | 005490059902  | 6.2       | 10.0 | 5.0  | 500       |
| 1114510000VR  | -             | 6.2       | 10.0 | 6.0  | 1000      |
| 1114520000VR  | -             | 6.2       | 10.0 | 7.0  | 1000      |
| 005493000002  | 005493059902  | 6.2       | 10.0 | 7.5  | 250       |
| 1114530000VR  | -             | 6.2       | 10.0 | 8.0  | 1000      |
| 1114540000VR  | -             | 6.2       | 10.0 | 9.0  | 1000      |
| 005496000002  | 005496059902  | 6.2       | 10.0 | 10.0 | 250       |
| 1114550000VR  | -             | 6.2       | 10.0 | 11.0 | 1000      |
| 1114560000VR  | -             | 6.2       | 10.0 | 12.0 | 1000      |
| 1114570000VR  | -             | 6.2       | 10.0 | 13.0 | 1000      |
| 1114580000VR  | -             | 6.2       | 10.0 | 14.0 | 1000      |
| 1111380000VR  | 005499059902  | 6.2       | 10.0 | 15.0 | 250       |
| 1114590000VR  | -             | 6.2       | 10.0 | 16.0 | 1000      |
| 1114600000VR  | -             | 6.2       | 10.0 | 17.0 | 1000      |
| 1114610000VR  | -             | 6.2       | 10.0 | 18.0 | 1000      |
| 1114620000VR  | -             | 6.2       | 10.0 | 19.0 | 1000      |
| 005502000002  | 005502059902  | 6.2       | 10.0 | 20.0 | 250       |
| 005505000002  | 005505059902  | 6.2       | 10.0 | 25.0 | 100       |
| 005508000002  | 005508059902  | 6.2       | 10.0 | 30.0 | 250       |
| 005509000002  | 005509059902  | 6.2       | 10.0 | 35.0 | 250       |
| 005511000002  | 005511059902  | 6.2       | 10.0 | 40.0 | 250       |
| 1115890000VR  | -             | 6.2       | 12.0 | 25.0 | 1000      |

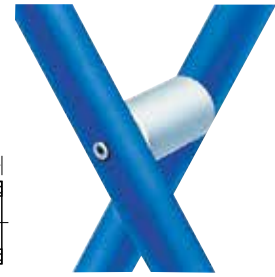
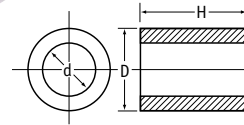
FORTSETZUNG AUF DER NÄCHSTEN SEITE

# UNTERLEGSCHLEIBEN, DISTANZSTÜCKE UND BUCHSEN

## Distanzstücke FORTSETZUNG

SR 1941

Nylon 6.6



| Artikelnummer |              | Maße (mm) |      |      | Stück/VPE |
|---------------|--------------|-----------|------|------|-----------|
| Natur         | Schwarz      | d         | D    | H    |           |
| 005521000002  | 005521059902 | 6.3       | 15.0 | 3.0  | 250       |
| 005524000002  | 005524059902 | 6.3       | 15.0 | 5.0  | 250       |
| 1111440000VR  | 005527059902 | 6.3       | 15.0 | 7.5  | 250       |
| 1111450000VR  | 005530059902 | 6.3       | 15.0 | 10.0 | 250       |
| 1111460000VR  | 005533059902 | 6.3       | 15.0 | 15.0 | 250       |
| 1110910000VR  | 005536059902 | 6.3       | 15.0 | 20.0 | 100       |
| 1111480000VR  | 005539059902 | 6.3       | 15.0 | 25.0 | 100       |
| 005542000002  | 005542059902 | 6.3       | 15.0 | 30.0 | 100       |
| 005543000002  | 005543059902 | 6.3       | 15.0 | 35.0 | 100       |
| 005544000002  | 005544059902 | 6.3       | 15.0 | 40.0 | 100       |
| 005555000002  | 005555059902 | 8.2       | 12.0 | 3.0  | 500       |
| 005558000002  | 005558059902 | 8.2       | 12.0 | 5.0  | 500       |
| 1111600000VR  | 005561059902 | 8.2       | 12.0 | 7.5  | 500       |
| 1110890000VR  | 005564059902 | 8.2       | 12.0 | 10.0 | 250       |
| 1111620000VR  | 005567059902 | 8.2       | 12.0 | 15.0 | 250       |
| 1111630000VR  | 005570059902 | 8.2       | 12.0 | 20.0 | 250       |
| 1111640000VR  | 005573059902 | 8.2       | 12.0 | 25.0 | 250       |
| 1111650000VR  | 005576059902 | 8.2       | 12.0 | 30.0 | 100       |
| 005578000002  | 005578059902 | 8.2       | 12.0 | 35.0 | 100       |
| 005580000002  | 005580059902 | 8.2       | 12.0 | 40.0 | 100       |
| 005587000002  | 005587059902 | 8.2       | 15.0 | 4.5  | 250       |
| 1001440000VR  | -            | 8.2       | 16.0 | 4.0  | 1000      |
| 1110860000VR  | -            | 8.2       | 16.0 | 5.0  | 1000      |
| 1110920000VR  | -            | 8.2       | 16.0 | 6.0  | 500       |
| 1115030000VR  | -            | 8.2       | 16.0 | 7.0  | 1000      |
| 1111530000VR  | -            | 8.2       | 16.0 | 8.0  | 1000      |
| 1115040000VR  | -            | 8.2       | 16.0 | 9.0  | 1000      |
| 1111540000VR  | -            | 8.2       | 16.0 | 10.0 | 1000      |
| 1115050000VR  | -            | 8.2       | 16.0 | 11.0 | 1000      |
| 1111550000VR  | -            | 8.2       | 16.0 | 12.0 | 1000      |
| 1115060000VR  | -            | 8.2       | 16.0 | 13.0 | 1000      |
| 1115070000VR  | -            | 8.2       | 16.0 | 14.0 | 1000      |
| 1111560000VR  | -            | 8.2       | 16.0 | 15.0 | 1000      |
| 1115080000VR  | -            | 8.2       | 16.0 | 16.0 | 1000      |
| 1115090000VR  | -            | 8.2       | 16.0 | 17.0 | 1000      |
| 1115100000VR  | -            | 8.2       | 16.0 | 18.0 | 1000      |
| 1115110000VR  | -            | 8.2       | 16.0 | 19.0 | 1000      |
| 1111570000VR  | -            | 8.2       | 16.0 | 20.0 | 1000      |
| 1117880000VR  | -            | 8.2       | 16.0 | 21.0 | 1000      |
| 1117890000VR  | -            | 8.2       | 16.0 | 22.0 | 1000      |
| 1117900000VR  | -            | 8.2       | 16.0 | 23.0 | 1000      |
| 1117910000VR  | -            | 8.2       | 16.0 | 24.0 | 1000      |
| 1117920000VR  | -            | 8.2       | 16.0 | 25.0 | 1000      |
| 1117930000VR  | -            | 8.2       | 16.0 | 26.0 | 1000      |
| 1117940000VR  | -            | 8.2       | 16.0 | 27.0 | 1000      |
| 1117950000VR  | -            | 8.2       | 16.0 | 28.0 | 1000      |
| 1117960000VR  | -            | 8.2       | 16.0 | 29.0 | 1000      |
| 1117970000VR  | -            | 8.2       | 16.0 | 30.0 | 1000      |
| 005589000002  | 005589059902 | 8.2       | 18.0 | 3.0  | 100       |
| 005592000002  | 005592059902 | 8.2       | 18.0 | 5.0  | 100       |
| 005595000002  | 005595059902 | 8.2       | 18.0 | 7.5  | 100       |
| 005598000002  | 005598059902 | 8.2       | 18.0 | 10.0 | 100       |
| 005601000002  | 005601059902 | 8.2       | 18.0 | 15.0 | 100       |
| 005604000002  | 005604059902 | 8.2       | 18.0 | 20.0 | 100       |

| Artikelnummer |              | Maße (mm) |      |      | Stück/VPE |
|---------------|--------------|-----------|------|------|-----------|
| Natur         | Schwarz      | d         | D    | H    |           |
| 005607000002  | 005607059902 | 8.2       | 18.0 | 25.0 | 100       |
| 005610000002  | 005610059902 | 8.2       | 18.0 | 30.0 | 100       |
| 005610500002  | 005610559902 | 8.2       | 18.0 | 35.0 | 500       |
| 005611000002  | 005611059902 | 8.2       | 18.0 | 40.0 | 500       |
| 1116100000VR  | -            | 10.0      | 12.0 | 6.0  | 1000      |
| 1140740000VR  | -            | 10.0      | 21.7 | 17.0 | 1000      |
| 1001560000VR  | -            | 10.2      | 20.0 | 4.0  | 1000      |
| 1115940000VR  | -            | 10.2      | 20.0 | 4.5  | 1000      |
| 1111750000VR  | -            | 10.2      | 20.0 | 5.0  | 1000      |
| 1111760000VR  | -            | 10.2      | 20.0 | 6.0  | 1000      |
| 1115200000VR  | -            | 10.2      | 20.0 | 7.0  | 1000      |
| 1115210000VR  | -            | 10.2      | 20.0 | 8.0  | 1000      |
| 1115220000VR  | -            | 10.2      | 20.0 | 9.0  | 1000      |
| 1111780000VR  | -            | 10.2      | 20.0 | 10.0 | 1000      |
| 1115230000VR  | -            | 10.2      | 20.0 | 11.0 | 1000      |
| 1111790000VR  | -            | 10.2      | 20.0 | 12.0 | 1000      |
| 1115240000VR  | -            | 10.2      | 20.0 | 13.0 | 1000      |
| 1115250000VR  | -            | 10.2      | 20.0 | 14.0 | 1000      |
| 1111800000VR  | -            | 10.2      | 20.0 | 15.0 | 1000      |
| 1115260000VR  | -            | 10.2      | 20.0 | 16.0 | 1000      |
| 1115270000VR  | -            | 10.2      | 20.0 | 17.0 | 1000      |
| 1115280000VR  | -            | 10.2      | 20.0 | 18.0 | 1000      |
| 1115290000VR  | -            | 10.2      | 20.0 | 19.0 | 1000      |
| 1111810000VR  | -            | 10.2      | 20.0 | 20.0 | 1000      |
| 1118440000VR  | -            | 10.2      | 20.0 | 21.0 | 1000      |
| 1118450000VR  | -            | 10.2      | 20.0 | 22.0 | 1000      |
| 1118460000VR  | -            | 10.2      | 20.0 | 23.0 | 1000      |
| 1118470000VR  | -            | 10.2      | 20.0 | 24.0 | 1000      |
| 1118480000VR  | -            | 10.2      | 20.0 | 25.0 | 500       |
| 1118490000VR  | -            | 10.2      | 20.0 | 26.0 | 1000      |
| 1118500000VR  | -            | 10.2      | 20.0 | 27.0 | 1000      |
| 1118510000VR  | -            | 10.2      | 20.0 | 28.0 | 1000      |
| 1118520000VR  | -            | 10.2      | 20.0 | 29.0 | 1000      |
| 1118530000VR  | -            | 10.2      | 20.0 | 30.0 | 1000      |
| 005623000002  | 005623059902 | 10.3      | 15.0 | 3.0  | 250       |
| 005626000002  | 005626059902 | 10.3      | 15.0 | 5.0  | 250       |
| 005629000002  | 005629059902 | 10.3      | 15.0 | 7.5  | 250       |
| 005632000002  | 005632059902 | 10.3      | 15.0 | 10.0 | 250       |
| 005635000002  | 005635059902 | 10.3      | 15.0 | 15.0 | 250       |
| 005638000002  | 005638059902 | 10.3      | 15.0 | 20.0 | 100       |
| 005641000002  | 005641059902 | 10.3      | 15.0 | 25.0 | 100       |
| 005644000002  | 005644059902 | 10.3      | 15.0 | 30.0 | 100       |
| 005645000002  | 005645059902 | 10.3      | 15.0 | 35.0 | 100       |
| 005645200002  | 005645259902 | 10.3      | 15.0 | 36.5 | 100       |
| 005646000002  | 005646059902 | 10.3      | 15.0 | 40.0 | 100       |
| 005660000002  | 005660059902 | 10.6      | 22.0 | 5.0  | 100       |
| 005663000002  | 005663059902 | 10.6      | 22.0 | 10.0 | 50        |
| 005669000002  | 005669059902 | 10.6      | 22.0 | 15.0 | 50        |
| 005671000002  | 005671059902 | 10.6      | 22.0 | 20.0 | 50        |
| 005675000002  | 005675059902 | 10.6      | 22.0 | 25.0 | 50        |
| 005678000002  | 005678059902 | 10.6      | 22.0 | 30.0 | 50        |
| 005681000002  | 005681059902 | 10.6      | 22.0 | 35.0 | 50        |
| 005684000002  | 005684059902 | 10.6      | 22.0 | 40.0 | 50        |
| 005687000002  | 005687059902 | 10.6      | 22.0 | 45.0 | 50        |

\*POM #PS

FORTSETZUNG AUF DER NÄCHSTEN SEITE

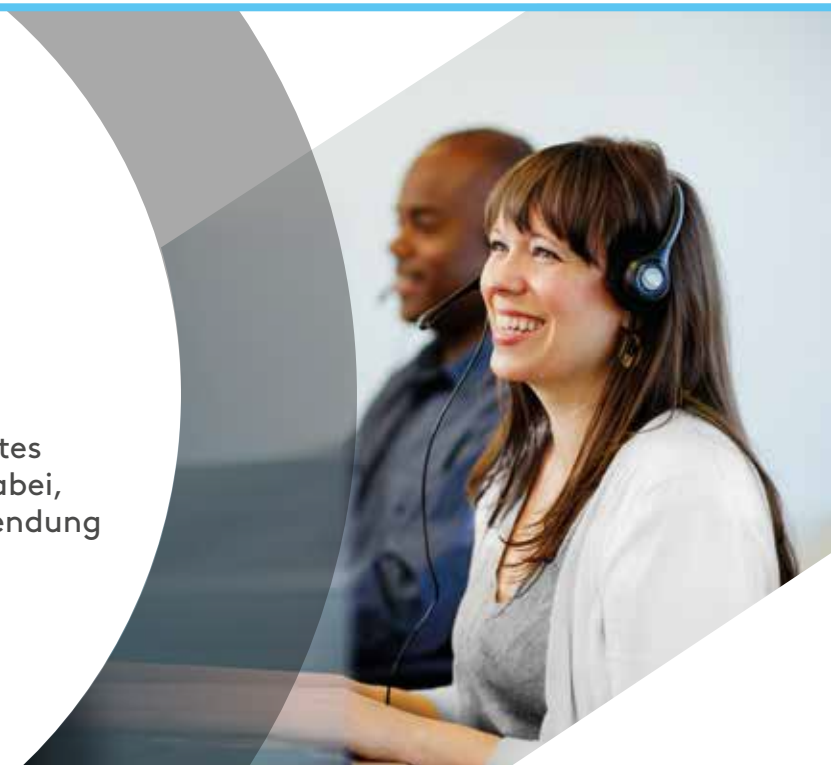
| Artikelnummer |              | Maße (mm) |      |      | Stück/VPE |
|---------------|--------------|-----------|------|------|-----------|
| Natur         | Schwarz      | d         | D    | H    |           |
| 005690000002  | 005690059902 | 10.6      | 22.0 | 50.0 | 25        |
| 005690500002  | 005690559902 | 10.6      | 22.0 | 55.0 | 25        |
| 005691000002  | 005691059902 | 10.6      | 22.0 | 60.0 | 25        |
| 005691500002  | 005691559902 | 10.6      | 22.0 | 65.0 | 25        |
| 005692000002  | 005692059902 | 10.6      | 22.0 | 70.0 | 25        |
| 005692500002  | 005692559902 | 10.6      | 22.0 | 75.0 | 25        |
| 005693000002  | 005693059902 | 10.6      | 22.0 | 80.0 | 25        |
| 005700500002  | 005700559902 | 11.2      | 18.0 | 6.0  | 100       |
| 1343705       | -            | 12.0      | 23.0 | 4.0  | 1000      |
| 1115870000VR  | -            | 12.0      | 30.0 | 7.0  | 1000      |
| 005740000002  | 005740059902 | 12.6      | 25.0 | 5.0  | 100       |
| 005743000002  | 005743059902 | 12.6      | 25.0 | 10.0 | 50        |
| 005746000002  | 005746059902 | 12.6      | 25.0 | 15.0 | 50        |
| 005749000002  | 005749059902 | 12.6      | 25.0 | 20.0 | 50        |
| 005752000002  | 005752059902 | 12.6      | 25.0 | 25.0 | 50        |
| 005755000002  | 005755059902 | 12.6      | 25.0 | 30.0 | 50        |
| 005758000002  | 005758059902 | 12.6      | 25.0 | 35.0 | 50        |
| 005761000002  | 005761059902 | 12.6      | 25.0 | 40.0 | 50        |
| 005764000002  | 005764059902 | 12.6      | 25.0 | 45.0 | 50        |
| 005767000002  | 005767059902 | 12.6      | 25.0 | 50.0 | 25        |
| 005768000002  | 005768059902 | 12.6      | 25.0 | 55.0 | 25        |
| 005769000002  | 005769059902 | 12.6      | 25.0 | 60.0 | 25        |
| 005770000002  | 005770059902 | 12.6      | 25.0 | 65.0 | 25        |
| 005771000002  | 005771059902 | 12.6      | 25.0 | 70.0 | 25        |
| 005772000002  | -            | 12.6      | 25.0 | 75.0 | 25        |
| 005773000002  | 005773059902 | 12.6      | 25.0 | 80.0 | 25        |
| 005703000002  | 005703059902 | 12.8      | 18.0 | 3.0  | 100       |
| 005706000002  | 005706059902 | 12.8      | 18.0 | 5.0  | 100       |
| 1112020000VR  | 005709059902 | 12.8      | 18.0 | 7.5  | 100       |

| Artikelnummer |              | Maße (mm) |      |      | Stück/VPE |
|---------------|--------------|-----------|------|------|-----------|
| Natur         | Schwarz      | d         | D    | H    |           |
| 1112030000VR  | 005712059902 | 12.8      | 18.0 | 10.0 | 100       |
| 1112040000VR  | 005715059902 | 12.8      | 18.0 | 15.0 | 100       |
| 1112050000VR  | 005718059902 | 12.8      | 18.0 | 20.0 | 100       |
| 005721000002  | 005721059902 | 12.8      | 18.0 | 25.0 | 100       |
| 1112070000VR  | 005724059902 | 12.8      | 18.0 | 30.0 | 100       |
| 005726000002  | 005726059902 | 12.8      | 18.0 | 35.0 | 100       |
| 005728000002  | 005728059902 | 12.8      | 18.0 | 40.0 | 100       |
| 1115880000VR  | -            | 16.0      | 30.0 | 7.0  | 1000      |
| 005819600002  | 005819659902 | 16.5      | 25.0 | 5.0  | 100       |
| 005821600002  | 005821659902 | 16.5      | 25.0 | 10.0 | 50        |
| 005823600002  | 005823659902 | 16.5      | 25.0 | 15.0 | 50        |
| 005825600002  | 005825659902 | 16.5      | 25.0 | 20.0 | 50        |
| 005827600002  | 005827659902 | 16.5      | 25.0 | 25.0 | 50        |
| 005829600002  | 005829659902 | 16.5      | 25.0 | 30.0 | 50        |
| 005831600002  | 005831659902 | 16.5      | 25.0 | 35.0 | 50        |
| 005833600002  | 005833659902 | 16.5      | 25.0 | 40.0 | 50        |
| 005835600002  | 005835659902 | 16.5      | 25.0 | 45.0 | 50        |
| 005837600002  | 005837659902 | 16.5      | 25.0 | 50.0 | 50        |
| 005839600002  | -            | 16.5      | 25.0 | 55.0 | 50        |
| 005841600002  | 005841659902 | 16.5      | 25.0 | 60.0 | 50        |
| 005843600002  | -            | 16.5      | 25.0 | 65.0 | 50        |
| 005845600002  | 005845659902 | 16.5      | 25.0 | 70.0 | 25        |
| 005847600002  | 005847659902 | 16.5      | 25.0 | 75.0 | 25        |
| 005849600002  | 005849659902 | 16.5      | 25.0 | 80.0 | 25        |
| 1343704       | -            | 20.0      | 32.0 | 4.0  | 500       |
| 1115970000VR  | -            | 20.0      | 39.0 | 4.0  | 500       |
| -             | -            | 20.0      | 44.0 | 4.0  | 500       |
| 1115990000VR  | -            | 25.0      | 31.3 | 4.0  | 500       |

## FRAGEN? RUFEN SIE UNS AN

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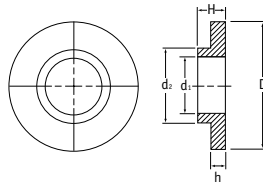
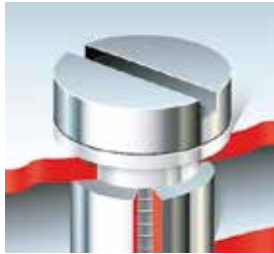
# UNTERLEGSCHLEIBEN, DISTANZSTÜCKE UND BUCHSEN

## Isolierhülsen

SR 1948

Nylon 6, natur

- Verhindert Kontakt mit Leitmaterial
- Verhindert Vibration und darauffolgende Lockerung von Teilen
- Präzise Positionierung und Distanzhaltung von Baugruppen

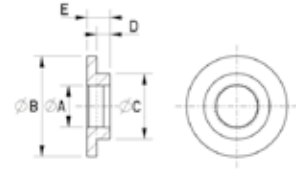


| Artikelnummer | Maße (mm) |      |      |     |     | Stück/VPE |
|---------------|-----------|------|------|-----|-----|-----------|
|               | d1        | d2   | D    | H   | h   |           |
| 018025000001  | 2.6       | 3.9  | 10.0 | 3.0 | 1.3 | 1000      |
| 018030000001  | 3.1       | 3.9  | 10.0 | 3.0 | 1.3 | 1000      |
| 018030100001  | 3.1       | 4.9  | 3.1  | 3.0 | 1.3 | 1000      |
| 018030200001  | 3.1       | 5.9  | 10.0 | 3.0 | 1.3 | 1000      |
| 018030300001  | 3.1       | 6.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018030400001  | 3.1       | 7.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018040100001  | 4.2       | 5.9  | 10.0 | 3.0 | 1.3 | 1000      |
| 018040200001  | 4.2       | 6.9  | 15.0 | 3.0 | 1.5 | 500       |
| 018040300001  | 4.2       | 7.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018040400001  | 4.2       | 8.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018040500001  | 4.2       | 9.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018040700001  | 4.2       | 11.9 | 18.0 | 3.5 | 5   | 500       |
| 018050000001  | 5.2       | 5.9  | 10.0 | 3.0 | 1.3 | 500       |
| 018050100001  | 5.2       | 6.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018050200001  | 5.2       | 7.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018050300001  | 5.2       | 8.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018050400001  | 5.2       | 9.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018050500001  | 5.2       | 10.9 | 18.0 | 3.5 | 1.5 | 500       |
| 018060000001  | 6.2       | 6.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018060200001  | 6.2       | 8.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018060300001  | 6.2       | 9.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018060500001  | 6.2       | 11.9 | 18.0 | 3.5 | 1.5 | 500       |
| 018080000001  | 8.2       | 8.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018080100001  | 8.2       | 9.9  | 15.0 | 3.5 | 1.5 | 500       |
| 018080200001  | 8.2       | 10.9 | 18.0 | 3.5 | 1.5 | 500       |
| 018080300001  | 8.2       | 11.9 | 18.0 | 3.5 | 1.5 | 500       |
| 018100000001  | 10.2      | 10.9 | 18.0 | 3.5 | 1.5 | 500       |
| 018100100001  | 10.2      | 11.9 | 18.0 | 3.5 | 1.5 | 500       |
| 018120100001  | 12.2      | 14.8 | 25.0 | 4.0 | 2.0 | 500       |
| 018120200001  | 12.2      | 15.8 | 25.0 | 4.0 | 2.0 | 500       |
| 018120300001  | 12.2      | 17.8 | 25.0 | 4.0 | 2.0 | 500       |
| 018140000001  | 14.2      | 15.8 | 25.0 | 4.0 | 2.0 | 500       |
| 018140100001  | 14.2      | 17.8 | 25.0 | 4.0 | 2.0 | 500       |
| 018160000001  | 16.2      | 17.8 | 25.0 | 4.0 | 2.0 | 500       |

## Isolierhülsen

SR 1948

Nylon, schwarz und Glasfaser



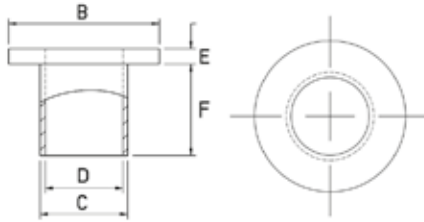
| Artikelnummer | Maße (mm) |      |      |      |      | Stück/VPE |
|---------------|-----------|------|------|------|------|-----------|
|               | A         | B    | C    | D    | E    |           |
| 312083259935  | 2.1       | 8    | 4.5  | 4.5  | 5.5  | 250       |
| 312083959935  | 2.6       | 8    | 4.5  | 1.6  | 4.2  | 250       |
| 312080259935  | 2.6       | 8    | 4.8  | 1.1  | 2.1  | 250       |
| 312083359935  | 2.7       | 5    | 3.2  | 1.4  | 2.4  | 250       |
| 312081259935  | 3         | 5.5  | 3.5  | 2.5  | 3.5  | 250       |
| 312084959935  | 3         | 5.9  | 3.5  | 0.6  | 1.8  | 250       |
| 312084359935  | 3.1       | 10   | 3.4  | 8    | 9    | 250       |
| 312083659935  | 2.95      | 6    | 3.5  | 1.3  | 2.3  | 250       |
| 312081959935  | 3.1       | 7.5  | 3.5  | 1.3  | 2.3  | 250       |
| 312080159935  | 3.1       | 7.5  | 3.5  | 2.5  | 3.5  | 250       |
| 312081059935  | 3.1       | 7.5  | 3.5  | 2.5  | 6.5  | 250       |
| 312083859935  | 3.1       | 7.5  | 3.9  | 3.5  | 4.5  | 250       |
| 312081459935  | 3.1       | 7.5  | 3.9  | 4.5  | 6    | 250       |
| 312084659935  | 3.1       | 10   | 4.2  | 8    | 10   | 250       |
| 312080959935  | 3.5       | 7    | 4.9  | 7.4  | 8.2  | 250       |
| 312080659935  | 3.5       | 7    | 5.1  | 2.2  | 3    | 250       |
| 312084259935  | 4         | 10   | 4.4  | 8    | 9    | 250       |
| 3120805059935 | 4         | 9.3  | 6.3  | 1.3  | 2.5  | 250       |
| 312084759935  | 4.1       | 10   | 5.2  | 10   | 12   | 250       |
| 312083159935  | 4.5       | 8    | 6    | 3.2  | 4    | 250       |
| 312080459935  | 4.5       | 15.7 | 9.7  | 8    | 13   | 250       |
| 312082159935  | 5.1       | 12   | 6.4  | 15   | 16   | 250       |
| 312084459935  | 5.1       | 12   | 6.4  | 15   | 17   | 250       |
| 312082859935  | 5.2       | 12   | 5.5  | 2    | 3    | 250       |
| 312080859935  | 5.2       | 12   | 5.5  | 4    | 5    | 250       |
| 312082659935  | 5.2       | 12   | 6.2  | 10   | 11   | 250       |
| 312081659935  | 5.2       | 12   | 6.9  | 8    | 11   | 250       |
| 312082059935  | 6.1       | 12   | 7.8  | 15   | 16   | 250       |
| 312084559935  | 6.1       | 12   | 7.8  | 15   | 17   | 250       |
| 312081759935  | 6.2       | 12   | 6.5  | 2    | 3    | 250       |
| 312081159935  | 6.2       | 12   | 6.5  | 4    | 4.5  | 250       |
| 312080759935  | 6.2       | 12   | 6.5  | 4    | 5    | 250       |
| 312082759935  | 6.2       | 12   | 7.2  | 10   | 11   | 250       |
| 312082559935  | 6.1       | 12   | 7.9  | 1    | 2    | 250       |
| 312082459935  | 6.2       | 12   | 7.9  | 2    | 4    | 250       |
| 312081559935  | 6.2       | 12   | 7.9  | 8    | 11   | 250       |
| 312081859935  | 6.4       | 16   | 10   | 2.3  | 3.5  | 250       |
| 312083459935  | 6.5       | 13   | 9.6  | 1.3  | 1.9  | 100       |
| 312080559935  | 6.5       | 25   | 13   | 6    | 10.5 | 100       |
| 312081359935  | 6.5       | 25   | 13   | 8.5  | 13   | 100       |
| 312083559935  | 8.2       | 19   | 9.4  | 1.7  | 2.5  | 100       |
| 312082359935  | 8.2       | 14   | 9.9  | 16   | 18   | 100       |
| 312082259935  | 8.5       | 25   | 12.8 | 9    | 13.5 | 100       |
| 312080359935  | 8.5       | 25   | 13   | 6    | 10.5 | 100       |
| 312083759935  | 10.2      | 16   | 11   | 1    | 2    | 250       |
| 312082959935  | 10.2      | 28   | 12.5 | 2.5  | 3.7  | 250       |
| 312084059935  | 10.2      | 28   | 17.5 | 2.5  | 6.5  | 100       |
| 312084159935  | 10.5      | 21   | 14.5 | 32   | 35   | 100       |
| 312083059935  | 12.5      | 20   | 16   | 1    | 2    | 250       |
| 312084859935  | 12.5      | 21   | 14.5 | 32.5 | 35.5 | 100       |

## Isolierhülsen

SR5743

Nylon, natur

- Säurebeständig
- Vibrationsdämpfende Eigenschaften
- Feuerbeständiges Material: UL94 V2
- Zur Nutzung als Isolierhülse oder Buchse



| Artikelnummer | Gewindegröße | Maße (mm) |     |     |     |      | Stück/VPE |
|---------------|--------------|-----------|-----|-----|-----|------|-----------|
|               |              | B         | C   | D   | E   | F    |           |
| MNI-2-2       | M2           | 4.6       | 3   | 2.3 | 1.2 | 0.8  | 1000      |
| MNI-2-4       | M2           | 4.6       | 3   | 2.3 | 1.2 | 1.6  | 1000      |
| MNI-2-6       | M2           | 4.6       | 3   | 2.3 | 1.2 | 2.4  | 1000      |
| MNI-4-2       | M2.5         | 6         | 3.7 | 2.9 | 1.2 | 0.8  | 1000      |
| MNI-4-3       | M2.5         | 6         | 3.7 | 2.9 | 1.2 | 1.2  | 1000      |
| MNI-4-4       | M2.5         | 6         | 3.7 | 2.9 | 1.2 | 1.6  | 1000      |
| MNI-4-5       | M2.5         | 6.4       | 3.6 | 2.9 | 1.2 | 2.1  | 1000      |
| MNI-4-6       | M2.5         | 6         | 3.7 | 2.9 | 1.2 | 2.4  | 1000      |
| MNI-4-10      | M2.5         | 6         | 3.7 | 2.9 | 1.2 | 4    | 1000      |
| MNI-4-12      | M2.5         | 6         | 3.7 | 2.9 | 1.2 | 4.7  | 1000      |
| MNI-4-16      | M2.5         | 6         | 3.7 | 2.9 | 1.2 | 6.4  | 1000      |
| MNI-4-24      | M2.5         | 6         | 3.7 | 2.9 | 1.2 | 9.5  | 1000      |
| MNI-6-2       | M3.5         | 7.4       | 4.3 | 3.6 | 1.2 | 0.8  | 1000      |
| MNI-6-4       | M3.5         | 7.4       | 4.3 | 3.6 | 1.2 | 1.6  | 1000      |
| MNI-6-6       | M3.5         | 7.4       | 4.3 | 3.6 | 1.2 | 2.4  | 1000      |
| MNI-6-8       | M3.5         | 7.4       | 4.3 | 3.6 | 1.2 | 3.2  | 1000      |
| MNI-6-12      | M3.5         | 7.4       | 4.3 | 3.6 | 1.2 | 4.7  | 1000      |
| MNI-6-16      | M3.5         | 7.4       | 4.3 | 3.6 | 1.2 | 6.4  | 1000      |
| MNI-6-24      | M3.5         | 7.4       | 4.3 | 3.6 | 1.2 | 9.5  | 1000      |
| MNI-6-32      | M3.5         | 7.4       | 4.3 | 3.6 | 1.2 | 12.7 | 1000      |
| MNI-8-2       | M4           | 8.7       | 5.2 | 4.4 | 1.6 | 0.8  | 1000      |
| MNI-8-4       | M4           | 8.7       | 5.2 | 4.4 | 1.6 | 1.6  | 1000      |

| Artikelnummer | Gewindegröße | Maße (mm) |     |     |     |      | Stück/VPE |
|---------------|--------------|-----------|-----|-----|-----|------|-----------|
|               |              | B         | C   | D   | E   | F    |           |
| MNI-8-6       | M4           | 8.7       | 5.2 | 4.4 | 1.6 | 2.4  | 1000      |
| MNI-8-8       | M4           | 8.7       | 5.2 | 4.4 | 1.6 | 3.2  | 1000      |
| MNI-8-12      | M4           | 8.7       | 5.2 | 4.4 | 1.6 | 4.7  | 1000      |
| MNI-8-16      | M4           | 8.7       | 5.2 | 4.4 | 1.6 | 6.4  | 1000      |
| MNI-8-24      | M4           | 8.7       | 5.2 | 4.4 | 1.6 | 9.5  | 1000      |
| MNI-8-32      | M4           | 8.7       | 5.2 | 4.4 | 1.6 | 12.7 | 1000      |
| MNI-10-2      | M5           | 10.1      | 6.6 | 5.1 | 1.6 | 0.8  | 1000      |
| MNI-10-4      | M5           | 10.1      | 6.6 | 5.1 | 1.6 | 1.6  | 1000      |
| MNI-10-6      | M5           | 10.1      | 6.6 | 5.1 | 1.6 | 2.4  | 1000      |
| MNI-10-8      | M5           | 10.1      | 6.6 | 5.1 | 1.6 | 3.2  | 1000      |
| MNI-10-12     | M5           | 10.1      | 6.6 | 5.1 | 1.6 | 4.7  | 1000      |
| MNI-10-16     | M5           | 10.1      | 6.6 | 5.1 | 1.6 | 6.4  | 1000      |
| MNI-10-24     | M5           | 10.1      | 6.6 | 5.1 | 1.6 | 9.5  | 1000      |
| MNI-10-32     | M5           | 10.1      | 6.6 | 5.1 | 1.6 | 12.7 | 1000      |
| MNI1/4-2      | M6           | 13        | 7.9 | 6.6 | 1.7 | 0.8  | 1000      |
| MNI1/4-4      | M6           | 13        | 7.9 | 6.6 | 1.7 | 1.6  | 1000      |
| MNI1/4-6      | M6           | 13        | 7.9 | 6.6 | 1.7 | 2.4  | 1000      |
| MNI1/4-12     | M6           | 13        | 7.9 | 6.6 | 1.7 | 4.7  | 1000      |
| MNI1/4-16     | M6           | 13        | 7.9 | 6.6 | 1.7 | 6.4  | 1000      |
| MNI1/4-24     | M6           | 13        | 7.9 | 6.6 | 1.7 | 9.5  | 1000      |
| MNI1/4-32     | M6           | 13        | 7.9 | 6.6 | 1.7 | 12.7 | 1000      |
| MNI5/16-6     | M8           | 15.7      | 9.1 | 8.1 | 1.6 | 2.4  | 1000      |
| MNI5/16-12    | M8           | 15.7      | 9.1 | 8.1 | 1.6 | 4.7  | 1000      |
| MNI5/16-16    | M8           | 15.7      | 9.1 | 8.1 | 1.6 | 6.4  | 1000      |

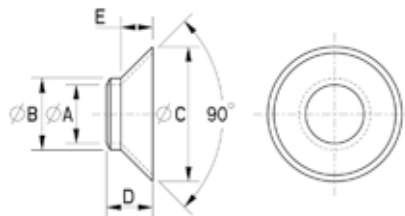


## Senkisolierhülse

SR 6441

Nylon, natur

- Häufige Nutzung in elektrotechnischen Anwendungen
- In vielen Ländern gesetzlich vorgeschrieben
- Verhindert elektrische Korrosion bei Senkkopfschrauben



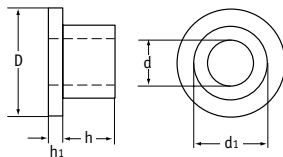
| Artikelnummer | Maße (mm) |      |      |      |     | Stück/VPE |
|---------------|-----------|------|------|------|-----|-----------|
|               | A         | B    | C    | D    | E   |           |
| 083030200001  | 3.1       | 4.9  | 8.2  | 3.7  | 1.7 | 500       |
| 083040200001  | 4.1       | 5.9  | 10.4 | 4.3  | 2.3 | 500       |
| 083050200001  | 5.1       | 6.9  | 12.4 | 4.8  | 2.8 | 500       |
| 083060200001  | 6.1       | 7.9  | 14.4 | 5.3  | 3.3 | 500       |
| 083080200001  | 8.1       | 9.9  | 18.6 | 6.4  | 4.4 | 500       |
| 083100500001  | 10.2      | 12.4 | 22.5 | 10.3 | 5.0 | 500       |
| 083120200001  | 12.1      | 13.9 | 26.8 | 8.5  | 6.5 | 500       |
| 083160200001  | 16.2      | 19.2 | 35.4 | 10.8 | 8.1 | 500       |

## Buchsen

SR 1942

Nylon 6.6, natur

- Selbstschmierend
- Niedriger Reibungskoeffizient
- Ideal für alle Schwenk- oder Drehteile
- Beständig gegen Feuchtigkeit, Schmutz und die meisten Chemikalien

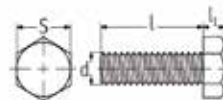


| Artikelnummer | Maße (mm) |      |      |     |      | Stück/VPE |
|---------------|-----------|------|------|-----|------|-----------|
|               | d         | d1   | D    | h1  | h    |           |
| 1090620000VR  | 3.1       | 3.6  | 5.8  | 0.4 | 1.2  | 1000      |
| 1090700000VR  | 3.1       | 4.0  | 6.2  | 1.0 | 7.0  | 1000      |
| 1091090000VR  | 3.1       | 4.0  | 6.2  | 1.0 | 6.0  | 1000      |
| 1095830000VR  | 3.1       | 4.0  | 6.2  | 1.0 | 10.0 | 1000      |
| 1080030000VR  | 3.1       | 6.1  | 8.1  | 1.2 | 0.8  | 1000      |
| 1090580000VR  | 4.1       | 6.0  | 8.2  | 1.5 | 3.0  | 1000      |
| 1095010000VR  | 4.1       | 6.0  | 8.2  | 1.5 | 5.0  | 1000      |
| 018040000001  | 4.2       | 4.9  | 10.0 | 1.3 | 1.7  | 1000      |
| 1091330000VR  | 4.2       | 6.3  | 12.7 | 3.2 | 11.1 | 1000      |
| 1080170000VR  | 4.3       | 6.5  | 12.0 | 1.5 | 1.1  | 1000      |
| 1091280000VR  | 4.9       | 9.6  | 16.3 | 1.6 | 1.6  | 1000      |
| 1080200000VR  | 5.0       | 9.0  | 12.0 | 2.0 | 2.9  | 1000      |
| 1095290000VR  | 5.2       | 6.9  | 15.0 | 1.5 | 2.0  | 1000      |
| 1091810000VR  | 6.1       | 8.0  | 12.2 | 2.0 | 4.0  | 1000      |
| 018060500001  | 11.9      | 6.2  | 18.0 | 3.5 | 1.5  | 500       |
| 1091960000VR  | 6.4       | 9.5  | 16.0 | 1.6 | 4.8  | 1000      |
| 1080350000VR  | 6.5       | 9.6  | 15.8 | 1.6 | 2.8  | 1000      |
| 1092140000VR  | 6.6       | 8.3  | 16.0 | 1.6 | 3.2  | 1000      |
| 1092270000VR  | 8.0       | 11.0 | 16.0 | 2.0 | 11.0 | 1000      |
| 1091100000VR  | 8.1       | 10.0 | 14.2 | 2.5 | 4.0  | 1000      |
| 1092320000VR  | 8.1       | 10.0 | 14.2 | 2.5 | 8.0  | 1000      |
| 1092330000VR  | 8.1       | 10.0 | 14.2 | 2.5 | 10.0 | 1000      |
| 1090380000VR  | 8.1       | 14.2 | 20.0 | 2.6 | 9.3  | 1000      |
| 1092470000VR  | 9.6       | 12.7 | 15.9 | 1.6 | 7.9  | 1000      |
| 1092530000VR  | 10.0      | 12.0 | 16.0 | 2.0 | 4.0  | 1000      |
| 1092540000VR  | 10.0      | 14.0 | 20.0 | 2.0 | 8.0  | 1000      |
| 1092550000VR  | 10.0      | 16.0 | 21.0 | 2.0 | 8.0  | 1000      |
| 1090440000VR  | 10.1      | 14.9 | 19.8 | 2.6 | 9.2  | 1000      |
| 1094670000VR  | 10.1      | 16.0 | 20.0 | 3.0 | 7.0  | 1000      |
| 1094140000VR  | 10.4      | 13.0 | 19.0 | 2.0 | 5.0  | 1000      |
| 1092600000VR  | 11.2      | 16.0 | 22.2 | 3.2 | 9.5  | 1000      |
| 1095760000VR  | 12.1      | 14.0 | 20.0 | 2.0 | 4.0  | 1000      |
| 1090510000VR  | 12.1      | 17.7 | 23.9 | 2.6 | 13.0 | 1000      |
| 018120000001  | 12.2      | 13.8 | 25.0 | 2.0 | 2.0  | 1000      |
| 1095840000VR  | 12.5      | 14.0 | 17.5 | 1.0 | 8.0  | 1000      |
| 1090630000VR  | 16.1      | 21.7 | 27.7 | 3.1 | 16.6 | 1000      |
| 1095750000VR  | 16.2      | 17.8 | 32.0 | 3.0 | 6.0  | 1000      |
| 1090680000VR  | 20.1      | 26.7 | 31.9 | 3.1 | 20.8 | 500       |
| 1095820000VR  | 24.5      | 33.0 | 50.0 | 6.0 | 7.5  | 500       |
| 1095810000VR  | 50.0      | 57.0 | 98.0 | 3.0 | 7.0  | 100       |

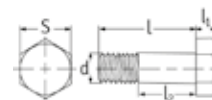
## Sechskantschrauben - Nylon 6.6

SR 1992

- Typ 1 - Maßtoleranzen ähnlich ISO 4017, NF EN 24017, DIN 933
- Typ 2 - Maßtoleranzen ähnlich DIN 931



Typ 1



Typ 2



### Typ 1

| Artikelnummer | Maße (mm)   |      |                |      | Stück/VPE |
|---------------|-------------|------|----------------|------|-----------|
|               | d           | l    | l <sub>1</sub> | S    |           |
| 0020010000VR  | M2 x 0.4    | 4.0  | 1.2            | 3.2  | 1000      |
| 0020020000VR  | M2 x 0.4    | 5.0  | 1.2            | 3.2  | 1000      |
| 0020030000VR  | M2 x 0.4    | 6.0  | 1.2            | 4.0  | 1000      |
| 0020040000VR  | M2 x 0.4    | 8.0  | 1.2            | 3.2  | 1000      |
| 0021450000VR  | M2 x 0.4    | 10.0 | 1.2            | 3.2  | 1000      |
| 0021380000VR  | M2 x 0.4    | 12.0 | 1.2            | 3.2  | 1000      |
| 0021370000VR  | M2 x 0.4    | 16.0 | 1.2            | 3.2  | 1000      |
| 0021320000VR  | M2 x 0.4    | 20.0 | 1.2            | 3.2  | 1000      |
| 0021330000VR  | M2 x 0.4    | 25.0 | 1.2            | 3.2  | 1000      |
| 0021340000VR  | M2.5 x 0.45 | 4.0  | 1.3            | 4.0  | 1000      |
| 0021890000VR  | M2.5 x 0.45 | 4.5  | 1.3            | 4.0  | 1000      |
| 0021410000VR  | M2.5 x 0.45 | 5.0  | 1.3            | 4.0  | 1000      |
| 0021350000VR  | M2.5 x 0.45 | 6.0  | 1.3            | 4.0  | 1000      |
| 0021500000VR  | M2.5 x 0.45 | 8.0  | 1.3            | 4.0  | 1000      |
| 0021460000VR  | M2.5 x 0.45 | 10.0 | 1.3            | 4.0  | 1000      |
| 0021310000VR  | M2.5 x 0.45 | 16.0 | 1.3            | 4.0  | 1000      |
| 0021430000VR  | M2.5 x 0.45 | 20.0 | 1.3            | 4.0  | 1000      |
| 0021440000VR  | M2.5 x 0.45 | 25.0 | 1.3            | 4.0  | 1000      |
| 0020060000VR  | M3 x 0.5    | 4.0  | 2.0            | 5.5  | 1000      |
| 0021200000VR  | M3 x 0.5    | 5.0  | 2.0            | 5.5  | 1000      |
| 0020070000VR  | M3 x 0.5    | 6.0  | 2.0            | 5.5  | 1000      |
| 0020080000VR  | M3 x 0.5    | 8.0  | 2.0            | 5.5  | 1000      |
| 0020090000VR  | M3 x 0.5    | 10.0 | 2.0            | 5.5  | 1000      |
| 0020100000VR  | M3 x 0.5    | 12.0 | 2.0            | 5.5  | 1000      |
| 0020120000VR  | M3 x 0.5    | 16.0 | 2.0            | 5.5  | 1000      |
| 0020130000VR  | M3 x 0.5    | 20.0 | 2.0            | 5.5  | 1000      |
| 0020140000VR  | M3 x 0.5    | 25.0 | 2.0            | 5.5  | 1000      |
| 0020150000VR  | M3 x 0.5    | 30.0 | 2.0            | 5.5  | 1000      |
| 0020160000VR  | M4 x 0.7    | 6.0  | 2.8            | 7.0  | 1000      |
| 0020170000VR  | M4 x 0.7    | 8.0  | 2.8            | 7.0  | 1000      |
| 0020180000VR  | M4 x 0.7    | 10.0 | 2.8            | 7.0  | 1000      |
| 0020190000VR  | M4 x 0.7    | 12.0 | 2.8            | 7.0  | 1000      |
| 0020210000VR  | M4 x 0.7    | 16.0 | 2.8            | 7.0  | 1000      |
| 0021820000VR  | M4 x 0.7    | 18.0 | 2.8            | 7.0  | 1000      |
| 0020220000VR  | M4 x 0.7    | 20.0 | 2.8            | 7.0  | 1000      |
| 0020230000VR  | M4 x 0.7    | 25.0 | 2.8            | 7.0  | 1000      |
| 0020240000VR  | M4 x 0.7    | 30.0 | 2.8            | 7.0  | 1000      |
| 0020250000VR  | M4 x 0.7    | 40.0 | 2.8            | 7.0  | 1000      |
| 0020260000VR  | M5 x 0.8    | 6.0  | 4.0            | 8.0  | 1000      |
| 0020270000VR  | M5 x 0.8    | 8.0  | 4.0            | 8.0  | 1000      |
| 0020280000VR  | M5 x 0.8    | 10.0 | 4.0            | 8.0  | 1000      |
| 0020290000VR  | M5 x 0.8    | 12.0 | 4.0            | 8.0  | 1000      |
| 0020310000VR  | M5 x 0.8    | 16.0 | 4.0            | 8.0  | 1000      |
| 0020330000VR  | M5 x 0.8    | 20.0 | 4.0            | 8.0  | 1000      |
| 0020340000VR  | M5 x 0.8    | 25.0 | 4.0            | 8.0  | 1000      |
| 0020350000VR  | M5 x 0.8    | 30.0 | 4.0            | 8.0  | 1000      |
| 0020360000VR  | M5 x 0.8    | 40.0 | 4.0            | 8.0  | 1000      |
| 0020370000VR  | M5 x 0.8    | 50.0 | 4.0            | 8.0  | 1000      |
| 0021420000VR  | M6 x 1.0    | 5.0  | 4.0            | 10.0 | 1000      |
| 0020390000VR  | M6 x 1.0    | 6.5  | 4.0            | 10.0 | 1000      |
| 0020410000VR  | M6 x 1.0    | 8.0  | 4.0            | 10.0 | 1000      |
| 0020420000VR  | M6 x 1.0    | 10.0 | 4.0            | 10.0 | 1000      |
| 0020430000VR  | M6 x 1.0    | 12.0 | 4.0            | 10.0 | 1000      |
| 0020450000VR  | M6 x 1.0    | 16.0 | 4.0            | 10.0 | 1000      |
| 0020460000VR  | M6 x 1.0    | 20.0 | 4.0            | 10.0 | 1000      |
| 0020470000VR  | M6 x 1.0    | 22.0 | 4.0            | 10.0 | 1000      |
| 0020480000VR  | M6 x 1.0    | 25.0 | 4.0            | 10.0 | 1000      |
| 0020500000VR  | M6 x 1.0    | 30.0 | 4.0            | 10.0 | 1000      |
| 0020520000VR  | M6 x 1.0    | 40.0 | 4.0            | 10.0 | 1000      |
| 0021400000VR  | M6 x 1.0    | 45.0 | 4.0            | 10.0 | 1000      |
| 0020530000VR  | M6 x 1.0    | 50.0 | 4.0            | 10.0 | 500       |

### Typ 1 - Fortsetzung

| Artikelnummer | Maße (mm)  |       |                |      | Stück/VPE |
|---------------|------------|-------|----------------|------|-----------|
|               | d          | l     | l <sub>1</sub> | S    |           |
| 0020550000VR  | M6 x 1.0   | 60.0  | 4.0            | 10.0 | 500       |
| 0021470000VR  | M6 x 1.0   | 65.0  | 4.0            | 10.0 | 500       |
| 0021280000VR  | M6 x 1.0   | 70.0  | 4.0            | 10.0 | 1000      |
| 0020570000VR  | M6 x 1.0   | 80.0  | 4.0            | 10.0 | 500       |
| 0020640000VR  | M8 x 1.25  | 8.0   | 5.5            | 13.0 | 1000      |
| 0020650000VR  | M8 x 1.25  | 10.0  | 5.5            | 13.0 | 1000      |
| 0020680000VR  | M8 x 1.25  | 16.0  | 5.5            | 13.0 | 1000      |
| 0020690000VR  | M8 x 1.25  | 20.0  | 5.5            | 13.0 | 1000      |
| 0020700000VR  | M8 x 1.25  | 25.0  | 5.5            | 13.0 | 1000      |
| 0020710000VR  | M8 x 1.25  | 30.0  | 5.5            | 13.0 | 1000      |
| 0020720000VR  | M8 x 1.25  | 35.0  | 5.5            | 13.0 | 1000      |
| 0020730000VR  | M8 x 1.25  | 40.0  | 5.5            | 13.0 | 1000      |
| 0020740000VR  | M8 x 1.25  | 50.0  | 5.5            | 13.0 | 500       |
| 0020750000VR  | M8 x 1.25  | 60.0  | 5.5            | 13.0 | 500       |
| 0021480000VR  | M8 x 1.25  | 70.0  | 5.5            | 13.0 | 500       |
| 0020770000VR  | M8 x 1.25  | 80.0  | 5.5            | 13.0 | 500       |
| 0021850000VR  | M10 x 1.5  | 16.0  | 7.0            | 17.0 | 1000      |
| 0020860000VR  | M10 x 1.5  | 20.0  | 7.0            | 17.0 | 500       |
| 0021490000VR  | M10 x 1.5  | 25.0  | 7.0            | 16.0 | 500       |
| 0020880000VR  | M10 x 1.5  | 30.0  | 7.0            | 17.0 | 500       |
| 0021270000VR  | M10 x 1.5  | 40.0  | 7.0            | 17.0 | 500       |
| 0020890000VR  | M10 x 1.5  | 50.0  | 7.0            | 17.0 | 250       |
| 0020900000VR  | M10 x 1.5  | 60.0  | 7.0            | 17.0 | 250       |
| 0020910000VR  | M10 x 1.5  | 70.0  | 7.0            | 17.0 | 250       |
| 0020920000VR  | M10 x 1.5  | 80.0  | 7.0            | 17.0 | 250       |
| 0021870000VR  | M10 x 1.5  | 100.0 | 7.0            | 17.0 | 250       |
| 0021900000VR  | M12 x 1.75 | 16.0  | 7.0            | 19.0 | 1000      |
| 0021360000VR  | M12 x 1.75 | 20.0  | 8.0            | 19.0 | 1000      |
| 0021010000VR  | M12 x 1.75 | 30.0  | 8.0            | 19.0 | 500       |
| 0021020000VR  | M12 x 1.75 | 40.0  | 8.0            | 19.0 | 500       |
| 0021030000VR  | M12 x 1.75 | 50.0  | 8.0            | 19.0 | 250       |
| 0021040000VR  | M12 x 1.75 | 60.0  | 8.0            | 19.0 | 250       |
| 0021050000VR  | M12 x 1.75 | 70.0  | 8.0            | 19.0 | 250       |
| 0021060000VR  | M12 x 1.75 | 80.0  | 8.0            | 19.0 | 250       |
| 0021880000VR  | M12 x 1.75 | 100.0 | 10.0           | 19.0 | 250       |
| 0021150000VR  | M16 x 2.0  | 16.0  | 10.0           | 24.0 | 250       |
| 0021130000VR  | M16 x 2.0  | 20.0  | 10.0           | 24.0 | 250       |
| 0021160000VR  | M16 x 2.0  | 30.0  | 10.0           | 24.0 | 250       |
| 0021860000VR  | M16 x 2.0  | 40.0  | 10.0           | 24.0 | 250       |
| 0021180000VR  | M16 x 2.0  | 50.0  | 10.0           | 24.0 | 250       |
| 0021190000VR  | M16 x 2.0  | 60.0  | 10.0           | 24.0 | 250       |
| 0021220000VR  | M16 x 2.0  | 80.0  | 10.0           | 24.0 | 250       |
| 0021210000VR  | M16 x 2.0  | 100.0 | 10.0           | 24.0 | 250       |
| 0021230000VR  | M18 x 2.5  | 50.0  | 11.5           | 27.0 | 250       |

### Typ 2

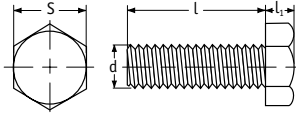
| Artikelnummer | Maße (mm)  |       |                |      |                | Stück/VPE |
|---------------|------------|-------|----------------|------|----------------|-----------|
|               | d          | l     | l <sub>1</sub> | S    | l <sub>2</sub> |           |
| 0025370000VR  | M5 x 0.8   | 50.0  | 3.5            | 0.8  | 34.0           | 1000      |
| 0025570000VR  | M6 x 1.0   | 80.0  | 4.0            | 10.0 | 15.0           | 500       |
| 0025790000VR  | M8 x 1.25  | 100.0 | 5.3            | 13.0 | 50.0           | 1000      |
| 0025800000VR  | M8 x 1.25  | 125.0 | 5.3            | 13.0 | 75.0           | 1000      |
| 0025900000VR  | M10 x 1.5  | 60.0  | 6.4            | 17.0 | 10.0           | 1000      |
| 0025920000VR  | M10 x 1.5  | 80.0  | 6.4            | 17.0 | 30.0           | 1000      |
| 0025940000VR  | M10 x 1.5  | 125.0 | 6.4            | 17.0 | 65.0           | 250       |
| 0025950000VR  | M10 x 1.5  | 150.0 | 6.4            | 17.0 | 90.0           | 125       |
| 0026020000VR  | M12 x 1.75 | 40.0  | 10.0           | 19.0 | 10.0           | 1000      |
| 0026040000VR  | M12 x 1.75 | 60.0  | 10.0           | 19.0 | 10.0           | 1000      |
| 0026050000VR  | M12 x 1.75 | 70.0  | 10.0           | 19.0 | 20.0           | 1000      |
| 0026060000VR  | M12 x 1.75 | 80.0  | 10.0           | 19.0 | 30.0           | 1000      |

# SCHRAUBEN UND MUTTERN

## Sechskantschrauben

SR 1992

Nylon 6.6, schwarz



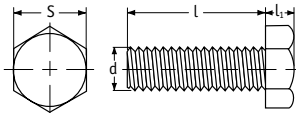
| Artikelnummer | Maße (mm)  |      |                |      | Stück/VPE |
|---------------|------------|------|----------------|------|-----------|
|               | d          | L    | l <sub>1</sub> | S    |           |
| 0020090001VR  | M3 x 0.5   | 10.0 | 2.0            | 5.5  | 100       |
| 0020120001VR  | M3 x 0.5   | 16.0 | 2.0            | 5.5  | 100       |
| 0020130001VR  | M3 x 0.5   | 20.0 | 2.0            | 5.5  | 100       |
| 0020180001VR  | M4 x 0.7   | 10.0 | 2.8            | 7.0  | 100       |
| 0020210001VR  | M4 x 0.7   | 16.0 | 2.8            | 7.0  | 100       |
| 0020220001VR  | M4 x 0.7   | 20.0 | 2.8            | 7.0  | 100       |
| 0020240001VR  | M4 x 0.7   | 30.0 | 2.8            | 7.0  | 100       |
| 0020280001VR  | M5 x 0.8   | 10.0 | 4.0            | 8.0  | 100       |
| 0020310001VR  | M5 x 0.8   | 16.0 | 4.0            | 8.0  | 100       |
| 0020330001VR  | M5 x 0.8   | 20.0 | 4.0            | 8.0  | 100       |
| 0020350001VR  | M5 x 0.8   | 30.0 | 4.0            | 8.0  | 100       |
| 0020420001VR  | M6 x 1.0   | 10.0 | 4.0            | 10.0 | 100       |
| 0020450001VR  | M6 x 1.0   | 16.0 | 4.0            | 10.0 | 100       |
| 0020460001VR  | M6 x 1.0   | 20.0 | 4.0            | 10.0 | 100       |
| 0020500001VR  | M6 x 1.0   | 30.0 | 4.0            | 10.0 | 100       |
| 0020520001VR  | M6 x 1.0   | 40.0 | 4.0            | 10.0 | 100       |
| 0020690001VR  | M8 x 1.25  | 20.0 | 5.5            | 13.0 | 100       |
| 0020710001VR  | M8 x 1.25  | 30.0 | 5.5            | 13.0 | 100       |
| 0020730001VR  | M8 x 1.25  | 40.0 | 5.5            | 13.0 | 100       |
| 0020750001VR  | M8 x 1.25  | 60.0 | 5.5            | 13.0 | 100       |
| 0020860001VR  | M10 x 1.5  | 20.0 | 7.0            | 17.0 | 100       |
| 0020880001VR  | M10 x 1.5  | 30.0 | 7.0            | 17.0 | 100       |
| 0020890001VR  | M10 x 1.5  | 50.0 | 7.0            | 17.0 | 100       |
| 0020900001VR  | M10 x 1.5  | 60.0 | 7.0            | 17.0 | 100       |
| 0021020001VR  | M12 x 1.75 | 40.0 | 10.0           | 19.0 | 100       |
| 0021040001VR  | M12 x 1.75 | 60.0 | 10.0           | 19.0 | 100       |

## Sechskantschrauben - PP

SR 1902

Polypropylen, natur

- Maßtoleranzen ähnlich ISO 4017, NF EN 24017, DIN 933

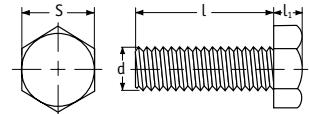


## Sechskantschrauben - PVDF

SR 1901

PVDF, natur

- Maßtoleranzen ähnlich ISO 4017, NF EN 24017, DIN 933



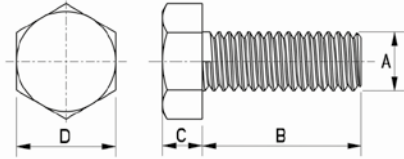
| Artikelnummer | Maße (mm)  |      |                |      | Stück/VPE |
|---------------|------------|------|----------------|------|-----------|
|               | d          | L    | l <sub>1</sub> | S    |           |
| 0020090300VR  | M3 x 0.5   | 10.0 | 2.0            | 5.5  | 100       |
| 0020120300VR  | M3 x 0.5   | 16.0 | 2.0            | 5.5  | 100       |
| 0020130300VR  | M3 x 0.5   | 20.0 | 2.0            | 5.5  | 100       |
| 0020180300VR  | M4 x 0.7   | 10.0 | 2.8            | 7.0  | 100       |
| 0020210300VR  | M4 x 0.7   | 16.0 | 2.8            | 7.0  | 100       |
| 0020220300VR  | M4 x 0.7   | 20.0 | 2.8            | 7.0  | 100       |
| 0020290300VR  | M5 x 0.8   | 12.0 | 3.5            | 8.0  | 100       |
| 0020310300VR  | M5 x 0.8   | 16.0 | 3.5            | 8.0  | 100       |
| 0020330300VR  | M5 x 0.8   | 20.0 | 3.5            | 8.0  | 100       |
| 0020340300VR  | M5 x 0.8   | 25.0 | 3.5            | 8.0  | 100       |
| 0020350300VR  | M5 x 0.8   | 30.0 | 3.5            | 8.0  | 100       |
| 0020450300VR  | M6 x 1.0   | 16.0 | 4.0            | 10.0 | 100       |
| 0020460300VR  | M6 x 1.0   | 20.0 | 4.0            | 10.0 | 100       |
| 0020480300VR  | M6 x 1.0   | 25.0 | 4.0            | 10.0 | 100       |
| 0020520300VR  | M6 x 1.0   | 40.0 | 4.0            | 10.0 | 100       |
| 0020690300VR  | M8 x 1.25  | 20.0 | 5.3            | 13.0 | 100       |
| 0020710300VR  | M8 x 1.25  | 30.0 | 5.3            | 13.0 | 100       |
| 0020730300VR  | M8 x 1.25  | 40.0 | 5.3            | 13.0 | 100       |
| 0020750300VR  | M8 x 1.25  | 60.0 | 5.3            | 13.0 | 100       |
| 0020860300VR  | M10 x 1.5  | 20.0 | 6.4            | 17.0 | 100       |
| 0020900300VR  | M10 x 1.5  | 60.0 | 6.4            | 17.0 | 100       |
| 0021020300VR  | M12 x 1.75 | 40.0 | 7.5            | 19.0 | 100       |
| 0021040300VR  | M12 x 1.75 | 60.0 | 7.5            | 19.0 | 100       |

| Artikelnummer | Maße (mm) |      |                |      | Stück/VPE |
|---------------|-----------|------|----------------|------|-----------|
|               | d         | L    | l <sub>1</sub> | S    |           |
| 0020090500VR  | M3 x 0.5  | 10.0 | 2.0            | 5.5  | 100       |
| 0020120500VR  | M3 x 0.5  | 16.0 | 2.0            | 5.5  | 100       |
| 0020130500VR  | M3 x 0.5  | 20.0 | 2.0            | 5.5  | 100       |
| 0020180500VR  | M4 x 0.7  | 10.0 | 2.8            | 7.0  | 100       |
| 0020210500VR  | M4 x 0.7  | 16.0 | 2.8            | 7.0  | 100       |
| 0020220500VR  | M4 x 0.7  | 20.0 | 2.8            | 7.0  | 100       |
| 0020240500VR  | M4 x 0.7  | 30.0 | 2.8            | 7.0  | 100       |
| 0020290500VR  | M5 x 0.8  | 12.0 | 3.5            | 8.0  | 100       |
| 0020310500VR  | M5 x 0.8  | 16.0 | 3.5            | 8.0  | 100       |
| 0020330500VR  | M5 x 0.8  | 20.0 | 3.5            | 8.0  | 100       |
| 0020340500VR  | M5 x 0.8  | 25.0 | 3.5            | 8.0  | 100       |
| 0020350500VR  | M5 x 0.8  | 30.0 | 3.5            | 8.0  | 100       |
| 0020420500VR  | M6 x 1.0  | 10.0 | 4.0            | 10.0 | 100       |
| 0020430500VR  | M6 x 1.0  | 12.0 | 4.0            | 10.0 | 100       |
| 0020450500VR  | M6 x 1.0  | 16.0 | 4.0            | 10.0 | 100       |
| 0020460500VR  | M6 x 1.0  | 20.0 | 4.0            | 10.0 | 100       |
| 0020480500VR  | M6 x 1.0  | 25.0 | 4.0            | 10.0 | 100       |
| 0020520500VR  | M6 x 1.0  | 40.0 | 4.0            | 10.0 | 100       |

## PEEK® Sechskantschraube

SR 1930

- Aus PEEK®
- Farbe: hellbraun
- Temperatur für Dauernutzung 180°C
- Beständig gegen die meisten Chemikalien
- Flammwidrig: UL94 V-0



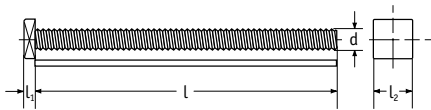
| Artikelnummer | Maße (mm) |      |     |      | Stück/VPE |
|---------------|-----------|------|-----|------|-----------|
|               | A         | B    | C   | D    |           |
| 182051070409  | M5        | 10.0 | 3.5 | 8.0  | 10        |
| 182051270409  | M5        | 12.0 | 3.5 | 8.0  | 10        |
| 182051570409  | M5        | 15.0 | 3.5 | 8.0  | 10        |
| 182052070409  | M5        | 20.0 | 3.5 | 8.0  | 10        |
| 182052570409  | M5        | 25.0 | 3.5 | 8.0  | 10        |
| 182053070409  | M5        | 30.0 | 3.5 | 8.0  | 10        |
| 182061070409  | M6        | 10.0 | 4.0 | 10.0 | 10        |
| 182061270409  | M6        | 12.0 | 4.0 | 10.0 | 10        |
| 182061570409  | M6        | 15.0 | 4.0 | 10.0 | 10        |
| 182062070409  | M6        | 20.0 | 4.0 | 10.0 | 10        |
| 182062570409  | M6        | 25.0 | 4.0 | 10.0 | 10        |
| 182063070409  | M6        | 30.0 | 4.0 | 10.0 | 10        |
| 182063570409  | M6        | 35.0 | 4.0 | 10.0 | 10        |
| 182064070409  | M6        | 40.0 | 4.0 | 10.0 | 10        |
| 182064570409  | M6        | 45.0 | 4.0 | 10.0 | 10        |
| 182065070409  | M6        | 50.0 | 4.0 | 10.0 | 10        |
| 182081070409  | M8        | 10.0 | 5.5 | 13.0 | 1         |

| Artikelnummer | Maße (mm) |      |     |      | Stück/VPE |
|---------------|-----------|------|-----|------|-----------|
|               | A         | B    | C   | D    |           |
| 182081570409  | M8        | 15.0 | 5.5 | 13.0 | 1         |
| 182082070409  | M8        | 20.0 | 5.5 | 13.0 | 1         |
| 182082570409  | M8        | 25.0 | 5.5 | 13.0 | 1         |
| 182083070409  | M8        | 30.0 | 5.5 | 13.0 | 1         |
| 182083570409  | M8        | 35.0 | 5.5 | 13.0 | 1         |
| 182084070409  | M8        | 40.0 | 5.5 | 13.0 | 1         |
| 182084570409  | M8        | 45.0 | 5.5 | 13.0 | 1         |
| 182085070409  | M8        | 50.0 | 5.5 | 13.0 | 1         |
| 182101570409  | M10       | 15.0 | 7.0 | 17.0 | 1         |
| 182102070409  | M10       | 20.0 | 7.0 | 17.0 | 1         |
| 182102570409  | M10       | 25.0 | 7.0 | 17.0 | 1         |
| 182103070409  | M10       | 30.0 | 7.0 | 17.0 | 1         |
| 182103570409  | M10       | 35.0 | 7.0 | 17.0 | 1         |
| 182104070409  | M10       | 40.0 | 7.0 | 17.0 | 1         |
| 182104570409  | M10       | 45.0 | 7.0 | 17.0 | 1         |
| 182105070409  | M10       | 50.0 | 7.0 | 17.0 | 1         |

## Vierkantschrauben

SR 1980

Nylon 6.6, natur



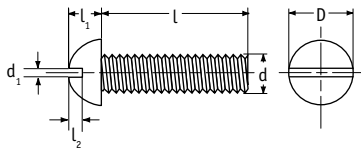
| Artikelnummer | Maße (mm) |      |     |         | Stück/VPE |
|---------------|-----------|------|-----|---------|-----------|
|               | d         | l    | l1  | l2      |           |
| 0900530000VR  | M6 x 1.0  | 40.0 | 3.0 | 10 x 10 | 1000      |
| 0900540000VR  | M6 x 1.0  | 50.0 | 3.0 | 10 x 10 | 500       |
| 0900550000VR  | M6 x 1.0  | 60.0 | 3.0 | 10 x 10 | 500       |
| 0900570000VR  | M6 x 1.0  | 80.0 | 3.0 | 10 x 10 | 125       |
| 0900610000VR  | M8 x 1.25 | 50.0 | 3.0 | 10 x 10 | 500       |

# SCHRAUBEN UND MUTTERN AUS NYLON

## Halbrund-Schrauben mit Schlitz

SR 1973

Nylon 6.6, natur



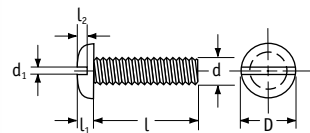
| Artikelnummer | Maße (mm) |      |      |                |                |                | Stück/VPE |
|---------------|-----------|------|------|----------------|----------------|----------------|-----------|
|               | d         | l    | D    | l <sub>1</sub> | d <sub>1</sub> | l <sub>2</sub> |           |
| 0130060000VR  | M3 x 0.5  | 4.0  | 5.5  | 2.7            | 0.8            | 0.9            | 1000      |
| 0130070000VR  | M3 x 0.5  | 6.0  | 5.5  | 2.7            | 0.8            | 0.9            | 1000      |
| 0130090000VR  | M3 x 0.5  | 10.0 | 5.5  | 2.7            | 0.8            | 0.9            | 1000      |
| 0130100000VR  | M3 x 0.5  | 12.0 | 5.5  | 2.7            | 0.8            | 0.9            | 1000      |
| 0130120000VR  | M3 x 0.5  | 16.0 | 5.5  | 2.7            | 0.8            | 0.9            | 1000      |
| 0130130000VR  | M3 x 0.5  | 20.0 | 5.5  | 2.7            | 0.8            | 0.9            | 1000      |
| 0130140000VR  | M3 x 0.5  | 25.0 | 5.5  | 2.7            | 0.8            | 0.9            | 1000      |
| 0130160000VR  | M4 x 0.7  | 6.0  | 7.0  | 3.5            | 1.0            | 1.3            | 1000      |
| 0130170000VR  | M4 x 0.7  | 8.0  | 7.0  | 3.5            | 1.0            | 1.3            | 1000      |
| 0130180000VR  | M4 x 0.7  | 10.0 | 7.0  | 3.5            | 1.0            | 1.3            | 1000      |
| 0130190000VR  | M4 x 0.7  | 12   | 7.0  | 3.5            | 1.0            | 1.3            | 1000      |
| 0130210000VR  | M4 x 0.7  | 16.0 | 7.0  | 3.5            | 1.0            | 1.3            | 1000      |
| 0130220000VR  | M4 x 0.7  | 20.0 | 7.0  | 3.5            | 1.0            | 1.3            | 1000      |
| 0130270000VR  | M5 x 0.8  | 8.0  | 9.0  | 4.5            | 1.1            | 1.4            | 1000      |
| 0130280000VR  | M5 x 0.8  | 10.0 | 9.0  | 4.5            | 1.1            | 1.4            | 1000      |
| 0130310000VR  | M5 x 0.8  | 16.0 | 9.0  | 4.5            | 1.1            | 1.4            | 1000      |
| 0130330000VR  | M5 x 0.8  | 20.0 | 9.0  | 4.5            | 1.1            | 1.4            | 1000      |
| 0130390000VR  | M6 x 1.0  | 6.5  | 10.0 | 5.0            | 1.6            | 1.6            | 1000      |
| 0130410000VR  | M6 x 1.0  | 8.0  | 10.0 | 5.0            | 1.6            | 1.6            | 1000      |
| 0130420000VR  | M6 x 1.0  | 10.0 | 10.0 | 5.0            | 1.6            | 1.6            | 1000      |
| 0130450000VR  | M6 x 1.0  | 16.0 | 10.0 | 5.0            | 1.6            | 1.6            | 1000      |
| 0130460000VR  | M6 x 1.0  | 20.0 | 10.0 | 5.0            | 1.6            | 1.6            | 1000      |
| 0130470000VR  | M6 x 1.0  | 22.0 | 10.0 | 5.0            | 1.6            | 1.6            | 1000      |
| 0130480000VR  | M6 x 1.0  | 25.0 | 10.0 | 5.0            | 1.6            | 1.6            | 1000      |
| 0130500000VR  | M6 x 1.0  | 30.0 | 10.0 | 5.0            | 1.6            | 1.6            | 1000      |

## Flachkopfschrauben mit Schlitz

SR 1952

Nylon 6.6, natur

• Maßtoleranzen ähnlich ISO 1580, NF E 25-128, DIN ISO 1580, DIN 85



| Artikelnummer | Maße (mm)   |      |     |                |                |                | Stück/VPE |
|---------------|-------------|------|-----|----------------|----------------|----------------|-----------|
|               | d           | l    | D   | l <sub>1</sub> | d <sub>1</sub> | l <sub>2</sub> |           |
| 0121750000VR  | M2 x 0.4    | 4.0  | 3.8 | 1.3            | 0.6            | 0.6            | 1000      |
| 0120010000VR  | M2 x 0.4    | 5.0  | 4.0 | 1.3            | 0.5            | 0.5            | 1000      |
| 0121760000VR  | M2 x 0.4    | 6.0  | 3.8 | 1.3            | 0.6            | 0.6            | 1000      |
| 0121770000VR  | M2 x 0.4    | 8.0  | 3.8 | 1.3            | 0.6            | 0.6            | 1000      |
| 0121450000VR  | M2 x 0.4    | 10.0 | 3.8 | 1.3            | 0.6            | 0.6            | 1000      |
| 0121380000VR  | M2 x 0.4    | 12.0 | 3.8 | 1.3            | 0.6            | 0.6            | 1000      |
| 0120030000VR  | M2 x 0.4    | 16.0 | 5.0 | 1.3            | 0.5            | 0.5            | 1000      |
| 0121320000VR  | M2 x 0.4    | 20.0 | 3.8 | 1.3            | 0.6            | 0.6            | 1000      |
| 0120040000VR  | M2.5 x 0.45 | 4.5  | 5.0 | 1.5            | 0.6            | 0.6            | 1000      |
| 0121350000VR  | M2.5 x 0.45 | 6.0  | 4.5 | 1.6            | 0.7            | 0.8            | 1000      |
| 0121500000VR  | M2.5 x 0.45 | 8.0  | 4.5 | 1.6            | 0.7            | 0.8            | 1000      |
| 0121460000VR  | M2.5 x 0.45 | 10.0 | 4.5 | 1.6            | 0.7            | 0.8            | 1000      |
| 0121640000VR  | M2.5 x 0.45 | 12.0 | 4.5 | 1.6            | 0.7            | 0.8            | 1000      |
| 0121310000VR  | M2.5 x 0.45 | 16.0 | 4.5 | 1.6            | 0.7            | 0.8            | 1000      |
| 0121440000VR  | M2.5 x 0.45 | 25.0 | 4.5 | 1.6            | 0.7            | 0.8            | 1000      |
| 0120060000VR  | M3 x 0.5    | 4.0  | 5.9 | 1.8            | 0.8            | 0.7            | 1000      |
| 0121100000VR  | M3 x 0.5    | 5.0  | 5.9 | 1.8            | 0.8            | 0.7            | 1000      |
| 0120070000VR  | M3 x 0.5    | 6.0  | 5.9 | 1.8            | 0.8            | 0.7            | 1000      |
| 0120080000VR  | M3 x 0.5    | 8.0  | 5.9 | 1.8            | 0.8            | 0.7            | 1000      |
| 0120090000VR  | M3 x 0.5    | 10.0 | 5.9 | 1.8            | 0.8            | 0.7            | 1000      |
| 0120100000VR  | M3 x 0.5    | 12.0 | 6.0 | 1.8            | 0.8            | 0.7            | 1000      |
| 0120120000VR  | M3 x 0.5    | 16.0 | 5.9 | 1.8            | 0.8            | 0.7            | 1000      |
| 0120130000VR  | M3 x 0.5    | 20.0 | 5.9 | 1.8            | 0.8            | 0.7            | 1000      |
| 0120140000VR  | M3 x 0.5    | 25.0 | 5.9 | 1.8            | 0.8            | 0.7            | 1000      |
| 0120150000VR  | M3 x 0.5    | 30.0 | 5.5 | 2.0            | 0.9            | 0.8            | 1000      |
| 0121780000VR  | M3 x 0.5    | 35.0 | 5.5 | 2.0            | 0.9            | 0.8            | 1000      |
| 0121790000VR  | M3 x 0.5    | 40.0 | 5.5 | 2.0            | 0.9            | 0.8            | 1000      |
| 0120160000VR  | M4 x 0.7    | 6.0  | 8.0 | 2.4            | 1.2            | 1.0            | 1000      |
| 0120170000VR  | M4 x 0.7    | 8.0  | 8.0 | 2.4            | 1.2            | 1.0            | 1000      |
| 0120180000VR  | M4 x 0.7    | 10.0 | 8.0 | 2.4            | 1.2            | 1.0            | 1000      |
| 0120190000VR  | M4 x 0.7    | 12.0 | 8.0 | 2.4            | 1.2            | 1.0            | 1000      |
| 0120210000VR  | M4 x 0.7    | 16.0 | 8.0 | 2.4            | 1.2            | 1.0            | 1000      |
| 0120220000VR  | M4 x 0.7    | 20.0 | 8.0 | 2.4            | 1.2            | 1.0            | 1000      |
| 0120230000VR  | M4 x 0.7    | 25.0 | 8.0 | 2.4            | 1.2            | 1.0            | 1000      |
| 0120240000VR  | M4 x 0.7    | 30.0 | 8.0 | 2.4            | 1.2            | 1.0            | 1000      |
| 0120250000VR  | M4 x 0.7    | 40.0 | 8.0 | 2.4            | 1.2            | 1.0            | 1000      |
| 0120260000VR  | M5 x 0.8    | 6.0  | 9.8 | 3.0            | 1.2            | 1.2            | 1000      |
| 0120270000VR  | M5 x 0.8    | 8.0  | 9.8 | 3.0            | 1.2            | 1.2            | 1000      |

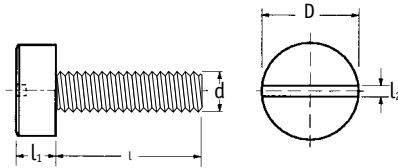
| Artikelnummer | Maße (mm) |      |      |                |                |                | Stück/VPE |
|---------------|-----------|------|------|----------------|----------------|----------------|-----------|
|               | d         | l    | D    | l <sub>1</sub> | d <sub>1</sub> | l <sub>2</sub> |           |
| 0120280000VR  | M5 x 0.8  | 10.0 | 9.8  | 3.0            | 1.2            | 1.2            | 1000      |
| 0120290000VR  | M5 x 0.8  | 12.0 | 9.8  | 3.0            | 1.2            | 1.2            | 1000      |
| 0120310000VR  | M5 x 0.8  | 16.0 | 9.8  | 3.0            | 1.2            | 1.2            | 1000      |
| 0120330000VR  | M5 x 0.8  | 20.0 | 9.8  | 3.0            | 1.2            | 1.2            | 1000      |
| 0120340000VR  | M5 x 0.8  | 25.0 | 9.8  | 3.0            | 1.2            | 1.2            | 1000      |
| 0120350000VR  | M5 x 0.8  | 30.0 | 9.8  | 3.0            | 1.2            | 1.2            | 1000      |
| 0120360000VR  | M5 x 0.8  | 40.0 | 9.8  | 3.0            | 1.2            | 1.2            | 1000      |
| 0121420000VR  | M6 x 1.0  | 5.0  | 12.0 | 3.6            | 1.6            | 1.4            | 1000      |
| 0120390000VR  | M6 x 1.0  | 6.5  | 12.0 | 3.6            | 1.6            | 1.4            | 1000      |
| 0120410000VR  | M6 x 1.0  | 8.0  | 12.0 | 3.6            | 1.6            | 1.4            | 1000      |
| 0120420000VR  | M6 x 1.0  | 10.0 | 12.0 | 3.6            | 1.6            | 1.4            | 1000      |
| 0120430000VR  | M6 x 1.0  | 12.0 | 12.0 | 3.6            | 1.6            | 1.4            | 1000      |
| 0120450000VR  | M6 x 1.0  | 16.0 | 12.0 | 3.6            | 1.6            | 1.4            | 1000      |
| 0120460000VR  | M6 x 1.0  | 20.0 | 12.0 | 3.6            | 1.6            | 1.4            | 1000      |
| 0120480000VR  | M6 x 1.0  | 25.0 | 12.0 | 3.6            | 1.6            | 1.4            | 1000      |
| 0120500000VR  | M6 x 1.0  | 30.0 | 12.0 | 3.6            | 1.6            | 1.4            | 1000      |
| 0120520000VR  | M6 x 1.0  | 40.0 | 12.0 | 3.6            | 1.6            | 1.4            | 1000      |
| 0120530000VR  | M6 x 1.0  | 50.0 | 12.0 | 3.6            | 1.6            | 1.4            | 500       |
| 0120550000VR  | M6 x 1.0  | 60.0 | 12.0 | 3.6            | 1.6            | 1.4            | 500       |
| 0120590000VR  | M6 x 1.0  | 80.0 | 12.0 | 3.6            | 1.6            | 1.4            | 500       |
| 0120650000VR  | M8 x 1.25 | 10.0 | 16.0 | 4.8            | 2.0            | 1.9            | 1000      |
| 0120680000VR  | M8 x 1.25 | 16.0 | 16.0 | 4.8            | 2.0            | 1.9            | 1000      |
| 0120690000VR  | M8 x 1.25 | 20.0 | 16.0 | 4.8            | 2.0            | 1.9            | 1000      |
| 0120700000VR  | M8 x 1.25 | 25.0 | 16.0 | 4.8            | 2.0            | 1.9            | 1000      |
| 0120710000VR  | M8 x 1.25 | 30.0 | 16.0 | 4.8            | 2.0            | 1.9            | 1000      |
| 0120720000VR  | M8 x 1.25 | 35.0 | 16.0 | 4.8            | 2.0            | 1.9            | 1000      |
| 0120730000VR  | M8 x 1.25 | 40.0 | 16.0 | 4.8            | 2.0            | 1.9            | 1000      |
| 0120740000VR  | M8 x 1.25 | 50.0 | 16.0 | 4.8            | 2.0            | 1.9            | 500       |
| 0120750000VR  | M8 x 1.25 | 60.0 | 16.0 | 4.8            | 2.0            | 1.9            | 500       |
| 0120760000VR  | M8 x 1.25 | 80.0 | 16.0 | 4.8            | 2.0            | 1.9            | 1000      |
| 0121850000VR  | M10 x 1.5 | 16.0 | 20.0 | 6.0            | 2.5            | 2.4            | 500       |
| 0120860000VR  | M10 x 1.5 | 20.0 | 20.0 | 6.0            | 2.5            | 2.4            | 500       |
| 0120880000VR  | M10 x 1.5 | 30.0 | 20.0 | 6.0            | 2.5            | 2.4            | 500       |
| 0120890000VR  | M10 x 1.5 | 40.0 | 20.0 | 6.0            | 2.5            | 2.4            | 500       |
| 0120930000VR  | M10 x 1.5 | 80.0 | 20.0 | 6.0            | 2.5            | 2.4            | 250       |

## Zylinderschrauben mit Schlitz

SR 1951

Nylon 6.6, natur

- Maßtoleranzen ähnlich ISO 1207, NF E 25-127, DIN 84
- Online sind weitere Größen erhältlich
- Schwarze Schrauben / VPE = 100



| Artikelnummer |              | Maße (mm)   |    |     |                |                |      | Stück/VPE |
|---------------|--------------|-------------|----|-----|----------------|----------------|------|-----------|
| Natur         | Schwarz      | d           | D  | H   | l <sub>1</sub> | l <sub>2</sub> |      |           |
| 0010010000VR  | -            | M2 x 0.4    | 4  | 3.8 | 1.3            | 0.5            | 1000 |           |
| 0010020000VR  | -            | M2 x 0.4    | 5  | 3.8 | 1.3            | 0.5            | 1000 |           |
| 0010030000VR  | -            | M2 x 0.4    | 6  | 3.8 | 1.3            | 0.5            | 1000 |           |
| 0010040000VR  | -            | M2 x 0.4    | 8  | 3.8 | 1.3            | 0.5            | 1000 |           |
| 0011450000VR  | -            | M2 x 0.4    | 10 | 3.8 | 1.3            | 0.5            | 1000 |           |
| 0011380000VR  | -            | M2 x 0.4    | 12 | 3.8 | 1.3            | 0.7            | 1000 |           |
| 0011370000VR  | -            | M2 x 0.4    | 16 | 3.8 | 1.3            | 0.7            | 1000 |           |
| 0011320000VR  | -            | M2 x 0.4    | 20 | 3.8 | 1.3            | 0.7            | 1000 |           |
| 0011330000VR  | -            | M2 x 0.4    | 25 | 3.8 | 1.3            | 0.7            | 1000 |           |
| 0011350000VR  | -            | M2.5 x 0.45 | 6  | 4.5 | 1.6            | 0.6            | 1000 |           |
| 0011500000VR  | -            | M2.5 x 0.45 | 8  | 4.5 | 1.6            | 0.6            | 1000 |           |
| 0011460000VR  | -            | M2.5 x 0.45 | 10 | 4.5 | 1.6            | 0.6            | 1000 |           |
| 0011640000VR  | -            | M2.5 x 0.45 | 12 | 4.5 | 1.6            | 0.6            | 1000 |           |
| 0011310000VR  | -            | M2.5 x 0.45 | 16 | 4.5 | 1.6            | 0.6            | 1000 |           |
| 0011430000VR  | -            | M2.5 x 0.45 | 20 | 4.5 | 1.6            | 0.8            | 1000 |           |
| 0011440000VR  | -            | M2.5 x 0.45 | 25 | 4.5 | 1.6            | 0.8            | 1000 |           |
| 0010060000VR  | -            | M3 x 0.5    | 4  | 5.5 | 2              | 0.8            | 1000 |           |
| 0011390000VR  | -            | M3 x 0.5    | 5  | 5.5 | 2              | 0.8            | 1000 |           |
| 0010070000VR  | 0010070001VR | M3 x 0.5    | 6  | 5.5 | 2              | 0.8            | 1000 |           |
| 0010080000VR  | 0010080001VR | M3 x 0.5    | 8  | 5.5 | 2              | 0.8            | 1000 |           |
| 0010090000VR  | 0010090001VR | M3 x 0.5    | 10 | 5.5 | 2              | 0.8            | 1000 |           |
| 0010100000VR  | -            | M3 x 0.5    | 12 | 5.5 | 2              | 0.8            | 1000 |           |
| 0010120000VR  | 0010120001VR | M3 x 0.5    | 16 | 5.5 | 2              | 0.8            | 1000 |           |
| 0010130000VR  | 0010160001VR | M3 x 0.5    | 20 | 5.5 | 2              | 0.8            | 1000 |           |
| 0010140000VR  | -            | M3 x 0.5    | 25 | 5.5 | 2              | 0.8            | 1000 |           |
| 0010150000VR  | -            | M3 x 0.5    | 30 | 5.5 | 2              | 0.8            | 1000 |           |
| 0011178000VR  | -            | M3 x 0.5    | 35 | 6   | 2.4            | 1              | 1000 |           |
| 0011179000VR  | -            | M3 x 0.5    | 40 | 6   | 2.4            | 1              | 1000 |           |
| 0010160000VR  | 0010160001VR | M4 x 0.7    | 6  | 7   | 2.6            | 1.2            | 1000 |           |
| 0010170000VR  | -            | M4 x 0.7    | 8  | 7   | 2.6            | 1.2            | 1000 |           |
| 0010180000VR  | 0010180001VR | M4 x 0.7    | 10 | 7   | 2.6            | 1.2            | 1000 |           |
| 0010190000VR  | -            | M4 x 0.7    | 12 | 7   | 2.6            | 1.2            | 1000 |           |
| 0010210000VR  | 0010210001VR | M4 x 0.7    | 16 | 7   | 2.6            | 1.2            | 1000 |           |
| 0010220000VR  | 0010220001VR | M4 x 0.7    | 20 | 7   | 2.6            | 1.2            | 1000 |           |
| 0010230000VR  | -            | M4 x 0.7    | 25 | 7   | 2.6            | 1.2            | 1000 |           |
| 0010240000VR  | 0010240001VR | M4 x 0.7    | 30 | 7   | 2.6            | 1.2            | 1000 |           |
| 0010250000VR  | -            | M4 x 0.7    | 40 | 7   | 2.6            | 1.2            | 1000 |           |
| 0010260000VR  | -            | M5 x 0.8    | 6  | 8.5 | 3.3            | 1.2            | 1000 |           |
| 0010270000VR  | -            | M5 x 0.8    | 8  | 8.5 | 3.3            | 1.2            | 1000 |           |
| 0010280000VR  | 0010280001VR | M5 x 0.8    | 10 | 8.5 | 3.3            | 1.2            | 1000 |           |
| 0010290000VR  | -            | M5 x 0.8    | 12 | 8.5 | 3.3            | 1.2            | 1000 |           |
| 0010310000VR  | 0010310001VR | M5 x 0.8    | 16 | 8.5 | 3.3            | 1.2            | 1000 |           |
| 0010330000VR  | 0010330001VR | M5 x 0.8    | 20 | 8.5 | 3.3            | 1.2            | 1000 |           |
| 0010340000VR  | 0010340001VR | M5 x 0.8    | 25 | 8.5 | 3.3            | 1.2            | 1000 |           |
| 0010350000VR  | 0010350001VR | M5 x 0.8    | 30 | 8.5 | 3.3            | 1.2            | 1000 |           |

| Artikelnummer |              | Maße (mm)  |     |     |                |                |      | Stück/VPE |
|---------------|--------------|------------|-----|-----|----------------|----------------|------|-----------|
| Natur         | Schwarz      | d          | D   | H   | l <sub>1</sub> | l <sub>2</sub> |      |           |
| 0010360000VR  | 0010360001VR | M5 x 0.8   | 40  | 8.5 | 3.3            | 1.2            | 1000 |           |
| 0010370000VR  | -            | M5 x 0.8   | 50  | 8.5 | 3.3            | 1.2            | 1000 |           |
| 0010380000VR* | -            | M5 x 0.8   | 70  | 8.5 | 3.3            | 1.2            | 1000 |           |
| 0010390000VR  | -            | M6 x 1.0   | 6.5 | 10  | 3.9            | 1.6            | 1000 |           |
| 0010410000VR  | 0010410001VR | M6 x 1.0   | 8   | 10  | 3.9            | 1.6            | 1000 |           |
| 0010420000VR  | 0010420001VR | M6 x 1.0   | 10  | 10  | 3.9            | 1.6            | 1000 |           |
| 0010430000VR  | 0010430001VR | M6 x 1.0   | 12  | 10  | 3.9            | 1.6            | 1000 |           |
| 0010450000VR  | 0010450001VR | M6 x 1.0   | 16  | 10  | 3.9            | 1.6            | 1000 |           |
| 0010460000VR  | 0010460001VR | M6 x 1.0   | 20  | 10  | 3.9            | 1.6            | 1000 |           |
| 0010470000VR  | -            | M6 x 1.0   | 22  | 10  | 3.9            | 1.6            | 1000 |           |
| 0010480000VR  | -            | M6 x 1.0   | 25  | 10  | 3.9            | 1.6            | 1000 |           |
| 0010500000VR  | 0010500001VR | M6 x 1.0   | 30  | 10  | 3.9            | 1.6            | 1000 |           |
| 0010520000VR  | -            | M6 x 1.0   | 40  | 10  | 3.9            | 1.6            | 1000 |           |
| 0010530000VR  | -            | M6 x 1.0   | 50  | 10  | 3.9            | 1.6            | 1000 |           |
| 0010550000VR  | -            | M6 x 1.0   | 60  | 10  | 3.9            | 1.6            | 1000 |           |
| 0011280000VR  | -            | M6 x 1.0   | 70  | 10  | 3.9            | 1.6            | 500  |           |
| 0010570000VR  | -            | M6 x 1.0   | 80  | 10  | 3.9            | 1.6            | 1000 |           |
| 0010640000VR  | -            | M8 x 1.25  | 8   | 13  | 5              | 2              | 1000 |           |
| 0010650000VR  | 0010650001VR | M8 x 1.25  | 10  | 13  | 5              | 2              | 1000 |           |
| 0010680000VR  | 0010680001VR | M8 x 1.25  | 16  | 13  | 5              | 2              | 1000 |           |
| 0010690000VR  | 0010690001VR | M8 x 1.25  | 20  | 13  | 5              | 2              | 1000 |           |
| 0010700000VR  | -            | M8 x 1.25  | 25  | 13  | 5              | 2              | 1000 |           |
| 0010710000VR  | 0010710001VR | M8 x 1.25  | 30  | 13  | 5              | 2              | 1000 |           |
| 0010720000VR  | -            | M8 x 1.25  | 35  | 13  | 5              | 2              | 1000 |           |
| 0010730000VR  | 0010730001VR | M8 x 1.25  | 40  | 13  | 5              | 2              | 1000 |           |
| 0010740000VR  | -            | M8 x 1.25  | 50  | 13  | 5              | 2              | 500  |           |
| 0010750000VR  | -            | M8 x 1.25  | 60  | 13  | 5              | 2              | 500  |           |
| 0011480000VR  | -            | M8 x 1.25  | 70  | 13  | 5              | 2              | 500  |           |
| 0010770000VR  | -            | M8 x 1.25  | 80  | 13  | 5              | 2              | 100  |           |
| 0011850000VR  | -            | M10 x 1.5  | 16  | 16  | 6              | 2.5            | 500  |           |
| 0010860000VR  | 0010860001VR | M10 x 1.5  | 20  | 16  | 6              | 2.5            | 500  |           |
| 0010880000VR  | -            | M10 x 1.5  | 30  | 16  | 6              | 2.5            | 500  |           |
| 0010890000VR  | -            | M10 x 1.5  | 40  | 16  | 6              | 2.5            | 500  |           |
| 0010900000VR  | -            | M10 x 1.5  | 50  | 16  | 6              | 2.5            | 250  |           |
| 0010910000VR  | -            | M10 x 1.5  | 60  | 16  | 6              | 2.5            | 250  |           |
| 0010920000VR  | -            | M10 x 1.5  | 70  | 16  | 6              | 2.5            | 250  |           |
| 0011020000VR  | -            | M12 x 1.75 | 40  | 19  | 8              | 2.5            | 500  |           |
| 0011030000VR  | -            | M12 x 1.75 | 50  | 19  | 8              | 2.5            | 1000 |           |
| 0011860000VR  | -            | M16 x 2.0  | 40  | 23  | 9.5            | 4.5            | 500  |           |
| 0011180000VR  | -            | M16 x 2.0  | 50  | 23  | 9.5            | 4.5            | 250  |           |

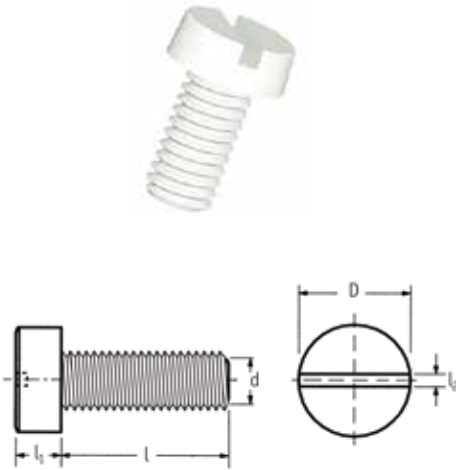
\* mit Teilgewinde

## Zylinderschrauben mit Schlitz - PP

SR 1904

Polypropylen, natur

- Maßtoleranzen ähnlich ISO 1207, NF E 25-127, DIN 84



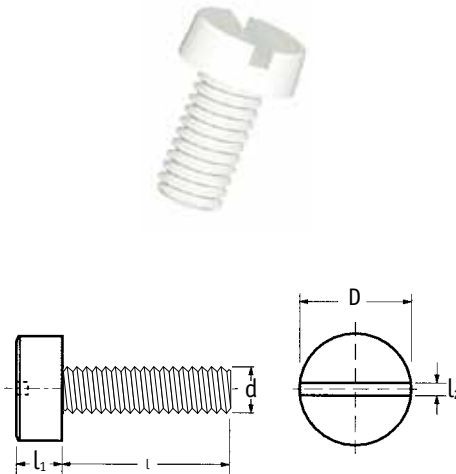
| Artikelnummer | Maße (mm) |      |      |                |                | Stück/VPE |
|---------------|-----------|------|------|----------------|----------------|-----------|
|               | d         | l    | D    | l <sub>1</sub> | l <sub>2</sub> |           |
| 0010090300VR  | M3 x 0.5  | 10.0 | 5.5  | 2.0            | 0.8            | 100       |
| 0010120300VR  | M3 x 0.5  | 16.0 | 5.5  | 2.0            | 0.8            | 100       |
| 0010130300VR  | M3 x 0.5  | 20.0 | 5.5  | 2.0            | 0.8            | 100       |
| 0010160300VR  | M4 x 0.7  | 6.0  | 7.0  | 2.6            | 1.2            | 100       |
| 0010180300VR  | M4 x 0.7  | 10.0 | 7.0  | 2.6            | 1.2            | 100       |
| 0010210300VR  | M4 x 0.7  | 16.0 | 7.0  | 2.6            | 1.2            | 100       |
| 0010220300VR  | M4 x 0.7  | 20.0 | 7.0  | 2.6            | 1.2            | 100       |
| 0010240300VR  | M4 x 0.7  | 30.0 | 7.0  | 2.6            | 1.2            | 100       |
| 0010280300VR  | M5 x 0.8  | 10.0 | 8.5  | 3.3            | 1.2            | 100       |
| 0010310300VR  | M5 x 0.8  | 16.0 | 8.5  | 3.3            | 1.2            | 100       |
| 0010330300VR  | M5 x 0.8  | 20.0 | 8.5  | 3.3            | 1.2            | 100       |
| 0010340300VR  | M5 x 0.8  | 25.0 | 8.5  | 3.3            | 1.2            | 100       |
| 0010350300VR  | M5 x 0.8  | 30.0 | 8.5  | 3.3            | 1.2            | 100       |
| 0010360300VR  | M5 x 0.8  | 40.0 | 8.5  | 3.3            | 1.2            | 100       |
| 0010410300VR  | M6 x 1.0  | 8.0  | 10.0 | 3.9            | 1.6            | 100       |
| 0010420300VR  | M6 x 1.0  | 10.0 | 10.0 | 3.9            | 1.6            | 100       |
| 0010450300VR  | M6 x 1.0  | 16.0 | 10.0 | 3.9            | 1.6            | 100       |
| 0010460300VR  | M6 x 1.0  | 20.0 | 10.0 | 3.9            | 1.6            | 100       |
| 0010480300VR  | M6 x 1.0  | 25.0 | 10.0 | 3.9            | 1.6            | 100       |
| 0010500300VR  | M6 x 1.0  | 30.0 | 10.0 | 3.9            | 1.6            | 100       |
| 0010650300VR  | M8 x 1.25 | 10.0 | 13.0 | 5.0            | 2.0            | 100       |
| 0010680300VR  | M8 x 1.25 | 16.0 | 13.0 | 5.0            | 2.0            | 100       |
| 0010690300VR  | M8 x 1.25 | 20.0 | 13.0 | 5.0            | 2.0            | 100       |
| 0010710300VR  | M8 x 1.25 | 30.0 | 13.0 | 5.0            | 2.0            | 100       |
| 0010730300VR  | M8 x 1.25 | 40.0 | 13.0 | 5.0            | 2.0            | 100       |
| 0010860300VR  | M10x 1.5  | 20.0 | 16.0 | 6.0            | 2.5            | 100       |
| 0010890300VR  | M10x 1.5  | 40.0 | 16.0 | 6.0            | 2.5            | 100       |

## Zylinderschrauben mit Schlitz - PVDF

SR 1903

PVDF, natur

- Maßtoleranzen ähnlich ISO 1207, NF E 25-127, DIN 84



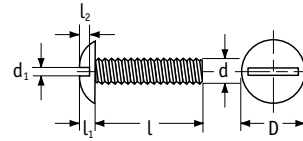
| Artikelnummer | Maße (mm) |      |      |                |                | Stück/VPE |
|---------------|-----------|------|------|----------------|----------------|-----------|
|               | d         | l    | D    | l <sub>1</sub> | l <sub>2</sub> |           |
| 0010090500VR  | M3 x 0.5  | 10.0 | 5.5  | 2.0            | 0.8            | 100       |
| 0010120500VR  | M3 x 0.5  | 16.0 | 5.5  | 2.0            | 0.8            | 100       |
| 0010130500VR  | M3 x 0.5  | 20.0 | 5.5  | 2.0            | 0.8            | 100       |
| 0010160500VR  | M4 x 0.7  | 6.0  | 7.0  | 2.6            | 1.2            | 100       |
| 0010180500VR  | M4 x 0.7  | 10.0 | 7.0  | 2.6            | 1.2            | 100       |
| 0010210500VR  | M4 x 0.7  | 16.0 | 7.0  | 2.6            | 1.2            | 100       |
| 0010220500VR  | M4 x 0.7  | 20.0 | 7.0  | 2.6            | 1.2            | 100       |
| 0010240500VR  | M4 x 0.7  | 30.0 | 7.0  | 2.6            | 1.2            | 100       |
| 0010280500VR  | M5 x 0.8  | 10.0 | 8.5  | 3.3            | 1.2            | 100       |
| 0010310500VR  | M5 x 0.8  | 16.0 | 8.5  | 3.3            | 1.2            | 100       |
| 0010330500VR  | M5 x 0.8  | 20.0 | 8.5  | 3.3            | 1.2            | 100       |
| 0010340500VR  | M5 x 0.8  | 25.0 | 8.5  | 3.3            | 1.2            | 100       |
| 0010350500VR  | M5 x 0.8  | 30.0 | 8.5  | 3.3            | 1.2            | 100       |
| 0010360500VR  | M5 x 0.8  | 40.0 | 8.5  | 3.3            | 1.2            | 100       |
| 0010410500VR  | M6 x 1.0  | 8.0  | 10.0 | 3.9            | 1.6            | 100       |
| 0010420500VR  | M6 x 1.0  | 10.0 | 10.0 | 3.9            | 1.6            | 100       |
| 0010450500VR  | M6 x 1.0  | 16.0 | 10.0 | 3.9            | 1.6            | 100       |
| 0010460500VR  | M6 x 1.0  | 20.0 | 10.0 | 3.9            | 1.6            | 100       |
| 0010480500VR  | M6 x 1.0  | 25.0 | 10.0 | 3.9            | 1.6            | 100       |
| 0010500500VR  | M6 x 1.0  | 30.0 | 10.0 | 3.9            | 1.6            | 100       |

## Flachrundschrauben mit Kreuzschlitz

SR 1971

Nylon 6.6, natur

- Maßtoleranzen ähnlich NF E 25-129



| Artikelnummer |              | Maße (mm) |      |      |     |     |     | Stück/VPE |
|---------------|--------------|-----------|------|------|-----|-----|-----|-----------|
| Natur         | Schwarz      | d         | l    | D    | H   | l1  | l2  |           |
| 0170650000VR  | 0170650001VR | M8 x 1.25 | 10.0 | 20.0 | 4.4 | 2.0 | 2.0 | 1000      |
| 0870690000VR  | 0870690001VR | M8 x 1.25 | 20.0 | 20.0 | 4.4 | 2.0 | 2.0 | 1000      |
| 0870700000VR  | 1287345      | M8 x 1.25 | 25.0 | 20.0 | 4.4 | 2.0 | 2.0 | 1000      |
| 0870710000VR  | 0870710001VR | M8 x 1.25 | 30.0 | 20.0 | 4.4 | 2.0 | 2.0 | 1000      |

## Flachrundschrauben mit Schlitz

SR 1971

Nylon 6.6, natur

- Maßtoleranzen ähnlich NF E 25-129
- Schwarze Schrauben / VPE = 100



| Artikelnummer |              | Maße (mm) |     |    |     |     |     | Stück/VPE |
|---------------|--------------|-----------|-----|----|-----|-----|-----|-----------|
| Natur         | Schwarz      | d         | l   | D  | H   | l1  | l2  |           |
| 0170160000VR  | -            | M4 x 0.7  | 6   | 9  | 2.2 | 2.2 | 1.2 | 1000      |
| 0170170000VR  | -            | M4 x 0.7  | 8   | 9  | 2.2 | 2.2 | 1.2 | 1000      |
| 0170180000VR  | 0170180001VR | M4 x 0.7  | 10  | 9  | 2.2 | 2.2 | 1.2 | 1000      |
| 0170190000VR  | -            | M4 x 0.7  | 12  | 9  | 2.2 | 2.2 | 1.2 | 1000      |
| 0170210000VR  | 0170210001VR | M4 x 0.7  | 16  | 9  | 2.2 | 2.2 | 1.2 | 1000      |
| 0170220000VR  | 0170220001VR | M4 x 0.7  | 20  | 9  | 2.2 | 2.2 | 1.2 | 1000      |
| 0170270000VR  | -            | M5 x 0.8  | 8   | 11 | 2.7 | 2.7 | 1.2 | 1000      |
| 0170280000VR  | 0170280001VR | M5 x 0.8  | 10  | 11 | 2.7 | 2.7 | 1.2 | 1000      |
| 0170290000VR  | -            | M5 x 0.8  | 12  | 11 | 2.7 | 2.7 | 1.2 | 1000      |
| 0170310000VR  | 0170310001VR | M5 x 0.8  | 16  | 11 | 2.7 | 2.7 | 1.2 | 1000      |
| 0170330000VR  | 0170330001VR | M5 x 0.8  | 20  | 11 | 2.7 | 2.7 | 1.2 | 1000      |
| 0170340000VR  | -            | M5 x 0.8  | 25  | 11 | 2.7 | 2.7 | 1.2 | 1000      |
| 0170350000VR  | 0170350001VR | M5 x 0.8  | 30  | 11 | 2.7 | 2.7 | 1.2 | 1000      |
| 0170360000VR  | -            | M5 x 0.8  | 40  | 11 | 2.7 | 2.7 | 1.2 | 1000      |
| 0170390000VR  | -            | M6 x 1.0  | 6.5 | 14 | 3.3 | 3.3 | 1.6 | 1000      |
| 0170410000VR  | -            | M6 x 1.0  | 8   | 14 | 3.3 | 3.3 | 1.6 | 1000      |
| 0170420000VR  | 0170420001VR | M6 x 1.0  | 10  | 14 | 3.3 | 3.3 | 1.6 | 1000      |
| 0170430000VR  | -            | M6 x 1.0  | 12  | 14 | 3.3 | 3.3 | 1.6 | 1000      |
| 0170450000VR  | 0170450001VR | M6 x 1.0  | 16  | 14 | 3.3 | 3.3 | 1.6 | 1000      |
| 0170460000VR  | 0170460001VR | M6 x 1.0  | 20  | 14 | 3.3 | 3.3 | 1.6 | 1000      |
| 0170470000VR  | -            | M6 x 1.0  | 22  | 14 | 3.3 | 3.3 | 1.6 | 1000      |
| 0170480000VR  | -            | M6 x 1.0  | 25  | 14 | 3.3 | 3.3 | 1.6 | 1000      |
| 0170500000VR  | 0170500001VR | M6 x 1.0  | 30  | 14 | 3.3 | 3.3 | 1.6 | 1000      |
| 0170520000VR  | 0170520001VR | M6 x 1.0  | 40  | 14 | 3.3 | 3.3 | 1.6 | 1000      |
| 0170530000VR  | -            | M6 x 1.0  | 50  | 14 | 3.3 | 3.3 | 6   | 500       |
| 0170540000VR  | -            | M6 x 1.0  | 60  | 14 | 3.3 | 3.3 | 1.6 | 500       |
| 0170560000VR  | -            | M6 x 1.0  | 80  | 14 | 3.3 | 3.3 | 1.6 | 500       |
| 0170680000VR  | 0170680001VR | M8 x 1.25 | 16  | 20 | 4.4 | 4.4 | 2   | 1000      |
| 0170690000VR  | 0170690001VR | M8 x 1.25 | 20  | 20 | 4.4 | 4.4 | 2   | 1000      |
| 0170700000VR  | -            | M8 x 1.25 | 25  | 20 | 4.4 | 4.4 | 2   | 1000      |
| 0170710000VR  | 0170710001VR | M8 x 1.25 | 30  | 20 | 4.4 | 4.4 | 2   | 1000      |
| 0170720000VR  | -            | M8 x 1.25 | 35  | 20 | 4.4 | 4.4 | 2   | 1000      |



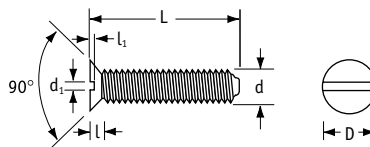
# SCHRAUBEN UND MUTTERN AUS NYLON

## Senkschrauben mit Schlitz

SR 1967

Nylon 6.6, natur

- Maßtoleranzen ähnlich ISO 2009, NF E 25-123, DIN 963
- Online sind weitere Größen erhältlich



| Artikelnummer |              | Maße (mm)   |    |     |     |                |                |      | Stück/VPE |
|---------------|--------------|-------------|----|-----|-----|----------------|----------------|------|-----------|
| Natürlich     | Schwarz      | d           | l  | D   | H   | l <sub>1</sub> | l <sub>2</sub> |      |           |
| 0100470000VR  | -            | M2 x 0.4    | 4  | 4   | 1.2 | 0.6            | 0.5            | 1000 |           |
| 0100380000VR  | -            | M2 x 0.4    | 5  | 4   | 1.2 | 0.6            | 0.5            | 1000 |           |
| 0100390000VR  | -            | M2 x 0.4    | 6  | 4   | 1.2 | 0.6            | 0.5            | 1000 |           |
| 0100750000VR  | -            | M2 x 0.4    | 8  | 4   | 1.2 | 0.6            | 0.5            | 1000 |           |
| 0100400000VR  | -            | M2 x 0.4    | 10 | 4   | 1.2 | 0.6            | 0.5            | 1000 |           |
| 0100550000VR  | -            | M2 x 0.4    | 12 | 4   | 1.2 | 0.6            | 0.5            | 1000 |           |
| 0100560000VR  | -            | M2 x 0.4    | 16 | 4   | 1.2 | 0.6            | 0.5            | 1000 |           |
| 0100570000VR  | -            | M2 x 0.4    | 25 | 4   | 1.2 | 0.6            | 0.5            | 1000 |           |
| 0100580000VR  | -            | M2.5 x 0.45 | 4  | 4.7 | 1.5 | 0.7            | 0.6            | 1000 |           |
| 0100590000VR  | -            | M2.5 x 0.45 | 5  | 4.7 | 1.5 | 0.7            | 0.6            | 1000 |           |
| 0100040000VR  | -            | M2.5 x 0.45 | 6  | 4.7 | 1.5 | 0.7            | 0.6            | 1000 |           |
| 0100600000VR  | -            | M2.5 x 0.45 | 8  | 4.7 | 1.5 | 0.7            | 0.6            | 1000 |           |
| 0100050000VR  | -            | M2.5 x 0.45 | 10 | 4.7 | 1.5 | 0.7            | 0.6            | 1000 |           |
| 0100620000VR  | -            | M2.5 x 0.45 | 16 | 4.7 | 1.5 | 0.7            | 0.6            | 1000 |           |
| 0100630000VR  | -            | M2.5 x 0.45 | 20 | 4.7 | 1.5 | 0.7            | 0.6            | 1000 |           |
| 0100640000VR  | -            | M2.5 x 0.45 | 25 | 4.7 | 1.5 | 0.7            | 0.6            | 1000 |           |
| 0100060000VR  | -            | M3 x 0.5    | 4  | 6   | 1.7 | 0.8            | 0.9            | 1000 |           |
| 0100070000VR  | -            | M3 x 0.5    | 6  | 6   | 1.7 | 0.8            | 0.9            | 1000 |           |
| 0100080000VR  | 0100080001VR | M3 x 0.5    | 8  | 6   | 1.7 | 0.8            | 0.9            | 1000 |           |
| 0100090000VR  | 0100090001VR | M3 x 0.5    | 10 | 6   | 1.7 | 0.8            | 0.9            | 1000 |           |
| 0100100000VR  | 0100100001VR | M3 x 0.5    | 12 | 6.3 | 1.7 | 0.8            | 0.9            | 1000 |           |
| 0100120000VR  | 0100120001VR | M3 x 0.5    | 16 | 6   | 1.7 | 0.8            | 0.9            | 1000 |           |
| 0100130000VR  | 0100130001VR | M3 x 0.5    | 20 | 6   | 1.7 | 0.8            | 0.9            | 1000 |           |
| 0100140000VR  | -            | M3 x 0.5    | 25 | 6.3 | 1.7 | 0.8            | 0.9            | 1000 |           |
| 0100650000VR  | -            | M3 x 0.5    | 30 | 5.6 | 1.7 | 0.9            | 0.7            | 1000 |           |
| 0100660000VR  | -            | M3 x 0.5    | 40 | 5.6 | 1.7 | 0.9            | 0.7            | 1000 |           |
| 0100160000VR  | -            | M4 x 0.7    | 6  | 7.8 | 2.7 | 1.2            | 1.3            | 1000 |           |
| 0100170000VR  | -            | M4 x 0.7    | 8  | 7.8 | 2.7 | 1.2            | 1.3            | 1000 |           |
| 0100180000VR  | 0100180001VR | M4 x 0.7    | 10 | 7.8 | 2.7 | 1.2            | 1.3            | 1000 |           |
| 0100190000VR  | 0100190001VR | M4 x 0.7    | 12 | 7.8 | 2.7 | 1.2            | 1.3            | 1000 |           |
| 0100210000VR  | 0100210001VR | M4 x 0.7    | 16 | 7.8 | 2.7 | 1.2            | 1.3            | 1000 |           |
| 0100900000VR  | -            | M4 x 0.7    | 18 | 7.8 | 2.7 | 1.2            | 1.3            | 1000 |           |
| 0100220000VR  | 0100220001VR | M4 x 0.7    | 20 | 7.8 | 2.7 | 1.2            | 1.3            | 1000 |           |
| 0100230000VR  | -            | M4 x 0.7    | 25 | 7.8 | 2.7 | 1.2            | 1.3            | 1000 |           |
| 0100240000VR  | 0100240001VR | M4 x 0.7    | 30 | 7.8 | 2.7 | 1.2            | 1.3            | 1000 |           |

| Artikelnummer |              | Maße (mm) |    |      |     |                |                |      | Stück/VPE |
|---------------|--------------|-----------|----|------|-----|----------------|----------------|------|-----------|
| Natürlich     | Schwarz      | d         | l  | D    | H   | l <sub>1</sub> | l <sub>2</sub> |      |           |
| 0100790000VR  | -            | M4 x 0.7  | 35 | 7.8  | 2.7 | 1.2            | 1.3            | 1000 |           |
| 0100250000VR  | -            | M4 x 0.7  | 40 | 7.8  | 2.7 | 1.2            | 1.3            | 1000 |           |
| 0100810000VR  | -            | M5 x 0.8  | 8  | 10.3 | 2.5 | 1.4            | 1.2            | 1000 |           |
| *0100280000VR | 0100280001VR | M5 x 0.8  | 10 | 10   | 2.7 | 1.2            | 1.4            | 1000 |           |
| 0100290000VR  | -            | M5 x 0.8  | 12 | 9    | 2.7 | 1.2            | 1.4            | 1000 |           |
| 0100310000VR  | 0100310001VR | M5 x 0.8  | 16 | 10   | 2.7 | 1.2            | 1.4            | 1000 |           |
| 0100320000VR  | -            | M5 x 0.8  | 18 | 10.4 | 2.7 | 1.2            | 1.4            | 1000 |           |
| 0100330000VR  | 0100330001VR | M5 x 0.8  | 20 | 10   | 2.7 | 1.2            | 1.4            | 1000 |           |
| 0100340000VR  | -            | M5 x 0.8  | 25 | 10   | 2.7 | 1.2            | 1.4            | 1000 |           |
| 0100350000VR  | 0100350001VR | M5 x 0.8  | 30 | 9.2  | 2.7 | 1.2            | 1.4            | 1000 |           |
| 0100370000VR  | -            | M5 x 0.8  | 35 | 10.4 | 2.7 | 1.2            | 1.4            | 1000 |           |
| 0100360000VR  | 0100360001VR | M5 x 0.8  | 40 | 9.2  | 2.7 | 1.2            | 1.4            | 1000 |           |
| 0100870000VR  | -            | M5 x 0.8  | 60 | 9.2  | 2.7 | 1.2            | 1.4            | 500  |           |
| 0100410000VR  | -            | M6 x 1.0  | 8  | 11   | 3.3 | 1.6            | 1.6            | 1000 |           |
| 0100420000VR  | 0100420001VR | M6 x 1.0  | 10 | 11   | 3.3 | 1.6            | 1.6            | 1000 |           |
| 0100430000VR  | 0100430001VR | M6 x 1.0  | 12 | 11   | 3.3 | 1.6            | 1.6            | 1000 |           |
| 0100450000VR  | 0100450001VR | M6 x 1.0  | 16 | 11   | 3.3 | 1.6            | 1.6            | 1000 |           |
| 0100460000VR  | 0100460001VR | M6 x 1.0  | 20 | 11   | 3.3 | 1.6            | 1.6            | 1000 |           |
| 0100480000VR  | -            | M6 x 1.0  | 25 | 11   | 3.3 | 1.6            | 1.6            | 1000 |           |
| 0100500000VR  | 0100500001VR | M6 x 1.0  | 30 | 11   | 3.3 | 1.6            | 1.6            | 1000 |           |
| 0100520000VR  | 0100520001VR | M6 x 1.0  | 40 | 11   | 3.3 | 1.6            | 1.6            | 1000 |           |
| 0100530000VR  | -            | M6 x 1.0  | 50 | 11   | 3.3 | 1.6            | 1.6            | 500  |           |
| 0100540000VR  | 0100540001VR | M6 x 1.0  | 60 | 11   | 3.3 | 1.6            | 1.6            | 500  |           |
| 0100680000VR  | 0100680001VR | M8 x 1.25 | 16 | 14.5 | 4.7 | 2              | 2.3            | 1000 |           |
| 0100690000VR  | 0100690001VR | M8 x 1.25 | 20 | 14.5 | 4.7 | 2              | 2.3            | 1000 |           |
| 0100700000VR  | -            | M8 x 1.25 | 25 | 14.5 | 4.7 | 2              | 2.3            | 1000 |           |
| 0100710000VR  | 0100710001VR | M8 x 1.25 | 30 | 14.5 | 4.7 | 2              | 2.3            | 1000 |           |
| 0100730000VR  | -            | M8 x 1.25 | 40 | 14.5 | 4.7 | 2              | 2.3            | 1000 |           |
| 0100740000VR  | 0100740001VR | M8 x 1.25 | 50 | 14.5 | 4.7 | 2              | 2.3            | 500  |           |
| 0100760000VR  | -            | M8 x 1.25 | 60 | 14.5 | 4.7 | 2              | 2.3            | 500  |           |
| 0100820000VR  | -            | M10 x 1.5 | 20 | 18   | 5   | 2.6            | 2.3            | 500  |           |
| 0100830000VR  | -            | M10 x 1.5 | 25 | 18   | 5   | 2.6            | 2.3            | 1000 |           |
| 0100840000VR  | -            | M10 x 1.5 | 30 | 18   | 5   | 2.6            | 2.3            | 500  |           |
| 0100780000VR  | -            | M10 x 1.5 | 35 | 18   | 5   | 2.6            | 2.3            | 500  |           |
| 0100770000VR  | -            | M10 x 1.5 | 40 | 17.5 | 5   | 2.6            | 2.3            | 500  |           |
| 0100860000VR  | -            | M10 x 1.5 | 60 | 18   | 5   | 2.6            | 2.3            | 250  |           |

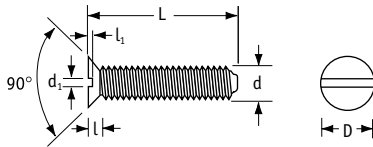
\*Artikel 0100280000VR entspricht nicht der DIN 963

## Senkschrauben mit Schlitz - PP

SR 1910

Polypropylen, natur

- Maßtoleranzen ähnlich ISO 2009, NF E 25-123, DIN 963



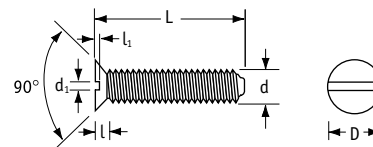
| Artikelnummer | Maße (mm) |      |      |     |     |     |     | Stück/VPE |
|---------------|-----------|------|------|-----|-----|-----|-----|-----------|
|               | d         | L    | D    | l   | d1  | l1  |     |           |
| 0100120300VR  | M3 x 0.5  | 16.0 | 6.0  | 1.7 | 0.8 | 0.9 | 100 |           |
| 0100130300VR  | M3 x 0.5  | 20.0 | 6.0  | 1.7 | 0.8 | 0.9 | 100 |           |
| 0100180300VR  | M4 x 0.7  | 10.0 | 7.8  | 2.7 | 1.2 | 1.3 | 100 |           |
| 0100190300VR  | M4 x 0.7  | 12.0 | 7.8  | 2.7 | 1.2 | 1.3 | 100 |           |
| 0100210300VR  | M4 x 0.7  | 16.0 | 7.8  | 2.7 | 1.2 | 1.3 | 100 |           |
| 0100220300VR  | M4 x 0.7  | 20.0 | 7.8  | 2.7 | 1.2 | 1.3 | 100 |           |
| 0100230300VR  | M4 x 0.7  | 25.0 | 7.8  | 2.7 | 1.2 | 1.3 | 100 |           |
| 0100280300VR  | M5 x 0.8  | 10.0 | 10.0 | 2.7 | 1.2 | 1.4 | 100 |           |
| 0100310300VR  | M5 x 0.8  | 16.0 | 10.4 | 2.7 | 1.2 | 1.4 | 100 |           |
| 0100330300VR  | M5 x 0.8  | 20.0 | 10.0 | 2.7 | 1.2 | 1.4 | 100 |           |
| 0100340300VR  | M5 x 0.8  | 25.0 | 10.0 | 2.7 | 1.2 | 1.4 | 100 |           |
| 0100350300VR  | M5 x 0.8  | 30.0 | 9.2  | 2.7 | 1.2 | 1.4 | 100 |           |
| 0100360300VR  | M5 x 0.8  | 40.0 | 9.2  | 2.7 | 1.2 | 1.4 | 100 |           |
| 0100420300VR  | M6 x 1.0  | 10.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100 |           |
| 0100450300VR  | M6 x 1.0  | 16.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100 |           |
| 0100460300VR  | M6 x 1.0  | 20.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100 |           |
| 0100480300VR  | M6 x 1.0  | 25.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100 |           |
| 0100500300VR  | M6 x 1.0  | 30.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100 |           |
| 0100520300VR  | M6 x 1.0  | 40.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100 |           |
| 0100540300VR  | M6 x 1.0  | 60.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100 |           |
| 0100680300VR  | M8 x 1.25 | 16.0 | 14.5 | 4.7 | 2.0 | 2.3 | 100 |           |
| 0100690300VR  | M8 x 1.25 | 20.0 | 14.5 | 4.7 | 2.0 | 2.3 | 100 |           |
| 0100700300VR  | M8 x 1.25 | 25.0 | 14.5 | 4.7 | 2.0 | 2.3 | 100 |           |
| 0100710300VR  | M8 x 1.25 | 30.0 | 14.7 | 4.7 | 2.0 | 2.3 | 100 |           |
| 0100770300VR  | M10 x 1.5 | 40.0 | 17.5 | 5.0 | 2.6 | 2.3 | 100 |           |

## Senkschrauben mit Schlitz - PVDF

SR 1909

PVDF, natur

- Maßtoleranzen ähnlich ISO 2009, NF E 25-123, DIN 963

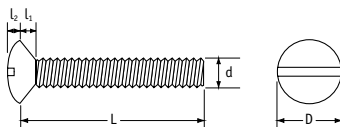


| Artikelnummer | Maße (mm) |      |      |     |     |     | Stück/VPE |
|---------------|-----------|------|------|-----|-----|-----|-----------|
|               | d         | L    | D    | l   | d1  | l1  |           |
| 0100080500VR  | M3 x 0.5  | 8.0  | 6.0  | 1.7 | 0.8 | 0.9 | 100       |
| 0100090500VR  | M3 x 0.5  | 10.0 | 6.0  | 1.7 | 0.8 | 0.9 | 100       |
| 0100100500VR  | M3 x 0.5  | 12.0 | 6.3  | 1.7 | 0.8 | 0.9 | 100       |
| 0100120500VR  | M3 x 0.5  | 16.0 | 6.0  | 1.7 | 0.8 | 0.9 | 100       |
| 0100130500VR  | M3 x 0.5  | 20.0 | 6.0  | 1.7 | 0.8 | 0.9 | 100       |
| 0100180500VR  | M4 x 0.7  | 10.0 | 7.8  | 2.7 | 1.2 | 1.3 | 100       |
| 0100190500VR  | M4 x 0.7  | 12.0 | 7.8  | 2.7 | 1.2 | 1.3 | 100       |
| 0100210500VR  | M4 x 0.7  | 16.0 | 7.8  | 2.7 | 1.2 | 1.3 | 100       |
| 0100220500VR  | M4 x 0.7  | 20.0 | 7.8  | 2.7 | 1.2 | 1.3 | 100       |
| 0100230500VR  | M4 x 0.7  | 25.0 | 7.8  | 2.7 | 1.2 | 1.3 | 100       |
| 0100280500VR  | M5 x 0.8  | 10.0 | 10.0 | 2.7 | 1.2 | 1.4 | 100       |
| 0100310500VR  | M5 x 0.8  | 16.0 | 10.4 | 2.7 | 1.2 | 1.4 | 100       |
| 0100330500VR  | M5 x 0.8  | 20.0 | 10.0 | 2.7 | 1.2 | 1.4 | 100       |
| 0100340500VR  | M5 x 0.8  | 25.0 | 10.0 | 2.7 | 1.2 | 1.4 | 100       |
| 0100350500VR  | M5 x 0.8  | 30.0 | 9.2  | 2.7 | 1.2 | 1.4 | 100       |
| 0100360500VR  | M5 x 0.8  | 40.0 | 9.2  | 2.7 | 1.2 | 1.4 | 100       |
| 0100420500VR  | M6 x 1.0  | 10.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100       |
| 0100430500VR  | M6 x 1.0  | 12.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100       |
| 0100450500VR  | M6 x 1.0  | 16.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100       |
| 0100460500VR  | M6 x 1.0  | 20.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100       |
| 0100480500VR  | M6 x 1.0  | 25.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100       |
| 0100500500VR  | M6 x 1.0  | 30.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100       |
| 0100520500VR  | M6 x 1.0  | 40.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100       |
| 0100540500VR  | M6 x 1.0  | 60.0 | 11.0 | 3.3 | 1.6 | 1.6 | 100       |

## Gewölbte Senkschrauben mit Schlitz

SR 1996

Nylon, natur



| Artikelnummer | Maße (mm) |     |      |      |     |      | Stück/VPE |
|---------------|-----------|-----|------|------|-----|------|-----------|
|               | d         | D   | L    | l1   | l2  |      |           |
| 0110070000VR  | M3 x 0.5  | 6.3 | 6.0  | 1.65 | 0.7 | 1000 |           |
| 0110090000VR  | M3 x 0.5  | 6.3 | 10.0 | 1.65 | 0.7 | 1000 |           |
| 0110120000VR  | M3 x 0.5  | 6.3 | 16.0 | 1.65 | 0.7 | 1000 |           |
| 0110130000VR  | M3 x 0.5  | 6.3 | 20.0 | 1.65 | 0.7 | 1000 |           |
| 0110160000VR  | M4 x 0.7  | 9.4 | 6.0  | 2.7  | 1.0 | 1000 |           |

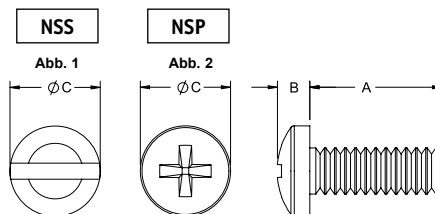
| Artikelnummer | Maße (mm) |      |      |      |     |      | Stück/VPE |
|---------------|-----------|------|------|------|-----|------|-----------|
|               | d         | D    | L    | l1   | l2  |      |           |
| 0110180000VR  | M4 x 0.7  | 9.4  | 10.0 | 2.7  | 1.0 | 1000 |           |
| 0110190000VR  | M4 x 0.7  | 9.4  | 12.0 | 2.7  | 1.0 | 1000 |           |
| 0110210000VR  | M4 x 0.7  | 9.4  | 16.0 | 2.7  | 1.0 | 1000 |           |
| 0110900000VR  | M4 x 0.7  | 9.4  | 18.0 | 2.7  | 1.0 | 1000 |           |
| 0110220000VR  | M4 x 0.7  | 9.4  | 20.0 | 2.7  | 1.0 | 1000 |           |
| 0110230000VR  | M4 x 0.7  | 9.4  | 25.0 | 2.7  | 1.0 | 1000 |           |
| 0110280000VR  | M5 x 0.8  | 10.4 | 10.0 | 2.7  | 1.2 | 1000 |           |
| 0110300000VR  | M5 x 0.8  | 10.4 | 15.0 | 2.7  | 1.2 | 1000 |           |
| 0110330000VR  | M5 x 0.8  | 10.4 | 20.0 | 2.7  | 1.2 | 1000 |           |
| 0110340000VR  | M5 x 0.8  | 10.4 | 25.0 | 2.7  | 1.2 | 1000 |           |
| 0110350000VR  | M5 x 0.8  | 9.1  | 30.0 | 2.7  | 1.2 | 1000 |           |
| 0110410000VR  | M6 x 1.0  | 11.0 | 8.0  | 3.3  | 1.4 | 1000 |           |
| 0110460000VR  | M6 x 1.0  | 11.0 | 20.0 | 3.3  | 1.4 | 1000 |           |
| 0110480000VR  | M6 x 1.0  | 11.0 | 25.0 | 3.3  | 1.4 | 1000 |           |
| 0110700000VR  | M8 x 1.25 | 14.5 | 25.0 | 4.65 | 2.0 | 1000 |           |
| 0110710000VR  | M8 x 1.25 | 14.5 | 30.0 | 4.65 | 2.0 | 1000 |           |

# SCHRAUBEN UND MUTTERN AUS NYLON

## Flachkopfschrauben mit Schlitz oder Kreuzschlitz

NSS/NSP

Nylon 6/6, RMS-179, natur

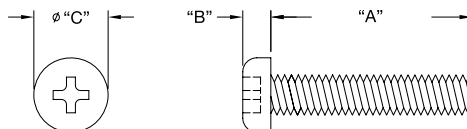


| Schlitzschraube (Abb. 1) |                      |                      | Kreuzschlitzschraube (Abb. 2) |                        |                        | "A"  | Stück/VPE |
|--------------------------|----------------------|----------------------|-------------------------------|------------------------|------------------------|------|-----------|
| Gewinde: #4-40           | Gewinde: #6-32       | Gewinde: #8-32       | Gewinde: #4-40                | Gewinde: #6-32         | Gewinde: #8-32         |      |           |
| "B" = 1.8<br>"C" = 5,3   | "B" = 2<br>"C" = 6.9 | "B" = 2<br>"C" = 8.1 | "B" = 2<br>"C" = 5,3          | "B" = 2.3<br>"C" = 6.6 | "B" = 2.8<br>"C" = 8.1 |      |           |
| NSS-4-2-01               | NSS-6-2-01           | NSS-8-2-01           | NSP-4-2-01                    | NSP-6-2-01             | NSP-8-2-01             | 3.2  | 1000      |
| NSS-4-3-01               | NSS-6-3-01           | NSS-8-3-01           | NSP-4-3-01                    | NSP-6-3-01             | NSP-8-3-01             | 4.8  | 1000      |
| -                        | NSS-6-4-01           | NSS-8-4-01           | NSP-4-4-01                    | NSP-6-4-01             | NSP-8-4-01             | 6.4  | 1000      |
| -                        | -                    | NSS-8-5-01           | NSP-4-5-01                    | NSP-6-5-01             | NSP-8-5-01             | 7.9  | 1000      |
| NSS-4-6-01               | NSS-6-6-01           | NSS-8-6-01           | -                             | -                      | NSP-8-6-01             | 9.5  | 1000      |
| NSS-4-7-01               | -                    | NSS-8-7-01           | NSP-4-7-01                    | NSP-6-7-01             | NSP-8-7-01             | 11.1 | 1000      |
| -                        | NSS-6-8-01           | NSS-8-8-01           | -                             | NSP-6-8-01             | NSP-8-8-01             | 12.7 | 1000      |

## Metrische Schraube, Nylon

NMS

UL94 V2 Nylon 6/6, RMS-01, natur



| Artikelnummer | Maße (mm) |     |         |     | Stück/VPE |
|---------------|-----------|-----|---------|-----|-----------|
|               | "A"       | "B" | Gewinde | "C" |           |
| NMS-306       | 6.4       | 2.5 | M3      | 5.7 | 1000      |
| NMS-308       | 8         | 2.5 | M3      | 5.7 | 1000      |
| NMS-310       | 10        | 2.5 | M3      | 5.7 | 1000      |
| NMS-312       | 12.1      | 2.5 | M3      | 5.7 | 1000      |
| NMS-408       | 8         | 2.8 | M4      | 7.4 | 1000      |

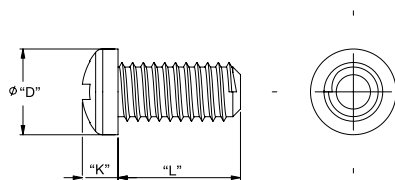
## Linsenschraube mit Kreuzschlitz

NSE-34812

Nylon 6/6, RMS-179, natur



Nach DIN EN 34812



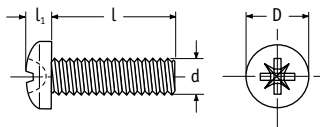
| Gewinde: M3          | Gewinde: M4          | Gewinde: M5            | Gewinde: M6           | "L" | Stück/VPE |
|----------------------|----------------------|------------------------|-----------------------|-----|-----------|
| "D" = 6<br>"K" = 2,4 | "D" = 8<br>"K" = 3,1 | "D" = 9,5<br>"K" = 3,7 | "D" = 12<br>"K" = 4,6 |     |           |
| NSE-34812-M3-4       | -                    | -                      | -                     | 4   | 1000      |
| 008120000VR          | -                    | -                      | -                     | 5   | 1000      |
| NSE-34812-M3-6       | NSE-34812-M4-6       | -                      | -                     | 6   | 1000      |
| NSE-34812-M3-8       | NSE-34812-M4-8       | NSE-34812-M5-8         | NSE-34812-M6-8        | 8   | 1000      |
| NSE-34812-M3-10      | NSE-34812-M4-10      | NSE-34812-M5-10        | NSE-34812-M6-10       | 10  | 1000      |
| -                    | NSE-34812-M4-12      | -                      | NSE-34812-M6-12       | 12  | 1000      |
| -                    | NSE-34812-M4-16      | NSE-34812-M5-16        | NSE-34812-M6-16       | 16  | 1000      |
| NSE-34812-M3-20      | NSE-34812-M4-20      | -                      | NSE-34812-M6-20       | 20  | 1000      |
| NSE-34812-M3-25      | -                    | NSE-34812-M5-25        | NSE-34812-M6-25       | 25  | 1000      |
| -                    | NSE-34812-M4-30      | -                      | NSE-34812-M6-30       | 30  | 1000      |
| -                    | NSE-34812-M4-40      | NSE-34812-M5-40        | NSE-34812-M6-40       | 40  | 1000      |

## Flachrundschrauben mit Kreuzschlitz

SR 1972

Nylon 6.6, natur

- Maßtoleranzen ähnlich NF E 25-1291



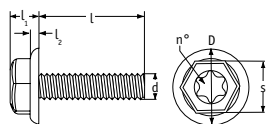
| Artikelnummer | Maße (mm)   |      |     |     | Stück/VPE |
|---------------|-------------|------|-----|-----|-----------|
|               | d           | l    | D   | l1  |           |
| 0082010000VR  | M2 x 0.4    | 4.0  | 3.8 | 1.3 | 1000      |
| 0082020000VR  | M2 x 0.4    | 5.0  | 3.8 | 1.3 | 1000      |
| 0082030000VR  | M2 x 0.4    | 6.0  | 3.8 | 1.3 | 1000      |
| 0082040000VR  | M2 x 0.4    | 8.0  | 3.8 | 1.3 | 1000      |
| 0082050000VR  | M2 x 0.4    | 10.0 | 3.8 | 1.3 | 1000      |
| 0082060000VR  | M2 x 0.4    | 12.0 | 3.8 | 1.3 | 1000      |
| 0082070000VR  | M2 x 0.4    | 16.0 | 3.8 | 1.3 | 1000      |
| 0082080000VR  | M2 x 0.4    | 20.0 | 3.8 | 1.3 | 1000      |
| 0082090000VR  | M2 x 0.4    | 25.0 | 3.8 | 1.3 | 1000      |
| 0082100000VR  | M2.5 x 0.45 | 4.0  | 4.5 | 2.0 | 1000      |
| 0082110000VR  | M2.5 x 0.45 | 5.0  | 4.5 | 2.0 | 1000      |
| 0082120000VR  | M2.5 x 0.45 | 6.0  | 4.5 | 2.0 | 1000      |
| 0082130000VR  | M2.5 x 0.45 | 8.0  | 4.5 | 2.0 | 1000      |
| 0082140000VR  | M2.5 x 0.45 | 10.0 | 4.5 | 1.6 | 1000      |
| 0082150000VR  | M2.5 x 0.45 | 12.0 | 4.5 | 1.6 | 1000      |
| 0082160000VR  | M2.5 x 0.45 | 16.0 | 4.5 | 1.6 | 1000      |
| 0082170000VR  | M2.5 x 0.45 | 20.0 | 4.5 | 1.6 | 1000      |
| 0082180000VR  | M2.5 x 0.45 | 25.0 | 4.5 | 1.6 | 1000      |
| 0080060000VR  | M3 x 0.5    | 4.0  | 5.4 | 2.4 | 1000      |
| 0081200000VR  | M3 x 0.5    | 5.0  | 5.4 | 2.4 | 1000      |
| 0080070000VR  | M3 x 0.5    | 6.0  | 5.4 | 2.4 | 1000      |
| 0080080000VR  | M3 x 0.5    | 8.0  | 5.4 | 2.4 | 1000      |
| 0080090000VR  | M3 x 0.5    | 10.0 | 5.4 | 2.4 | 1000      |
| 0080100000VR  | M3 x 0.5    | 12.0 | 5.4 | 2.4 | 1000      |

| Artikelnummer | Maße (mm) |      |      |     | Stück/VPE |
|---------------|-----------|------|------|-----|-----------|
|               | d         | l    | D    | l1  |           |
| 0080120000VR  | M3 x 0.5  | 16.0 | 5.4  | 2.4 | 1000      |
| 0080130000VR  | M3 x 0.5  | 20.0 | 5.4  | 2.4 | 1000      |
| 0080140000VR  | M3 x 0.5  | 25.0 | 5.4  | 2.4 | 1000      |
| 0080150000VR  | M3 x 0.5  | 30.0 | 5.4  | 2.4 | 1000      |
| 0080160000VR  | M4 x 0.7  | 6.0  | 8.0  | 3.1 | 1000      |
| 0080170000VR  | M4 x 0.7  | 8.0  | 8.0  | 3.1 | 1000      |
| 0080180000VR  | M4 x 0.7  | 10.0 | 8.0  | 3.1 | 1000      |
| 0080190000VR  | M4 x 0.7  | 12.0 | 8.0  | 3.1 | 1000      |
| 0080210000VR  | M4 x 0.7  | 16.0 | 8.0  | 3.1 | 1000      |
| 0080220000VR  | M4 x 0.7  | 20.0 | 8.0  | 3.1 | 1000      |
| 0080230000VR  | M4 x 0.7  | 25.0 | 8.0  | 3.1 | 1000      |
| 0080240000VR  | M4 x 0.7  | 30.0 | 8.0  | 3.1 | 1000      |
| 0080250000VR  | M4 x 0.7  | 40.0 | 8.0  | 3.1 | 1000      |
| 0080260000VR  | M5 x 0.8  | 6.0  | 9.5  | 3.7 | 1000      |
| 0080270000VR  | M5 x 0.8  | 8.0  | 9.1  | 3.7 | 1000      |
| 0080280000VR  | M5 x 0.8  | 10.0 | 9.1  | 3.7 | 1000      |
| 0080290000VR  | M5 x 0.8  | 12.0 | 9.1  | 3.7 | 1000      |
| 0080310000VR  | M5 x 0.8  | 16.0 | 9.1  | 3.7 | 1000      |
| 0080330000VR  | M5 x 0.8  | 20.0 | 9.1  | 3.7 | 1000      |
| 0080340000VR  | M5 x 0.8  | 25.0 | 9.1  | 3.7 | 1000      |
| 0080350000VR  | M5 x 0.8  | 30.0 | 9.1  | 3.7 | 1000      |
| 0080360000VR  | M5 x 0.8  | 40.0 | 9.1  | 3.7 | 1000      |
| 0080370000VR  | M5 x 0.8  | 50.0 | 9.1  | 3.7 | 1000      |
| 0080400000VR  | M6 x 1.0  | 6.0  | 11.5 | 4.6 | 1000      |
| 0080390000VR  | M6 x 1.0  | 6.5  | 11.5 | 4.6 | 1000      |
| 0080410000VR  | M6 x 1.0  | 8.0  | 11.5 | 4.6 | 1000      |
| 0080420000VR  | M6 x 1.0  | 10.0 | 11.5 | 4.6 | 1000      |
| 0080430000VR  | M6 x 1.0  | 12.0 | 11.5 | 4.6 | 1000      |
| 0080450000VR  | M6 x 1.0  | 16.0 | 11.5 | 4.6 | 1000      |
| 0080460000VR  | M6 x 1.0  | 20.0 | 11.5 | 4.6 | 1000      |
| 0080480000VR  | M6 x 1.0  | 25.0 | 11.5 | 4.6 | 1000      |
| 0080500000VR  | M6 x 1.0  | 30.0 | 11.5 | 4.6 | 1000      |
| 0080520000VR  | M6 x 1.0  | 40.0 | 11.5 | 4.6 | 1000      |
| 0080530000VR  | M6 x 1.0  | 50.0 | 11.0 | 4.6 | 1000      |
| 0080550000VR  | M6 x 1.0  | 60.0 | 11.0 | 4.6 | 1000      |
| 0080650000VR  | M8 x 1.25 | 10.0 | 16.0 | 6.0 | 1000      |
| 0080680000VR  | M8 x 1.25 | 16.0 | 16.0 | 6.0 | 1000      |
| 0080690000VR  | M8 x 1.25 | 20.0 | 16.0 | 6.0 | 1000      |
| 0080700000VR  | M8 x 1.25 | 25.0 | 16.0 | 6.0 | 1000      |
| 0080710000VR  | M8 x 1.25 | 30.0 | 16.0 | 6.0 | 1000      |
| 0080720000VR  | M8 x 1.25 | 35.0 | 16.0 | 6.0 | 1000      |
| 0080730000VR  | M8 x 1.25 | 40.0 | 16.0 | 6.0 | 1000      |
| 0080740000VR  | M8 x 1.25 | 50.0 | 16.0 | 6.0 | 1000      |
| 0081850000VR  | M10 x 1.5 | 16.0 | 20.0 | 7.5 | 1000      |
| 0080860000VR  | M10 x 1.5 | 20.0 | 20.0 | 7.5 | 1000      |
| 0080880000VR  | M10 x 1.5 | 30.0 | 20.0 | 7.5 | 1000      |
| 0081270000VR  | M10 x 1.5 | 40.0 | 20.0 | 7.5 | 1000      |

## Sechsschrauben mit Flansch und Innensechsrund

SR 1975

Nylon 6.6, natur



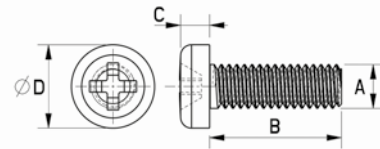
| Artikelnummer | Maße (mm) |      |     |     |      |     |    | Nr.  | Stück/VPE |
|---------------|-----------|------|-----|-----|------|-----|----|------|-----------|
|               | d         | l1   | l2  | D   | s    |     |    |      |           |
| 0070160000VR  | M4 x 0.7  | 6.0  | 5.8 | 2.0 | 11.5 | 8.0 | 20 | 1000 |           |
| 0070170000VR  | M4 x 0.7  | 8.0  | 5.8 | 2.0 | 11.5 | 8.0 | 20 | 1000 |           |
| 0070180000VR  | M4 x 0.7  | 10.0 | 5.8 | 2.0 | 11.5 | 8.0 | 20 | 1000 |           |
| 0070190000VR  | M4 x 0.7  | 12.0 | 5.8 | 2.0 | 11.5 | 8.0 | 20 | 1000 |           |
| 0070210000VR  | M4 x 0.7  | 16.0 | 5.8 | 2.0 | 11.5 | 8.0 | 20 | 1000 |           |
| 0071820000VR  | M4 x 0.7  | 18.0 | 5.8 | 2.0 | 11.5 | 8.0 | 20 | 1000 |           |
| 0070220000VR  | M4 x 0.7  | 20.0 | 5.8 | 2.0 | 11.5 | 8.0 | 20 | 1000 |           |
| 0070260000VR  | M5 x 0.8  | 6.0  | 5.8 | 2.0 | 11.5 | 8.0 | 20 | 1000 |           |

| Artikelnummer | Maße (mm) |      |      |     |      |      | Nr. | Stück/VPE |
|---------------|-----------|------|------|-----|------|------|-----|-----------|
|               | d         | l    | l1   | l2  | D    | s    |     |           |
| 0070280000VR  | M5 x 0.8  | 10.0 | 5.8  | 2.0 | 11.5 | 8.0  | 20  | 1000      |
| 0070290000VR  | M5 x 0.8  | 12.0 | 5.8  | 2.0 | 11.5 | 8.0  | 20  | 1000      |
| 0070310000VR  | M5 x 0.8  | 16.0 | 5.8  | 2.0 | 11.5 | 8.0  | 20  | 1000      |
| 0070330000VR  | M5 x 0.8  | 20.0 | 5.8  | 2.0 | 11.5 | 8.0  | 20  | 1000      |
| 0070410000VR  | M6 x 1.0  | 8.0  | 6.6  | 2.4 | 14.0 | 10.0 | 30  | 1000      |
| 0070420000VR  | M6 x 1.0  | 10.0 | 6.6  | 2.4 | 14.0 | 10.0 | 30  | 1000      |
| 0070430000VR  | M6 x 1.0  | 12.0 | 6.6  | 2.4 | 14.0 | 10.0 | 30  | 1000      |
| 0070450000VR  | M6 x 1.0  | 16.0 | 6.6  | 2.4 | 14.0 | 10.0 | 30  | 1000      |
| 0070460000VR  | M6 x 1.0  | 20.0 | 6.6  | 2.4 | 14.0 | 10.0 | 30  | 1000      |
| 0070480000VR  | M6 x 1.0  | 25.0 | 6.6  | 2.4 | 14.0 | 10.0 | 30  | 1000      |
| 0070500000VR  | M6 x 1.0  | 30.0 | 6.6  | 2.4 | 14.0 | 10.0 | 30  | 1000      |
| 0070680000VR  | M8 x 1.25 | 16.0 | 8.1  | 2.7 | 18.0 | 13.0 | 40  | 1000      |
| 0070690000VR  | M8 x 1.25 | 20.0 | 8.1  | 2.7 | 18.0 | 13.0 | 40  | 500       |
| 0070700000VR  | M8 x 1.25 | 25.0 | 8.1  | 2.7 | 18.0 | 13.0 | 40  | 1000      |
| 0070710000VR  | M8 x 1.25 | 30.0 | 8.1  | 2.7 | 18.0 | 13.0 | 40  | 1000      |
| 0071270000VR  | M10 x 1.5 | 40.0 | 10.4 | 3.5 | 22.0 | 16.0 | 50  | 250       |
| 0070990000VR  | M10 x 1.5 | 50.0 | 10.4 | 3.5 | 22.0 | 16.0 | 50  | 250       |
| 0070200000VR  | M10 x 1.5 | 60.0 | 10.4 | 3.5 | 22.0 | 16.0 | 50  | 1000      |
| 0070910000VR  | M10 x 1.5 | 70.0 | 10.4 | 3.5 | 22.0 | 16.0 | 50  | 250       |

## PEEK® Flachkopfschraube

SR1931

- Aus PEEK®
- Farbe: hellbraun
- Temperatur für Dauernutzung 180°C
- Beständig gegen die meisten Chemikalien
- Flammwidrigkeit: UL94 V-0



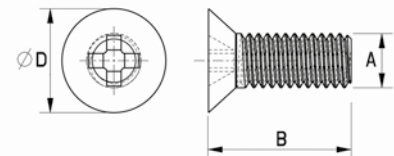
| Artikelnummer | Maße (mm) |      |     |     | Stück/VPE |
|---------------|-----------|------|-----|-----|-----------|
|               | A         | B    | C   | D   |           |
| 180020670409  | M2.6      | 6.0  | 1.7 | 4.5 | 25        |
| 180020870409  | M2.6      | 8.0  | 1.7 | 4.5 | 25        |
| 180021070409  | M2.6      | 10.0 | 1.7 | 4.5 | 25        |
| 180021270409  | M2.6      | 12.0 | 1.7 | 4.5 | 25        |
| 180030670409  | M3        | 6.0  | 2.0 | 5.5 | 25        |
| 180030870409  | M3        | 8.0  | 2.0 | 5.5 | 25        |
| 180031070409  | M3        | 10.0 | 2.0 | 5.5 | 25        |
| 180031270409  | M3        | 12.0 | 2.0 | 5.5 | 25        |
| 180031670409  | M3        | 16.0 | 2.0 | 5.5 | 25        |
| 180032070409  | M3        | 20.0 | 2.0 | 5.5 | 25        |
| 180032570409  | M3        | 25.0 | 2.0 | 5.5 | 25        |
| 180040670409  | M4        | 6.0  | 2.6 | 7.0 | 25        |
| 180040870409  | M4        | 8.0  | 2.6 | 7.0 | 25        |
| 180041070409  | M4        | 10.0 | 2.6 | 7.0 | 25        |
| 180041270409  | M4        | 12.0 | 2.6 | 7.0 | 25        |

| Artikelnummer | Maße (mm) |      |     |      | Stück/VPE |
|---------------|-----------|------|-----|------|-----------|
|               | A         | B    | C   | D    |           |
| 180041670409  | M4        | 16.0 | 2.6 | 7.0  | 25        |
| 180042070409  | M4        | 20.0 | 2.6 | 7.0  | 25        |
| 180042570409  | M4        | 25.0 | 2.6 | 7.0  | 25        |
| 180050870409  | M5        | 8.0  | 3.3 | 9.0  | 25        |
| 180051070409  | M5        | 10.0 | 3.3 | 9.0  | 25        |
| 180051270409  | M5        | 12.0 | 3.3 | 9.0  | 25        |
| 180051670409  | M5        | 16.0 | 3.3 | 9.0  | 25        |
| 180052070409  | M5        | 20.0 | 3.3 | 9.0  | 25        |
| 180052570409  | M5        | 25.0 | 3.3 | 9.0  | 25        |
| 180061070409  | M6        | 10.0 | 3.9 | 10.5 | 25        |
| 180061270409  | M6        | 12.0 | 3.9 | 10.5 | 25        |
| 180061670409  | M6        | 16.0 | 3.9 | 10.5 | 25        |
| 180062070409  | M6        | 20.0 | 3.9 | 10.5 | 25        |
| 180062570409  | M6        | 25.0 | 3.9 | 10.5 | 25        |
| 180063070409  | M6        | 20.0 | 3.9 | 10.5 | 25        |

## PEEK® Senkschraube

SR2011

- Aus PEEK®
- Farbe: hellbraun
- Temperatur für Dauernutzung 180°C
- Beständig gegen die meisten Chemikalien
- Flammwidrigkeit: UL94 V-0



| Artikelnummer | Maße (mm) |    |   | Stück/VPE |
|---------------|-----------|----|---|-----------|
|               | A         | B  | D |           |
| 181030670409  | M3        | 6  | 6 | 25        |
| 181030870409  | M3        | 8  | 6 | 25        |
| 181031070409  | M3        | 10 | 6 | 25        |
| 181031270409  | M3        | 12 | 6 | 25        |
| 181031670409  | M3        | 16 | 6 | 25        |
| 181032070409  | M3        | 20 | 6 | 25        |
| 181032570409  | M3        | 25 | 6 | 25        |
| 181040670409  | M4        | 6  | 8 | 25        |
| 181040870409  | M4        | 8  | 8 | 25        |
| 181041070409  | M4        | 10 | 8 | 25        |
| 181041270409  | M4        | 12 | 8 | 25        |
| 181041670409  | M4        | 16 | 8 | 25        |

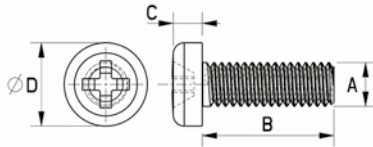
| Artikelnummer | Maße (mm) |    |    | Stück/VPE |
|---------------|-----------|----|----|-----------|
|               | A         | B  | D  |           |
| 181042070409  | M4        | 20 | 8  | 25        |
| 181042570409  | M4        | 25 | 8  | 25        |
| 181050870409  | M5        | 8  | 10 | 25        |
| 181051070409  | M5        | 10 | 10 | 25        |
| 181051270409  | M5        | 12 | 10 | 25        |
| 181051570409  | M5        | 15 | 10 | 25        |
| 181052070409  | M5        | 20 | 10 | 25        |
| 181052570409  | M5        | 25 | 10 | 25        |
| 181061070409  | M6        | 10 | 12 | 25        |
| 181061570409  | M6        | 15 | 12 | 25        |
| 181062070409  | M6        | 20 | 12 | 25        |
| 181063070409  | M6        | 30 | 12 | 25        |

## Transparente Schrauben - Flachrundschrauben mit Kreuzschlitz

SR 1922

Polycarbonat

- Hoch transparente Befestigung
- Kreuzschlitz



| Artikelnummer | Maße (mm) |      |     |     | Stück/VPE |
|---------------|-----------|------|-----|-----|-----------|
|               | A         | B    | C   | D   |           |
| 170023000022  | M2        | 3.0  | 1.3 | 3.5 | 100       |
| 170020400022  | M2        | 4.0  | 1.3 | 3.5 | 100       |
| 170025000022  | M2        | 5.0  | 1.3 | 3.5 | 100       |
| 170020700022  | M2        | 6.5  | 1.3 | 3.5 | 100       |
| 170020800022  | M2        | 8.0  | 1.3 | 3.5 | 100       |
| 170021000022  | M2        | 10.0 | 1.3 | 3.5 | 100       |
| 170021200022  | M2        | 12.0 | 1.3 | 3.5 | 100       |
| 170260300022  | M2.6      | 3.0  | 1.7 | 4.5 | 100       |
| 170260400022  | M2.6      | 4.0  | 1.7 | 4.5 | 100       |
| 170020600022  | M2.6      | 6.0  | 2.8 | 5.7 | 100       |
| 170260800022  | M2.6      | 8.0  | 1.7 | 4.5 | 100       |
| 170261000022  | M2.6      | 10.0 | 1.7 | 4.5 | 100       |
| 170261200022  | M2.6      | 12.0 | 1.7 | 4.5 | 100       |
| 170261500022  | M2.6      | 15.0 | 1.7 | 4.5 | 100       |
| 170030400022  | M3        | 4.0  | 2.0 | 5.5 | 100       |
| 170035000022  | M3        | 5.0  | 2.0 | 5.5 | 100       |
| 170030600022  | M3        | 6.4  | 2.5 | 5.7 | 100       |
| 170030800022  | M3        | 8.0  | 2.5 | 5.7 | 100       |
| 170031000022  | M3        | 10.0 | 2.5 | 5.7 | 100       |
| 170031200022  | M3        | 12.1 | 2.5 | 5.7 | 100       |
| 170031500022  | M3        | 15.1 | 2.5 | 5.7 | 100       |
| 170031600022  | M3        | 16.0 | 2.0 | 5.5 | 100       |
| 170031800022  | M3        | 18.0 | 2.0 | 5.5 | 100       |
| 170032000022  | M3        | 20.0 | 2.0 | 5.5 | 100       |
| 170032500022  | M3        | 25.0 | 2.0 | 5.5 | 100       |
| 170033000022  | M3        | 30.0 | 2.0 | 5.5 | 100       |
| 170040500022  | M4        | 5.0  | 2.6 | 7.0 | 100       |
| 170040600022  | M4        | 6.3  | 2.7 | 7.4 | 100       |
| 170040800022  | M4        | 8.0  | 2.7 | 7.4 | 100       |
| 170041000022  | M4        | 10.2 | 2.7 | 7.4 | 100       |
| 170041200022  | M4        | 12.2 | 2.7 | 7.4 | 100       |
| 170041400022  | M4        | 14.2 | 2.7 | 7.4 | 100       |
| 170041500022  | M4        | 15.0 | 2.6 | 7.0 | 100       |
| 170041600022  | M4        | 16.2 | 2.7 | 7.4 | 100       |
| 170041800022  | M4        | 18.0 | 2.6 | 7.0 | 100       |
| 170042000022  | M4        | 20.0 | 2.7 | 7.4 | 100       |
| 170042500022  | M4        | 25.0 | 2.6 | 7.0 | 100       |
| 170043000022  | M4        | 30.0 | 2.6 | 7.0 | 100       |
| 170050600022  | M5        | 6.0  | 3.3 | 9.0 | 100       |
| 170050800022  | M5        | 8.0  | 3.3 | 9.0 | 100       |

| Artikelnummer | Maße (mm) |      |     |      | Stück/VPE |
|---------------|-----------|------|-----|------|-----------|
|               | A         | B    | C   | D    |           |
| 170051000022  | M5        | 10.1 | 3.6 | 9.1  | 100       |
| 170051200022  | M5        | 12.1 | 3.5 | 9.1  | 100       |
| 170051500022  | M5        | 15.0 | 3.3 | 9.0  | 100       |
| 170051600022  | M5        | 16.1 | 3.5 | 9.1  | 100       |
| 170051800022  | M5        | 18.0 | 3.3 | 9.0  | 100       |
| 170052000022  | M5        | 20.2 | 3.6 | 9.1  | 100       |
| 170052500022  | M5        | 25.0 | 3.3 | 9.0  | 100       |
| 170053000022  | M5        | 30.0 | 3.3 | 9.0  | 100       |
| 170053500022  | M5        | 35.0 | 3.3 | 9.0  | 100       |
| 170061000022  | M6        | 10.0 | 3.9 | 10.5 | 100       |
| 170061200022  | M6        | 12.0 | 3.9 | 10.5 | 100       |
| 170061500022  | M6        | 15.0 | 3.9 | 10.5 | 100       |
| 170062000022  | M6        | 20.0 | 3.9 | 10.5 | 100       |
| 170062500022  | M6        | 25.0 | 3.9 | 10.5 | 100       |
| 170063000022  | M6        | 30.0 | 3.9 | 10.5 | 100       |
| 170063500022  | M6        | 35.0 | 3.9 | 10.5 | 100       |
| 170064000022  | M6        | 40.0 | 3.9 | 10.5 | 100       |
| 170081200022  | M8        | 12.0 | 5.2 | 14.0 | 100       |
| 170081500022  | M8        | 15.0 | 5.2 | 14.0 | 100       |
| 170082000022  | M8        | 20.0 | 5.2 | 14.0 | 100       |
| 170082500022  | M8        | 25.0 | 5.2 | 14.0 | 100       |
| 170083000022  | M8        | 30.0 | 5.2 | 14.0 | 100       |
| 170084000022  | M8        | 40.0 | 5.2 | 14.0 | 100       |

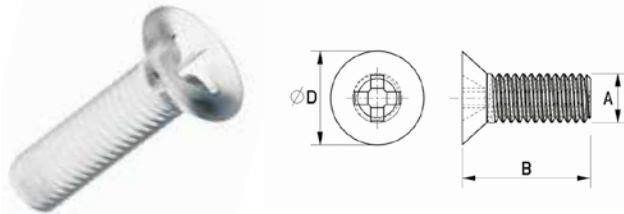
# SCHRAUBEN UND MUTTERN

## Transparente Senkschraube mit Kreuzschlitz

SR 1923

Polycarbonat

- Kreuzschlitz
- Hoch transparente Befestigung

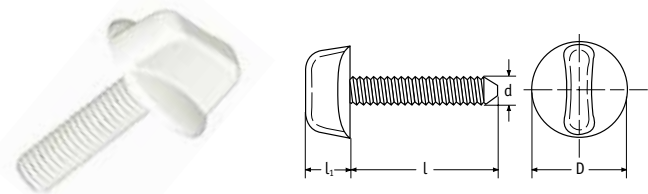


| Artikelnummer | Maße (mm) |      |      | Stück/VPE |
|---------------|-----------|------|------|-----------|
|               | A         | B    | D    |           |
| 170200400022  | M2        | 4.0  | 4.0  | 100       |
| 170020300022  | M2        | 3.3  | 3.8  | 100       |
| 170200500022  | M2        | 5.0  | 4.0  | 100       |
| 170200600022  | M2        | 6.0  | 4.0  | 100       |
| 170200800022  | M2        | 8.0  | 4.0  | 100       |
| 170042600022  | M2.6      | 4.0  | 5.2  | 100       |
| 170062600022  | M2.6      | 6.0  | 5.2  | 100       |
| 170082600022  | M2.6      | 8.0  | 5.2  | 100       |
| 170102600022  | M2.6      | 10.0 | 5.2  | 100       |
| 170122600022  | M2.6      | 12.0 | 5.2  | 100       |
| 170300400022  | M3        | 4.0  | 6.0  | 100       |
| 170030500022  | M3        | 4.5  | 5.4  | 100       |
| 170030700022  | M3        | 6.4  | 5.8  | 100       |
| 170030900022  | M3        | 9.0  | 5.2  | 100       |
| 170031100022  | M3        | 10.8 | 5.1  | 100       |
| 170031300022  | M3        | 12.8 | 5.6  | 100       |
| 170301500022  | M3        | 15.0 | 6.0  | 100       |
| 170301800022  | M3        | 18.0 | 6.0  | 100       |
| 170302000022  | M3        | 20.0 | 6.0  | 100       |
| 170302500022  | M3        | 25.0 | 6.0  | 100       |
| 170400400022  | M4        | 3.8  | 7.4  | 100       |
| 170400800022  | M4        | 8.0  | 8.0  | 100       |
| 170400600022  | M4        | 5.8  | 7.4  | 100       |
| 170401200022  | M4        | 12.0 | 8.0  | 100       |
| 170401000022  | M4        | 9.8  | 7.4  | 100       |
| 170401500022  | M4        | 15.0 | 8.0  | 100       |
| 170401400022  | M4        | 13.8 | 7.4  | 100       |
| 170401800022  | M4        | 18.0 | 8.0  | 100       |
| 170402000022  | M4        | 20.0 | 8.0  | 100       |
| 170402500022  | M4        | 25.0 | 8.0  | 100       |
| 170500800022  | M5        | 8.2  | 9.1  | 100       |
| 170501000022  | M5        | 10.2 | 9.1  | 100       |
| 170501200022  | M5        | 12.2 | 9.1  | 100       |
| 170501500022  | M5        | 15.0 | 10.0 | 100       |
| 170502000022  | M5        | 20.0 | 10.0 | 100       |
| 170502500022  | M5        | 25.0 | 10.0 | 100       |
| 170601000022  | M6        | 10.0 | 12.0 | 100       |
| 170601200022  | M6        | 12.0 | 12.0 | 100       |
| 170601500022  | M6        | 15.0 | 12.0 | 100       |
| 170602000022  | M6        | 20.0 | 12.0 | 100       |
| 170602500022  | M6        | 25.0 | 12.0 | 100       |
| 170603000022  | M6        | 30.0 | 12.0 | 100       |
| 170603500022  | M6        | 35.0 | 12.0 | 100       |
| 170801000022  | M8        | 10.0 | 16.0 | 100       |
| 170801500022  | M8        | 15.0 | 16.0 | 100       |
| 170802000022  | M8        | 20.0 | 16.0 | 100       |
| 170802500022  | M8        | 25.0 | 16.0 | 100       |
| 170803000022  | M8        | 30.0 | 16.0 | 100       |

## Flügelschrauben mit Bund

SR 1979

Nylon 6.6, natur



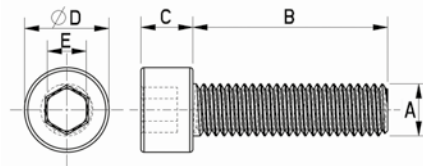
| Artikelnummer | Maße (mm)  |      |      |                | Stück/VPE |
|---------------|------------|------|------|----------------|-----------|
|               | d          | l    | D    | l <sub>1</sub> |           |
| 0270450000VR  | M4 x 0.7   | 6.0  | 16.0 | 10.0           | 1000      |
| 0270460000VR  | M4 x 0.7   | 8.0  | 16.0 | 10.0           | 1000      |
| 0270470000VR  | M4 x 0.7   | 10.0 | 16.0 | 10.0           | 1000      |
| 0270480000VR  | M4 x 0.7   | 12.0 | 16.0 | 10.0           | 1000      |
| 0270490000VR  | M4 x 0.7   | 15.0 | 16.0 | 10.0           | 1000      |
| 0270520000VR  | M4 x 0.7   | 20.0 | 16.0 | 10.0           | 1000      |
| 0270540000VR  | M4 x 0.7   | 25.0 | 16.0 | 10.0           | 1000      |
| 0270550000VR  | M4 x 0.7   | 30.0 | 16.0 | 10.0           | 1000      |
| 0270560000VR  | M4 x 0.7   | 40.0 | 16.0 | 10.0           | 1000      |
| 0270570000VR  | M5 x 0.8   | 6.0  | 16.0 | 10.0           | 1000      |
| 0270580000VR  | M5 x 0.8   | 8.0  | 16.0 | 10.0           | 1000      |
| 0270210000VR  | M5 x 0.8   | 10.0 | 16.0 | 10.0           | 1000      |
| 0270590000VR  | M5 x 0.8   | 15.0 | 16.0 | 10.0           | 1000      |
| 0270230000VR  | M5 x 0.8   | 20.0 | 16.0 | 10.0           | 1000      |
| 0270240000VR  | M5 x 0.8   | 25.0 | 16.0 | 10.0           | 1000      |
| 0270250000VR  | M5 x 0.8   | 30.0 | 16.0 | 10.0           | 1000      |
| 0270260000VR  | M5 x 0.8   | 40.0 | 16.0 | 10.0           | 1000      |
| 0270610000VR  | M6 x 1.0   | 8.0  | 25.0 | 12.0           | 1000      |
| 0270010000VR  | M6 x 1.0   | 10.0 | 25.0 | 12.0           | 1000      |
| 0270020000VR  | M6 x 1.0   | 12.0 | 25.0 | 12.0           | 1000      |
| 0270620000VR  | M6 x 1.0   | 15.0 | 25.0 | 12.0           | 1000      |
| 0270040000VR  | M6 x 1.0   | 20.0 | 25.0 | 12.0           | 1000      |
| 0270060000VR  | M6 x 1.0   | 25.0 | 25.0 | 12.0           | 1000      |
| 0270070000VR  | M6 x 1.0   | 30.0 | 25.0 | 12.0           | 1000      |
| 0270630000VR  | M6 x 1.0   | 40.0 | 25.0 | 12.0           | 1000      |
| 0270650000VR  | M6 x 1.0   | 50.0 | 25.0 | 12.0           | 1000      |
| 0270660000VR  | M6 x 1.0   | 60.0 | 25.0 | 12.0           | 500       |
| 0270680000VR  | M6 x 1.0   | 80.0 | 25.0 | 12.0           | 500       |
| 0270200000VR  | M8 x 1.25  | 8.0  | 25.0 | 12.0           | 1000      |
| 0270080000VR  | M8 x 1.25  | 10.0 | 25.0 | 12.0           | 1000      |
| 0270090000VR  | M8 x 1.25  | 16.0 | 25.0 | 12.0           | 1000      |
| 0270100000VR  | M8 x 1.25  | 20.0 | 25.0 | 12.0           | 1000      |
| 0270110000VR  | M8 x 1.25  | 25.0 | 25.0 | 12.0           | 1000      |
| 0270120000VR  | M8 x 1.25  | 30.0 | 25.0 | 12.0           | 1000      |
| 0270130000VR  | M8 x 1.25  | 35.0 | 25.0 | 12.0           | 1000      |
| 0270140000VR  | M8 x 1.25  | 40.0 | 25.0 | 12.0           | 1000      |
| 0270280000VR  | M8 x 1.25  | 50.0 | 25.0 | 12.0           | 500       |
| 0270290000VR  | M8 x 1.25  | 60.0 | 25.0 | 12.0           | 500       |
| 0270300000VR  | M8 x 1.25  | 70.0 | 25.0 | 12.0           | 500       |
| 0270310000VR  | M8 x 1.25  | 80.0 | 25.0 | 12.0           | 500       |
| 0270270000VR  | M10 x 1.5  | 16.0 | 25.0 | 12.0           | 500       |
| 0270160000VR  | M10 x 1.5  | 20.0 | 25.0 | 12.0           | 500       |
| 0270170000VR  | M10 x 1.5  | 30.0 | 25.0 | 12.0           | 250       |
| 0270320000VR  | M10 x 1.5  | 40.0 | 25.0 | 12.0           | 500       |
| 0270330000VR  | M10 x 1.5  | 50.0 | 25.0 | 12.0           | 250       |
| 0270340000VR  | M10 x 1.5  | 60.0 | 25.0 | 12.0           | 250       |
| 0270360000VR  | M10 x 1.5  | 80.0 | 25.0 | 12.0           | 250       |
| 0270370000VR  | M12 x 1.75 | 16.0 | 25.0 | 12.0           | 1000      |
| 0270380000VR  | M12 x 1.75 | 20.0 | 25.0 | 12.0           | 500       |
| 0270390000VR  | M12 x 1.75 | 30.0 | 25.0 | 12.0           | 500       |
| 0270400000VR  | M12 x 1.75 | 40.0 | 25.0 | 12.0           | 500       |
| 0270410000VR  | M12 x 1.75 | 50.0 | 25.0 | 12.0           | 250       |
| 0270440000VR  | M12 x 1.75 | 80.0 | 25.0 | 12.0           | 250       |

| Artikelnummer | Maße (mm) |      |     |      |     | Stück/VPE |
|---------------|-----------|------|-----|------|-----|-----------|
|               | A         | B    | C   | D    | E   |           |
| 183030870409  | M3        | 8.0  | 3.0 | 5.5  | 2.5 | 25        |
| 183031070409  | M3        | 10.0 | 3.0 | 5.5  | 2.5 | 25        |
| 183031270409  | M3        | 12.0 | 3.0 | 5.5  | 2.5 | 25        |
| 183031570409  | M3        | 15.0 | 3.0 | 5.5  | 2.5 | 25        |
| 183032070409  | M3        | 20.0 | 3.0 | 5.5  | 2.5 | 10        |
| 183032570409  | M3        | 25.0 | 3.0 | 5.5  | 2.5 | 10        |
| 183040870409  | M4        | 8.0  | 4.0 | 7.0  | 3.0 | 10        |
| 183041070409  | M4        | 10.0 | 4.0 | 7.0  | 3.0 | 10        |
| 183041270409  | M4        | 12.0 | 4.0 | 7.0  | 3.0 | 10        |
| 183041570409  | M4        | 15.0 | 4.0 | 7.0  | 3.0 | 10        |
| 183042070409  | M4        | 20.0 | 4.0 | 7.0  | 3.0 | 10        |
| 183042570409  | M4        | 25.0 | 4.0 | 7.0  | 3.0 | 10        |
| 183043070409  | M4        | 30.0 | 4.0 | 7.0  | 3.0 | 10        |
| 183050870409  | M5        | 8.0  | 5.0 | 8.5  | 4.0 | 10        |
| 183051070409  | M5        | 10.0 | 5.0 | 8.5  | 4.0 | 10        |
| 183051270409  | M5        | 12.0 | 5.0 | 8.5  | 4.0 | 10        |
| 183051570409  | M5        | 15.0 | 5.0 | 8.5  | 4.0 | 10        |
| 183052070409  | M5        | 20.0 | 5.0 | 8.5  | 4.0 | 10        |
| 183052570409  | M5        | 25.0 | 5.0 | 8.5  | 4.0 | 10        |
| 183053070409  | M5        | 30.0 | 5.0 | 8.5  | 4.0 | 10        |
| 183061070409  | M6        | 10.0 | 6.0 | 10.0 | 5.0 | 10        |
| 183061270409  | M6        | 12.0 | 6.0 | 10.0 | 5.0 | 10        |
| 183061570409  | M6        | 15.0 | 6.0 | 10.0 | 5.0 | 10        |
| 183062070409  | M6        | 20.0 | 6.0 | 10.0 | 5.0 | 10        |
| 183062570409  | M6        | 25.0 | 6.0 | 10.0 | 5.0 | 10        |
| 183063070409  | M6        | 30.0 | 6.0 | 10.0 | 5.0 | 10        |
| 183063570409  | M6        | 35.0 | 6.0 | 10.0 | 5.0 | 10        |
| 183081070409  | M8        | 10.0 | 8.0 | 13.0 | 6.0 | 1         |
| 183081270409  | M8        | 12.0 | 8.0 | 13.0 | 6.0 | 1         |
| 183081570409  | M8        | 15.0 | 8.0 | 13.0 | 6.0 | 1         |
| 183082070409  | M8        | 20.0 | 8.0 | 13.0 | 6.0 | 1         |
| 183082570409  | M8        | 25.0 | 8.0 | 13.0 | 6.0 | 1         |
| 183083070409  | M8        | 30.0 | 8.0 | 13.0 | 6.0 | 1         |
| 183083570409  | M8        | 35.0 | 8.0 | 13.0 | 6.0 | 1         |

## PEEK® Innensechskantschraube

### SR2012

- Aus PEEK®
- Farbe: hellbraun
- Betriebstemperatur 180°C
- Beständig gegen die meisten Chemikalien
- Flammwidrigkeit: UL94 V-0



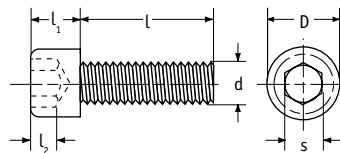
| Artikelnummer | Maße (mm)  |      |      |                |      |                | Stück/VPE |
|---------------|------------|------|------|----------------|------|----------------|-----------|
|               | d          | l    | D    | l <sub>1</sub> | s    | l <sub>2</sub> |           |
| 016050000VR   | M6 x 1.0   | 6.5  | 10.0 | 6.0            | 5.0  | 3.0            | 1000      |
| 016049000VR   | M6 x 1.0   | 8.0  | 10.0 | 6.0            | 5.0  | 3.0            | 1000      |
| 016051000VR   | M6 x 1.0   | 10.0 | 10.0 | 6.0            | 5.0  | 3.0            | 1000      |
| 016052000VR   | M6 x 1.0   | 12.0 | 10.0 | 6.0            | 5.0  | 3.0            | 1000      |
| 016054000VR   | M6 x 1.0   | 16.0 | 10.0 | 6.0            | 5.0  | 3.0            | 1000      |
| 016055000VR   | M6 x 1.0   | 20.0 | 10.0 | 6.0            | 5.0  | 3.0            | 1000      |
| 016058000VR   | M6 x 1.0   | 22.0 | 10.0 | 6.0            | 5.0  | 3.0            | 1000      |
| 016056000VR   | M6 x 1.0   | 25.0 | 10.0 | 6.0            | 5.0  | 3.0            | 1000      |
| 016057000VR   | M6 x 1.0   | 30.0 | 10.0 | 6.0            | 5.0  | 3.0            | 1000      |
| 016059000VR   | M6 x 1.0   | 40.0 | 10.0 | 6.0            | 5.0  | 3.0            | 1000      |
| 016060000VR   | M6 x 1.0   | 50.0 | 10.0 | 6.0            | 5.0  | 3.0            | 500       |
| 016061000VR   | M6 x 1.0   | 60.0 | 10.0 | 6.0            | 5.0  | 3.0            | 500       |
| 016066000VR   | M8 x 1.25  | 10.0 | 13.0 | 8.0            | 6.0  | 4.0            | 1000      |
| 016068000VR   | M8 x 1.25  | 16.0 | 13.0 | 8.0            | 6.0  | 4.0            | 1000      |
| 016070000VR   | M8 x 1.25  | 20.0 | 13.0 | 8.0            | 6.0  | 4.0            | 1000      |
| 016078000VR   | M8 x 1.25  | 25.0 | 13.0 | 8.0            | 6.0  | 4.0            | 1000      |
| 016071000VR   | M8 x 1.25  | 30.0 | 13.0 | 8.0            | 6.0  | 4.0            | 1000      |
| 016072000VR   | M8 x 1.25  | 40.0 | 13.0 | 8.0            | 6.0  | 4.0            | 1000      |
| 016074000VR   | M8 x 1.25  | 50.0 | 13.0 | 8.0            | 6.0  | 4.0            | 500       |
| 016075000VR   | M8 x 1.25  | 60.0 | 13.0 | 8.0            | 6.0  | 4.0            | 500       |
| 016076000VR   | M8 x 1.25  | 70.0 | 13.0 | 8.0            | 6.0  | 4.0            | 500       |
| 016077000VR   | M8 x 1.25  | 80.0 | 13.0 | 8.0            | 6.0  | 4.0            | 500       |
| 016185000VR   | M10 x 1.5  | 16.0 | 16.0 | 10.0           | 8.0  | 5.0            | 500       |
| 016086000VR   | M10 x 1.5  | 20.0 | 16.0 | 10.0           | 8.0  | 5.0            | 1000      |
| 016088000VR   | M10 x 1.5  | 30.0 | 16.0 | 10.0           | 8.0  | 5.0            | 500       |
| 016087000VR   | M10 x 1.5  | 40.0 | 16.0 | 10.0           | 8.0  | 5.0            | 500       |
| 016089000VR   | M10 x 1.5  | 50.0 | 16.0 | 10.0           | 8.0  | 5.0            | 250       |
| 016090000VR   | M10 x 1.5  | 60.0 | 16.0 | 10.0           | 8.0  | 5.0            | 250       |
| 016091000VR   | M10 x 1.5  | 70.0 | 16.0 | 10.0           | 8.0  | 5.0            | 250       |
| 016092000VR   | M10 x 1.5  | 80.0 | 16.0 | 10.0           | 8.0  | 5.0            | 250       |
| 016130000VR   | M12 x 1.75 | 20.0 | 18.0 | 12.0           | 10.0 | 6.0            | 250       |
| 016101000VR   | M12 x 1.75 | 30.0 | 18.0 | 12.0           | 10.0 | 6.0            | 250       |
| 016102000VR   | M12 x 1.75 | 40.0 | 18.0 | 12.0           | 10.0 | 6.0            | 250       |
| 016103000VR   | M12 x 1.75 | 50.0 | 18.0 | 12.0           | 10.0 | 6.0            | 250       |
| 016104000VR   | M12 x 1.75 | 60.0 | 18.0 | 12.0           | 10.0 | 6.0            | 250       |
| 016105000VR   | M12 x 1.75 | 70.0 | 18.0 | 12.0           | 10.0 | 6.0            | 250       |
| 016106000VR   | M12 x 1.75 | 80.0 | 18.0 | 12.0           | 10.0 | 6.0            | 250       |

## Innensechskantschrauben

### SR 1974

#### Nylon 6.6, natur

- Maßtoleranzen ähnlich NF E 25-125, DIN 912



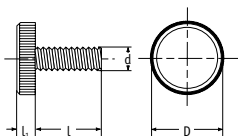


# SCHRAUBEN UND MUTTERN AUS NYLON

## Rändelschrauben

SR 1976

Nylon 6.6, natur

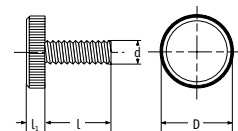


| Artikelnummer | Maße (mm) |      |      |                | Stück/VPE |
|---------------|-----------|------|------|----------------|-----------|
|               | d         | D    | l    | l <sub>1</sub> |           |
| 0140230000VR  | M4 x 0.7  | 16.0 | 25.0 | 3.4            | 1000      |
| 0140240000VR  | M4 x 0.7  | 16.0 | 30.0 | 3.4            | 1000      |
| 0140250000VR  | M4 x 0.7  | 16.0 | 40.0 | 3.4            | 1000      |
| 0140320000VR  | M5 x 0.8  | 16.0 | 15.0 | 3.4            | 1000      |
| 0140330000VR  | M5 x 0.8  | 16.0 | 20.0 | 3.4            | 1000      |
| 0140340000VR  | M5 x 0.8  | 16.0 | 25.0 | 3.4            | 1000      |
| 0140350000VR  | M5 x 0.8  | 16.0 | 30.0 | 3.4            | 1000      |
| 0140360000VR  | M5 x 0.8  | 16.0 | 40.0 | 3.4            | 1000      |
| 0140390000VR  | M6 x 1.0  | 16.0 | 6.5  | 3.4            | 1000      |
| 0140410000VR  | M6 x 1.0  | 16.0 | 8.0  | 3.4            | 1000      |
| 0140420000VR  | M6 x 1.0  | 16.0 | 10.0 | 3.4            | 1000      |
| 0140430000VR  | M6 x 1.0  | 16.0 | 12.0 | 3.4            | 1000      |
| 0140450000VR  | M6 x 1.0  | 16.0 | 16.0 | 3.4            | 1000      |
| 0140460000VR  | M6 x 1.0  | 16.0 | 20.0 | 3.4            | 1000      |
| 0140470000VR  | M6 x 1.0  | 16.0 | 22.0 | 3.4            | 1000      |
| 0140480000VR  | M6 x 1.0  | 16.0 | 25.0 | 3.4            | 1000      |
| 0140500000VR  | M6 x 1.0  | 16.0 | 30.0 | 3.4            | 1000      |
| 0140650000VR  | M8 x 1.25 | 16.0 | 10.0 | 3.4            | 1000      |
| 0140680000VR  | M8 x 1.25 | 16.0 | 16.0 | 3.4            | 1000      |
| 0140690000VR  | M8 x 1.25 | 16.0 | 20.0 | 3.4            | 1000      |
| 0140700000VR  | M8 x 1.25 | 16.0 | 25.0 | 3.4            | 1000      |
| 0140710000VR  | M8 x 1.25 | 16.0 | 30.0 | 3.4            | 1000      |
| 0140720000VR  | M8 x 1.25 | 16.0 | 35.0 | 3.4            | 1000      |
| 0141850000VR  | M10 x 1.5 | 16.0 | 16.0 | 3.4            | 500       |
| 0140860000VR  | M10 x 1.5 | 16.0 | 20.0 | 3.4            | 500       |
| 0140880000VR  | M10 x 1.5 | 16.0 | 30.0 | 3.4            | 500       |
| 0400230000VR  | M4 x 0.7  | 30.0 | 25.0 | 5.0            | 1000      |
| 0400410000VR  | M6 x 1.0  | 30.0 | 8.0  | 5.0            | 1000      |
| 0400420000VR  | M6 x 1.0  | 30.0 | 10.0 | 5.0            | 1000      |
| 0400450000VR  | M6 x 1.0  | 30.0 | 16.0 | 5.0            | 1000      |
| 0400470000VR  | M6 x 1.0  | 30.0 | 22.0 | 5.0            | 1000      |
| 0400480000VR  | M6 x 1.0  | 30.0 | 25.0 | 5.0            | 1000      |
| 0400500000VR  | M6 x 1.0  | 30.0 | 30.0 | 5.0            | 1000      |
| 0400650000VR  | M8 x 1.25 | 30.0 | 10.0 | 5.0            | 1000      |
| 0400680000VR  | M8 x 1.25 | 30.0 | 16.0 | 5.0            | 1000      |
| 0400690000VR  | M8 x 1.25 | 30.0 | 20.0 | 5.0            | 1000      |
| 0400700000VR  | M8 x 1.25 | 30.0 | 25.0 | 5.0            | 1000      |
| 0400710000VR  | M8 x 1.25 | 30.0 | 30.0 | 5.0            | 1000      |
| 0400720000VR  | M8 x 1.25 | 30.0 | 35.0 | 5.0            | 1000      |
| 0401850000VR  | M10 x 1.5 | 30.0 | 16.0 | 5.0            | 500       |
| 0400860000VR  | M10 x 1.5 | 30.0 | 20.0 | 5.0            | 1000      |
| 0400880000VR  | M10 x 1.5 | 30.0 | 30.0 | 5.0            | 1000      |

## Rändelschrauben - schwarz

SR 1976

Nylon 6.6, schwarz

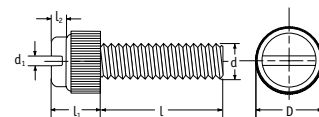


| Artikelnummer | Maße (mm) |      |      |                | Stück/VPE |
|---------------|-----------|------|------|----------------|-----------|
|               | d         | D    | l    | l <sub>1</sub> |           |
| 0140230001VR  | M4 x 0.7  | 16.0 | 25.0 | 3.4            | 100       |
| 0140240001VR  | M4 x 0.7  | 16.0 | 30.0 | 3.4            | 100       |
| 0140250001VR  | M4 x 0.7  | 16.0 | 40.0 | 3.4            | 100       |
| 0140320001VR  | M5 x 0.8  | 16.0 | 15.0 | 3.4            | 100       |
| 0140330001VR  | M5 x 0.8  | 16.0 | 20.0 | 3.4            | 100       |
| 0140340001VR  | M5 x 0.8  | 16.0 | 25.0 | 3.4            | 100       |
| 0140350001VR  | M5 x 0.8  | 16.0 | 30.0 | 3.4            | 100       |
| 0140360001VR  | M5 x 0.8  | 16.0 | 40.0 | 3.4            | 100       |
| 0140390001VR  | M6 x 1.0  | 16.0 | 6.5  | 3.4            | 100       |
| 0140410001VR  | M6 x 1.0  | 16.0 | 8.0  | 3.4            | 100       |
| 0140420001VR  | M6 x 1.0  | 16.0 | 10.0 | 3.4            | 100       |
| 0140430001VR  | M6 x 1.0  | 16.0 | 12.0 | 3.4            | 100       |
| 0140450001VR  | M6 x 1.0  | 16.0 | 16.0 | 3.4            | 100       |
| 0140460001VR  | M6 x 1.0  | 16.0 | 20.0 | 3.4            | 100       |
| 0140470001VR  | M6 x 1.0  | 16.0 | 22.0 | 3.4            | 100       |
| 0140480001VR  | M6 x 1.0  | 16.0 | 25.0 | 3.4            | 100       |
| 0140500001VR  | M6 x 1.0  | 16.0 | 30.0 | 3.4            | 100       |

## Rändelkopfschrauben mit Schlitz

SR 1977

Nylon 6.6, natur



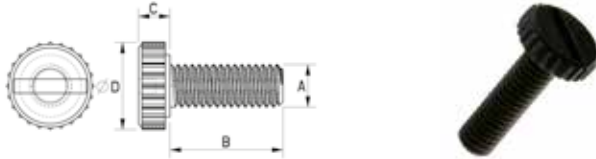
| Artikelnummer | Maße (mm) |      |      |                |                |                | Stück/VPE |
|---------------|-----------|------|------|----------------|----------------|----------------|-----------|
|               | d         | l    | D    | l <sub>1</sub> | d <sub>1</sub> | l <sub>2</sub> |           |
| 0330000000VR  | M3 x 0.5  | 4.0  | 8.1  | 5.5            | 1.0            | 1.1            | 1000      |
| 0330010000VR  | M3 x 0.5  | 5.0  | 8.1  | 5.5            | 1.0            | 1.1            | 1000      |
| 0330020000VR  | M3 x 0.5  | 6.0  | 8.1  | 5.5            | 1.0            | 1.1            | 1000      |
| 0330030000VR  | M3 x 0.5  | 8.0  | 8.1  | 5.5            | 1.0            | 1.1            | 1000      |
| 0330040000VR  | M3 x 0.5  | 10.0 | 8.1  | 5.5            | 1.0            | 1.1            | 1000      |
| 0330050000VR  | M3 x 0.5  | 12.0 | 8.1  | 5.5            | 1.0            | 1.1            | 1000      |
| 0330060000VR  | M3 x 0.5  | 16.0 | 8.1  | 5.5            | 1.0            | 1.1            | 1000      |
| 0330070000VR  | M3 x 0.5  | 20.0 | 8.1  | 5.5            | 1.0            | 1.1            | 1000      |
| 0330080000VR  | M3 x 0.5  | 25.0 | 8.1  | 5.5            | 1.0            | 1.1            | 1000      |
| 0330090000VR  | M3 x 0.5  | 30.0 | 8.1  | 5.5            | 1.0            | 1.1            | 1000      |
| 0330130000VR  | M4 x 0.7  | 6.0  | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330140000VR  | M4 x 0.7  | 8.0  | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330150000VR  | M4 x 0.7  | 10.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330160000VR  | M4 x 0.7  | 12.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330170000VR  | M4 x 0.7  | 16.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330180000VR  | M4 x 0.7  | 20.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330190000VR  | M4 x 0.7  | 25.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330200000VR  | M4 x 0.7  | 30.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330210000VR  | M4 x 0.7  | 35.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330220000VR  | M4 x 0.7  | 40.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330240000VR  | M5 x 0.8  | 8.0  | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330250000VR  | M5 x 0.8  | 10.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330260000VR  | M5 x 0.8  | 12.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330270000VR  | M5 x 0.8  | 16.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330280000VR  | M5 x 0.8  | 20.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330300000VR  | M5 x 0.8  | 30.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330310000VR  | M5 x 0.8  | 40.0 | 10.5 | 8.1            | 1.4            | 1.7            | 1000      |
| 0330340000VR  | M6 x 1.0  | 10.0 | 12.3 | 8.3            | 1.5            | 2.2            | 1000      |
| 0330350000VR  | M6 x 1.0  | 12.0 | 12.3 | 8.3            | 1.5            | 2.2            | 1000      |
| 0330360000VR  | M6 x 1.0  | 16.0 | 12.3 | 8.3            | 1.5            | 2.2            | 1000      |
| 0330370000VR  | M6 x 1.0  | 20.0 | 12.3 | 8.3            | 1.5            | 2.2            | 1000      |
| 0330390000VR  | M6 x 1.0  | 25.0 | 12.3 | 8.3            | 1.5            | 2.2            | 1000      |
| 0330500000VR  | M6 x 1.0  | 30.0 | 12.3 | 8.3            | 1.5            | 2.2            | 1000      |
| 0330510000VR  | M6 x 1.0  | 40.0 | 12.3 | 8.3            | 1.5            | 2.2            | 1000      |
| 0330410000VR  | M6 x 1.0  | 45.0 | 12.3 | 8.3            | 1.5            | 2.2            | 1000      |
| 0330420000VR  | M6 x 1.0  | 50.0 | 12.3 | 8.3            | 1.5            | 2.2            | 500       |

## Rändelschrauben mit Schlitz

SR 5741

Nylon und 30 % Glasfaser

- Gerändelter Kopf für zusätzliche Griffigkeit
- Beständig gegen zahlreiche Flüssigkeiten und Chemikalien

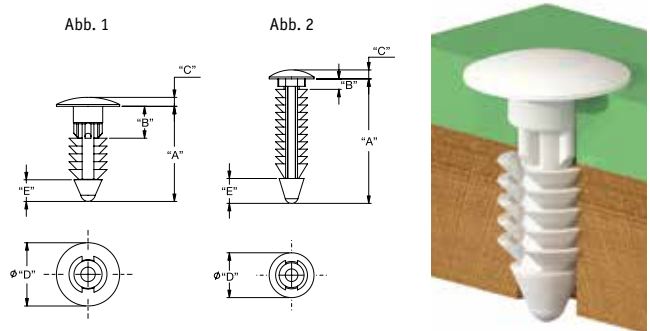


| Artikelnummer | Maße (mm) |    |     |    | Stück/VPE |
|---------------|-----------|----|-----|----|-----------|
|               | A         | B  | C   | D  |           |
| 140040669916  | M4        | 6  | 4.0 | 13 | 100       |
| 140041069916  | M4        | 10 | 4.0 | 13 | 100       |
| 140041569916  | M4        | 15 | 4.0 | 13 | 100       |
| 140042069916  | M4        | 20 | 4.0 | 13 | 100       |
| 140051069916  | M5        | 10 | 4.0 | 13 | 100       |
| 140051569916  | M5        | 15 | 4.0 | 13 | 100       |
| 140052069916  | M5        | 20 | 4.0 | 13 | 100       |
| 140061069916  | M6        | 10 | 4.0 | 13 | 100       |
| 140061369916  | M6        | 13 | 4.0 | 13 | 100       |
| 140061569916  | M6        | 15 | 4.0 | 13 | 100       |
| 140062069916  | M6        | 20 | 4.0 | 13 | 100       |

## Sperrklinkenverschluss

PL

Material: Polyamid 6/6, RMS-01



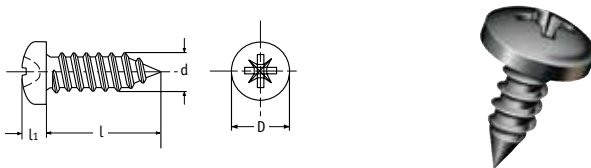
| Farbe: Natur | Farbe: schwarz | Maße (mm) |     |     |      |     | Bohrungsdurchmesser | Abb. | Stück/VPE |
|--------------|----------------|-----------|-----|-----|------|-----|---------------------|------|-----------|
|              |                | A         | B   | C   | D    | E   |                     |      |           |
| PL-250-10-01 | PL-250-10-01BK | 15.4      | 3.2 | 2   | 12.7 | 4.1 | 6.35                | 1    | 1000      |
| PL-250-12-01 | PL-250-12-01BK | 19.1      | 6.7 | 1.8 | 12.7 | 4.1 | 6.35                | 1    | 1000      |
| PL-250-20-01 | PL-250-20-01BK | 25        | 2.1 | 1.8 | 9    | 5   | 5.5                 | 2    | 1000      |

## Flachkopf - Blechschrauben mit Kreuzschlitz

SR 1983

Schwarzes Polyphthalamid, 45 % Glasfaser

- Maßtoleranzen ähnlich NF E 25-658



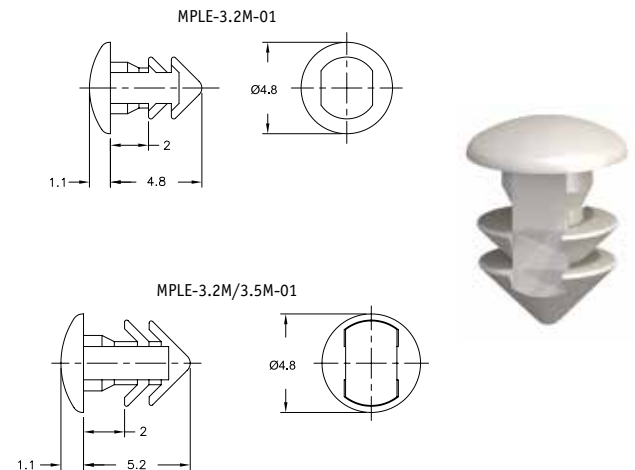
| Artikelnummer | Maße (mm) |      |      |     | Stück/VPE |
|---------------|-----------|------|------|-----|-----------|
|               | d         | l    | D    | l1  |           |
| 6580111301VR  | 3.5       | 6.5  | 8.0  | 3.1 | 1000      |
| 6580121301VR  | 3.5       | 9.5  | 8.0  | 3.1 | 1000      |
| 6580131301VR  | 3.5       | 13.0 | 8.0  | 3.1 | 1000      |
| 6580141301VR  | 3.5       | 16.0 | 8.0  | 3.1 | 1000      |
| 6580181301VR  | 4.2       | 9.5  | 8.0  | 3.1 | 1000      |
| 6580191301VR  | 4.2       | 13.0 | 8.0  | 3.1 | 1000      |
| 6580201301VR  | 4.2       | 16.0 | 8.0  | 3.1 | 1000      |
| 6580251301VR  | 4.8       | 9.5  | 9.5  | 3.7 | 1000      |
| 6580261301VR  | 4.8       | 13.0 | 9.5  | 3.7 | 1000      |
| 6580271301VR  | 4.8       | 16.0 | 9.5  | 3.7 | 1000      |
| 6580281301VR  | 4.8       | 19.0 | 9.5  | 3.7 | 1000      |
| 6580291301VR  | 4.8       | 22.0 | 9.5  | 3.7 | 1000      |
| 6580321301VR  | 4.5       | 39.7 | 9.3  | 3.5 | 1000      |
| 6580351301VR  | 5.5       | 19.0 | 9.5  | 3.7 | 1000      |
| 6580411301VR  | 6.3       | 16.0 | 12.0 | 4.6 | 1000      |
| 6580421301VR  | 6.3       | 19.0 | 12.0 | 4.6 | 1000      |
| 6580441301VR  | 6.3       | 25.0 | 12.0 | 4.6 | 1000      |
| 6580551301VR  | 8.0       | 50.0 | 16.0 | 6.0 | 500       |
| 6580701301VR  | 9.5       | 60.0 | 20.0 | 7.5 | 500       |

## Miniatur-Sperrklinkenverschlüsse

MPL

Material UL94 V2 Polyamid 6/6, RMS-01

Material UL94 V0 Polyamid 6/6, RMS-19



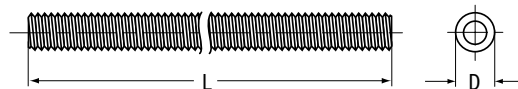
| Farbe: natur<br>RMS-01 | Farbe: schwarz<br>RMS-01BK | Farbe: natur<br>RMS-19 | Bohrungs-<br>Ø | Gesamtstärke | Stück/<br>VPE |
|------------------------|----------------------------|------------------------|----------------|--------------|---------------|
| MPL-3.2M-01            | MPL-3.2M-01BK              | MPL-3.2M-19            | 3.2            | 1.85 Max     | 1000          |
| MPL-3.2M/3.5M-01       | MPL-3.2M/3.5MBK            | MPL-3.2M/3.5M-19       | 3.2-3.5        | 1.85 Max     | 1000          |

# SCHRAUBEN UND MUTTERN AUS NYLON

## Gewindestangen - 100 cm

SR 1985

Nylon 6.6, natur



| Artikelnummer | Maße (mm)  |      | Stück/VPE |
|---------------|------------|------|-----------|
|               | D          | L    |           |
| 0060010000VR  | M3 x 0.5   | 1000 | 10        |
| 0060020000VR  | M4 x 0.7   | 1000 | 10        |
| 0060030000VR  | M5 x 0.8   | 1000 | 10        |
| 0060040000VR  | M6 x 1.0   | 1000 | 10        |
| 0060050000VR  | M8 x 1.25  | 1000 | 10        |
| 0060060000VR  | M10 x 1.5  | 1000 | 5         |
| 0060070000VR  | M12 x 1.75 | 1000 | 5         |
| 0060080000VR  | M14 x 2.0  | 1000 | 5         |
| 0060090000VR  | M16 x 2.0  | 1000 | 5         |
| 0060100000VR  | M18 x 2.5  | 1000 | 5         |
| 0060110000VR  | M20 x 2.5  | 1000 | 5         |
| 0060120000VR  | M24 x 3.0  | 1000 | 5         |

## Gewindestangen - 20 cm

SR 1985

Nylon 6.6, natur

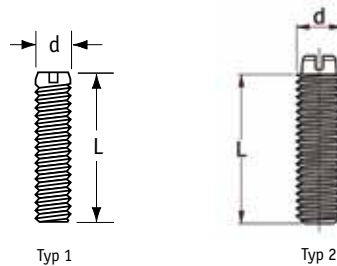
| Artikelnummer | Size | L (mm) | Stück/VPE |
|---------------|------|--------|-----------|
| 072042000002  | M4   | 200    | 25        |
| 072052000002  | M5   | 200    | 25        |
| 072062000002  | M6   | 200    | 25        |
| 072082000002  | M8   | 200    | 10        |
| 072102000002  | M10  | 200    | 10        |
| 072122000002  | M12  | 200    | 10        |

## Gewindestifte

SR 1957

Nylon 6.6, natur

- Maßtoleranzen ähnlich DIN 551



| Artikelnummer | Maße (mm) |      |              | Typ | Stück/VPE |
|---------------|-----------|------|--------------|-----|-----------|
|               | d         | L    | Schlitzgröße |     |           |
| 0150060000VR  | M3 x 0.5  | 5.0  | 1.5 x 0.5    | 2   | 1000      |
| 0150070000VR  | M3 x 0.5  | 6.0  | 1.5 x 0.5    | 2   | 1000      |
| 0150080000VR  | M3 x 0.5  | 8.0  | 1.5 x 0.5    | 2   | 1000      |
| 0090090000VR  | M3 x 0.5  | 10.0 | 1.5 x 0.5    | 2   | 1000      |
| 0090100000VR  | M3 x 0.5  | 12.0 | 1.5 x 0.5    | 2   | 1000      |
| 464266        | M4 x 0.7  | 6.0  | 2.0 x 0.65   | 2   | 100       |
| 464267        | M4 x 0.7  | 8.0  | 2.0 x 0.65   | 2   | 100       |
| 464268        | M4 x 0.7  | 10.0 | 2.0 x 0.65   | 2   | 100       |
| 464269        | M4 x 0.7  | 12.0 | 2.0 x 0.65   | 2   | 100       |
| 464270        | M4 x 0.7  | 16.0 | 2.0 x 0.65   | 2   | 100       |
| 464271        | M4 x 0.7  | 20.0 | 2.0 x 0.65   | 1   | 100       |
| 464272        | M4 x 0.7  | 25.0 | 2.0 x 0.65   | 1   | 100       |
| 464273        | M4 x 0.7  | 30.0 | 2.0 x 0.65   | 1   | 100       |
| 600260        | M5 x 0.8  | 8.0  | 3.3 x 0.9    | 1   | 100       |
| 464276        | M5 x 0.8  | 10.0 | 3.3 x 0.9    | 2   | 100       |
| 464277        | M5 x 0.8  | 12.0 | 3.3 x 0.9    | 2   | 100       |
| 464278        | M5 x 0.8  | 16.0 | 3.3 x 0.9    | 2   | 100       |
| 464279        | M5 x 0.8  | 20.0 | 3.3 x 0.9    | 2   | 100       |
| 464280        | M5 x 0.8  | 25.0 | 3.3 x 0.9    | 2   | 100       |
| 464281        | M5 x 0.8  | 30.0 | 3.3 x 0.9    | 1   | 100       |
| 464282        | M6 x 1.0  | 8.0  | 4.1 x 1.0    | 1   | 100       |

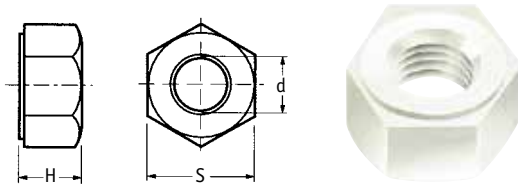
| Artikelnummer | Maße (mm)  |      |              | Typ | Stück/VPE |
|---------------|------------|------|--------------|-----|-----------|
|               | d          | L    | Schlitzgröße |     |           |
| 464283        | M6 x 1.0   | 10.0 | 4.1 x 1.0    | 2   | 100       |
| 464284        | M6 x 1.0   | 12.0 | 4.1 x 1.0    | 2   | 100       |
| 464285        | M6 x 1.0   | 16.0 | 4.1 x 1.0    | 2   | 100       |
| 464286        | M6 x 1.0   | 20.0 | 4.1 x 1.0    | 2   | 100       |
| 464287        | M6 x 1.0   | 30.0 | 4.1 x 1.0    | 2   | 100       |
| 464289        | M6 x 1.0   | 50.0 | 4.1 x 1.0    | 1   | 100       |
| 464290        | M6 x 1.0   | 60.0 | 4.1 x 1.0    | 1   | 100       |
| 464291        | M8 x 1.25  | 8.0  | 5.2 x 1.6    | 1   | 100       |
| 0150050000VR  | M8 x 1.25  | 10.0 | 5.2 x 1.6    | 2   | 100       |
| 464293        | M8 x 1.25  | 16.0 | 5.2 x 1.6    | 2   | 100       |
| 464294        | M8 x 1.25  | 20.0 | 5.2 x 1.6    | 2   | 100       |
| 464295        | M8 x 1.25  | 25.0 | 5.2 x 1.6    | 2   | 100       |
| 464296        | M8 x 1.25  | 30.0 | 5.2 x 1.6    | 2   | 100       |
| 464298        | M8 x 1.25  | 50.0 | 5.2 x 1.6    | 1   | 100       |
| 464299        | M10 x 1.5  | 16.0 | 6.6 x 2.3    | 1   | 100       |
| 464300        | M10 x 1.5  | 20.0 | 6.6 x 2.3    | 1   | 100       |
| 464301        | M10 x 1.5  | 30.0 | 6.6 x 2.3    | 1   | 100       |
| 464303        | M10 x 1.5  | 50.0 | 6.6 x 2.3    | 1   | 100       |
| 464304        | M10 x 1.5  | 60.0 | 6.6 x 2.3    | 1   | 100       |
| 0091010000VR  | M12 x 1.75 | 16.0 | 8.4 x 1.8    | 1   | 100       |
| 0091970000VR  | M12 x 1.75 | 20.0 | 8.4 x 1.8    | 1   | 100       |

## Sechskantmuttern

SR 1954

Nylon 6.6, natur

- Maßtoleranzen ähnlich NF E 2403, ISO 4032, DIN 555, DIN 934



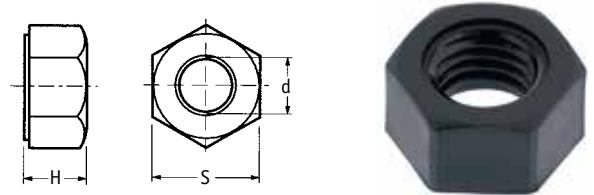
| Artikelnummer | Maße (mm)   |      |      | Stück/VPE |
|---------------|-------------|------|------|-----------|
|               | d           | H    | S    |           |
| 0030140000VR  | M2 x 0.4    | 1.6  | 4.0  | 1000      |
| 468786        | M2.5 x 0.45 | 2.0  | 5.0  | 1000      |
| 496239        | M3 x 0.5    | 2.4  | 5.5  | 1000      |
| 496240        | M4 x 0.7    | 3.2  | 7.0  | 1000      |
| 0030030000VR  | M5 x 0.8    | 4.2  | 8.0  | 1000      |
| 0030040000VR  | M6 x 1.0    | 5.0  | 10.0 | 1000      |
| 0030050000VR  | M8 x 1.25   | 6.5  | 13.0 | 1000      |
| 0030060000VR  | M10 x 1.5   | 8.0  | 17.0 | 1000      |
| 0030070000VR  | M12 x 1.75  | 10.8 | 18.0 | 500       |
| 0030080000VR  | M14 x 2.0   | 12.8 | 21.0 | 500       |
| 0030090000VR  | M16 x 2.0   | 14.8 | 24.0 | 250       |
| 0030110000VR  | M20 x 2.5   | 18.0 | 30.0 | 250       |
| 0030120000VR  | M24 x 3.0   | 21.5 | 36.0 | 250       |

## Sechskantmuttern - schwarz

SR 1954

Nylon 6.6, schwarz

- Maßtoleranzen ähnlich NF E 2403, ISO 4032, DIN 555, DIN 934

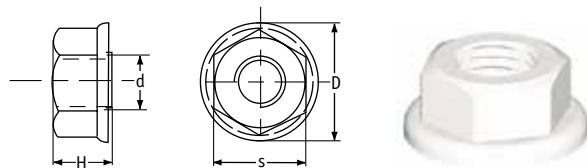


| Artikelnummer | Maße (mm)  |      |      | Stück/VPE |
|---------------|------------|------|------|-----------|
|               | d          | H    | S    |           |
| 496241        | M3 x 0.5   | 2.4  | 5.5  | 100       |
| 496242        | M4 x 0.7   | 3.2  | 7.0  | 100       |
| 0030030001VR  | M5 x 0.8   | 4.2  | 8.0  | 100       |
| 0030040001VR  | M6 x 1.0   | 5.0  | 10.0 | 100       |
| 0030050001VR  | M8 x 1.25  | 6.5  | 13.0 | 100       |
| 0030060001VR  | M10 x 1.5  | 8.0  | 17.0 | 100       |
| 0030070001VR  | M12 x 1.75 | 10.8 | 18.0 | 100       |

## Sechskantmuttern mit Flansch

SR 1966

Nylon 6.6, natur

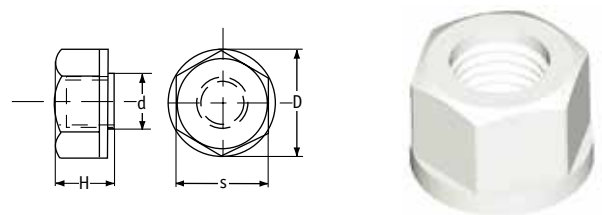


| Artikelnummer | Maße (mm)  |      |      |      | Stück/VPE |
|---------------|------------|------|------|------|-----------|
|               | d          | D    | H    | s    |           |
| 43534         | M3 x 0.5   | 7.0  | 3.2  | 5.5  | 1000      |
| 43535         | M4 x 0.7   | 9.4  | 4.1  | 7.0  | 1000      |
| 43536         | M5 x 0.8   | 11.0 | 5.1  | 8.0  | 1000      |
| 43537         | M6 x 1.0   | 13.0 | 6.0  | 10.0 | 1000      |
| 43538         | M8 x 1.25  | 17.0 | 8.0  | 13.0 | 1000      |
| 1284116       | M10 x 1.5  | 22.0 | 9.5  | 16.0 | 1000      |
| 1284114       | M12 x 1.75 | 28.0 | 14.4 | 18.7 | 500       |
| 1284115       | M16 x 2.0  | 36.0 | 15.8 | 23.7 | 100       |

## Selbstsichernde Sechskantmuttern

SR 1987

Nylon 6.6, natur



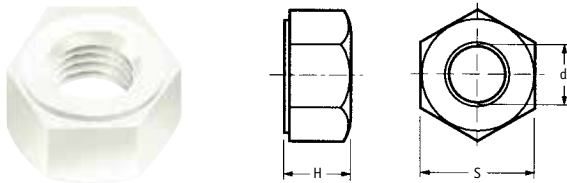
| Artikelnummer | Maße (mm) |      |     |      | Stück/VPE |
|---------------|-----------|------|-----|------|-----------|
|               | d         | D    | H   | s    |           |
| 0600030000VR  | M5 x 0.8  | 9.5  | 6.5 | 8.0  | 1000      |
| 0600040000VR  | M6 x 1.0  | 11.4 | 7.3 | 10.0 | 1000      |
| 0600050000VR  | M8 x 1.25 | 16.2 | 9.0 | 14.0 | 1000      |

## Sechskantmuttern - PP

SR 1906

Polypropylen, natur

- Maßtoleranzen ähnlich NF E2403, ISO 4032, DIN 555, DIN 934



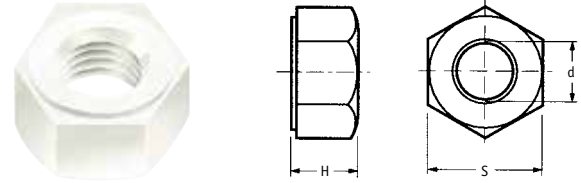
| Artikelnummer | Maße (mm)  |      |      | Stück/VPE |
|---------------|------------|------|------|-----------|
|               | d          | H    | S    |           |
| 0030030300VR  | M5 x 0.8   | 4.2  | 8.0  | 100       |
| 0030040300VR  | M6 x 1.0   | 5.0  | 10.0 | 100       |
| 0030050300VR  | M8 x 1.25  | 6.5  | 13.0 | 100       |
| 0030060300VR  | M10 x 1.5  | 8.0  | 17.0 | 100       |
| 0030070300VR  | M12 x 1.75 | 10.8 | 18.0 | 100       |
| 0030090300VR  | M16 x 2.0  | 14.8 | 24.0 | 100       |

## Sechskantmuttern - PVDF

SR 1905

PVDF, natur

- Maßtoleranzen ähnlich NF E 2403, ISO 4032, DIN 555, DIN 934

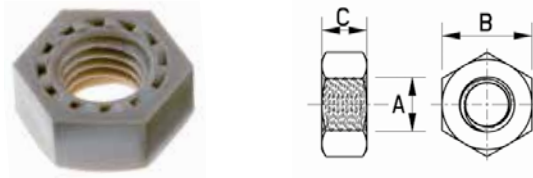


| Artikelnummer | Maße (mm)  |      |      | Stück/VPE |
|---------------|------------|------|------|-----------|
|               | d          | H    | S    |           |
| 0030010500VR  | M3 x 0.5   | 2.4  | 5.5  | 100       |
| 0030030500VR  | M5 x 0.8   | 4.2  | 8.0  | 100       |
| 0030040500VR  | M6 x 1.0   | 5.0  | 10.0 | 100       |
| 0030050500VR  | M8 x 1.25  | 6.5  | 13.0 | 100       |
| 0030060500VR  | M10 x 1.5  | 8.0  | 17.0 | 100       |
| 0030070500VR  | M12 x 1.75 | 10.8 | 18.0 | 100       |
| 0030090500VR  | M16 x 2.0  | 14.8 | 24.0 | 100       |

## PEEK® Sechskantmutter

SR 2014

- Aus PEEK®
- Farbe: hellbraun
- Betriebstemperatur 180°C
- Beständig gegen die meisten Chemikalien
- Flammwidrigkeit: UL94 V-0



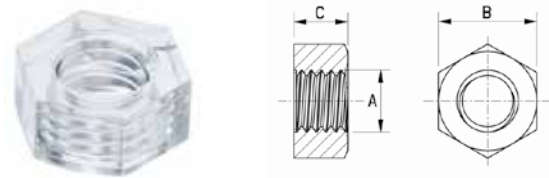
| Artikelnummer | Maße (mm) |      |     | Stück/VPE |
|---------------|-----------|------|-----|-----------|
|               | A         | B    | C   |           |
| 184020070409  | M2.6      | 5.0  | 2.0 | 25        |
| 184030070409  | M3        | 5.5  | 2.4 | 25        |
| 184040070409  | M4        | 7.0  | 3.2 | 25        |
| 184050070409  | M5        | 8.0  | 4.0 | 25        |
| 184060070409  | M6        | 10.0 | 5.0 | 25        |
| 184080070409  | M8        | 13.0 | 6.5 | 25        |
| 184100070409  | M10       | 17.0 | 8.0 | 25        |

## Mutter, transparent

SR 1926

Polycarbonat

- Hoch transparente Befestigung
- Ideal für die Konstruktion von POS-Displays



| Artikelnummer | Maße (mm) |      |     | Stück/VPE |
|---------------|-----------|------|-----|-----------|
|               | A         | B    | C   |           |
| 170000200022  | M2        | 4.0  | 1.6 | 100       |
| 170002500022  | M2.6      | 5.0  | 2.4 | 100       |
| 170000300022  | M3        | 5.5  | 2.5 | 100       |
| 170000400022  | M4        | 8.0  | 3.3 | 100       |
| 170000500022  | M5        | 8.0  | 4.4 | 100       |
| 170000600022  | M6        | 10.0 | 5.0 | 100       |
| 170000800022  | M8        | 13.0 | 6.5 | 100       |

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POS- UND DISPLAY-LÖSUNGEN AN.**



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**www.essentracomponents.de**

# SCHRAUBEN UND MUTTERN AUS NYLON

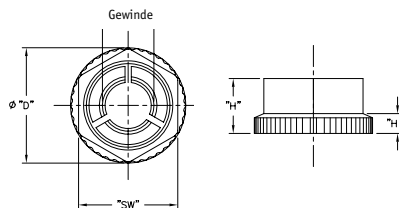
## Steckmutter

KNF

Nylon 6/6, RMS-48, schwarz



- Für Presssitz über Bolzen mit Gewinde. Die Montage erfolgt dadurch, dass man die Mutter einfach über das Gewinde drückt und mit einer 180°-Drehung festzieht.



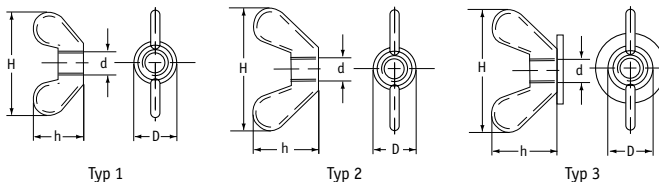
| Artikelnummer | Gewinde | Maße (mm) |     |     |      | Stück/VPE |
|---------------|---------|-----------|-----|-----|------|-----------|
|               |         | "SW"      | "D" | "H" | "H1" |           |
| KNF-30        | M3      | 7         | 8.2 | 4   | 1.5  | 1000      |
| KNF-40        | M4      | 8         | 9.4 | 4.7 | 1.5  | 1000      |

## Flügelmutter

SR 1956

Nylon 6.6, natur

- Typ 1 - mit kleinem Kopf
- Typ 2 - mit größeren Flügeln für einfacheres Drehen
- Typ 3 - mit Bund

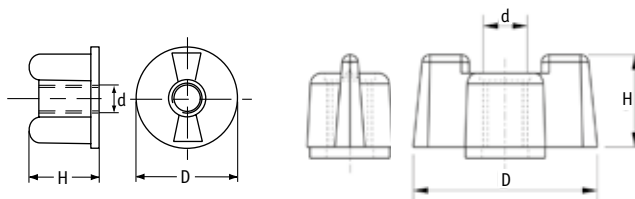


| Artikelnummer | Typ | Maße (mm) |      |      |      | Stück/VPE |
|---------------|-----|-----------|------|------|------|-----------|
|               |     | d         | D    | H    | h    |           |
| 0480510000VR  | 1   | M3 x 0.5  | 10.0 | 25.0 | 12.0 | 1000      |
| 0480520000VR  | 1   | M4 x 0.7  | 10.0 | 25.0 | 12.0 | 1000      |
| 0480530000VR  | 1   | M5 x 0.8  | 10.0 | 25.0 | 12.0 | 1000      |
| 0480540000VR  | 1   | M6 x 1.0  | 10.0 | 25.0 | 12.0 | 1000      |
| 0500020000VR  | 2   | M4 x 0.7  | 14.0 | 35.0 | 22.0 | 1000      |
| 0500030000VR  | 2   | M5 x 0.8  | 14.0 | 35.0 | 22.0 | 1000      |
| 0500040000VR  | 2   | M6 x 1.0  | 14.0 | 35.0 | 22.0 | 1000      |
| 0500050000VR  | 2   | M8 x 1.25 | 14.0 | 35.0 | 22.0 | 1000      |
| 467000        | 2   | M10 x 1.5 | 17.0 | 41.0 | 25.0 | 1000      |
| 0510020000VR  | 3   | M4 x 0.7  | 24.0 | 35.0 | 24.0 | 1000      |
| 0510030000VR  | 3   | M5 x 0.8  | 24.0 | 35.0 | 24.0 | 1000      |
| 0510040000VR  | 3   | M6 x 1.0  | 24.0 | 35.0 | 24.0 | 1000      |
| 0510050000VR  | 3   | M8 x 1.25 | 24.0 | 35.0 | 24.0 | 1000      |

## Griffmutter mit Flügel

SR 1988

Nylon, natur



Typ 1



Typ 2

| Artikelnummer | Maße (mm) |    |    | Typ | Stück/VPE |
|---------------|-----------|----|----|-----|-----------|
|               | d         | D  | H  |     |           |
| 0680020000VR  | M4        | 22 | 13 | 1   | 1000      |
| 0680030000VR  | M5        | 22 | 13 | 1   | 1000      |
| 0680100000VR  | M6        | 22 | 13 | 1   | 1000      |
| 467001        | M8        | 22 | 13 | 1   | 1000      |
| 053040060002* | M4        | 25 | 14 | 2   | 100       |
| 053050060002* | M5        | 25 | 14 | 2   | 100       |
| 053060060002* | M6        | 25 | 14 | 2   | 100       |
| 053080000002  | M8        | 26 | 16 | 2   | 100       |

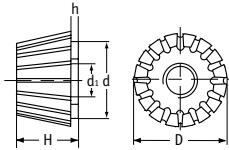
\* Reinweiß - RAL 9010

## Kegel- und Rändelmuttern

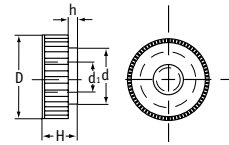
SR 1989

Nylon 6.6, natur

- Typ 1 - kegelförmige Ausführung
- Typ 2 - Standardausführung



Typ 1



Typ 2



### Typ 1

| Artikelnummer | Maße (mm) |      |      |      |     | Stück/VPE |
|---------------|-----------|------|------|------|-----|-----------|
|               | d         | D    | d1   | H    | h   |           |
| 0580020000VR  | M4 x 0.7  | 16.0 | 14.0 | 12.0 | 1.0 | 1000      |
| 0580030000VR  | M5 x 0.8  | 16.0 | 14.0 | 12.0 | 1.0 | 1000      |
| 0580040000VR  | M6 x 1.0  | 16.0 | 14.0 | 12.0 | 1.0 | 1000      |
| 0580050000VR  | M8 x 1.25 | 16.0 | 14.0 | 12.0 | 1.0 | 1000      |

### Typ 2

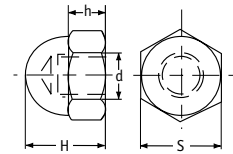
| Artikelnummer | Maße (mm) |      |      |     |     | Stück/VPE |
|---------------|-----------|------|------|-----|-----|-----------|
|               | d         | D    | d1   | H   | h   |           |
| 0760040000VR  | M4 x 0.7  | 16.0 | 10.0 | 8.0 | 3.5 | 1000      |
| 0760050000VR  | M5 x 0.8  | 16.0 | 10.0 | 8.0 | 3.5 | 1000      |
| 0760060000VR  | M6 x 1.0  | 16.0 | 10.0 | 8.0 | 3.5 | 1000      |
| 0660020000VR  | M4 x 0.7  | 16.0 | 10.0 | 6.0 | 1.4 | 1000      |
| 0660030000VR  | M5 x 0.8  | 16.0 | 10.0 | 6.0 | 1.4 | 1000      |
| 0660040000VR  | M6 x 1.0  | 16.0 | 10.0 | 6.0 | 1.4 | 1000      |
| 0770040000VR  | M4 x 0.7  | 20.0 | 10.0 | 8.0 | 3.5 | 1000      |
| 0770050000VR  | M5 x 0.8  | 20.0 | 10.0 | 8.0 | 3.5 | 1000      |
| 0770060000VR  | M6 x 1.0  | 20.0 | 10.0 | 8.0 | 3.5 | 1000      |
| 0770080000VR  | M8 x 1.25 | 20.0 | 10.0 | 8.0 | 3.5 | 1000      |

## Hutmuttern

SR 1955

Nylon 6.6, natur

- Maßtoleranzen ähnlich NF E 27-453, DIN 1587



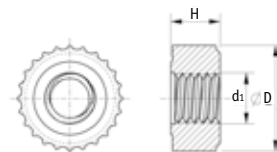
| Artikelnummer |              | Maße (mm) |      |      |      | Stück/VPE |
|---------------|--------------|-----------|------|------|------|-----------|
| Weiß          | Schwarz      | d         | H    | h    | s    |           |
| 0550010000VR  | 0550010001VR | M3x0.5    | 6.0  | 3.0  | 5.5  | 1000      |
| NNE-1587-M4   | -            | M4x0.7    | 8.0  | 3.2  | 7.0  | 1000      |
| 0550030000VR  | 0550030001VR | M5x0.8    | 10.0 | 4.0  | 8.0  | 1000      |
| 0550040000VR  | 0550040001VR | M6x1.0    | 12.0 | 5.0  | 10.0 | 1000      |
| 0550050000VR  | 0550050001VR | M8x1.25   | 15.0 | 6.5  | 13.0 | 1000      |
| 0550060000VR  | 0550060001VR | M10x1.5   | 18.0 | 8.0  | 17.0 | 1000      |
| 0550070000VR  | 0550070001VR | M12x1.75  | 22.0 | 10.0 | 19.0 | 500       |

## Rändelmuttern schwarz

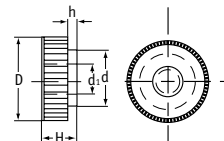
SR 1989

Nylon 6.6, schwarz

- Typ 1 - Nylon 6.6, mit 30 % Glasfaser
- Typ 2 - Nylon 6.6



Typ 1



Typ 2



| Artikelnummer | Maße (mm) |      |      |     |     | Typ | Stück/VPE |
|---------------|-----------|------|------|-----|-----|-----|-----------|
|               | d         | D    | d1   | H   | h   |     |           |
| 141004069916  | M4        | 13.0 | -    | 4.0 | -   | 1   | 100       |
| 141005069916  | M5        | 13.0 | -    | 5.0 | -   | 1   | 100       |
| 141006069916  | M6        | 13.0 | -    | 6.0 | -   | 1   | 100       |
| 0660020001VR  | M4        | 16.0 | 10.0 | 6.0 | 1.4 | 2   | 100       |
| 0660030001VR  | M5        | 16.0 | 10.0 | 6.0 | 1.4 | 2   | 100       |
| 0660040001VR  | M6        | 16.0 | 10.0 | 6.0 | 1.4 | 2   | 100       |

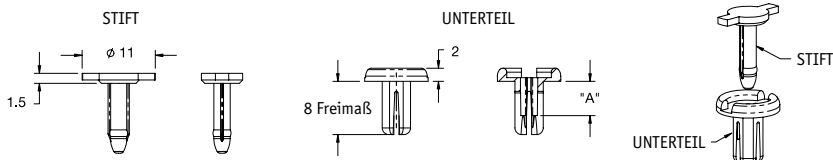


# NIETEN UND PLATTENBEFESTIGUNGEN

## Wiedерlösbare Niete

RRR

- Nylon 66/6, RMS-103, schwarz



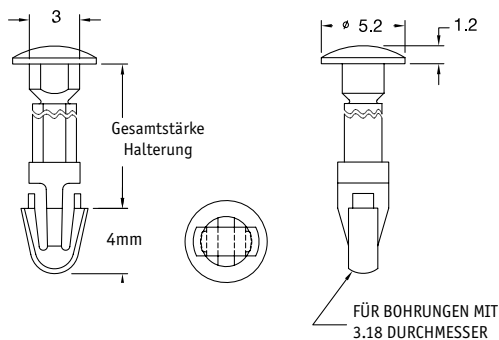
| Artikelnummer | Bohrungs-<br>durchmesser              | Plattenstärke | "A"<br>Ref. | Stück/VPE |
|---------------|---------------------------------------|---------------|-------------|-----------|
| RRR-1         | 4,76-5,28 Ø oder 4,5 Min. quadratisch | 1,5-3,5       | 3,6         | 1000      |
| RRR-2         | 4,76-5,28 Ø oder 4,5 Min. quadratisch | 3,5-5,5       | 4,4         | 1000      |

Niete und Treibstift werden nicht vormontiert geliefert!

## Spreizankerbefestigung

SLPA

- Nylon 6/6, RMS-01, natur



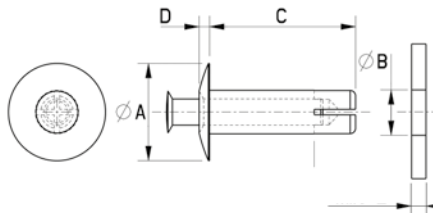
| Artikelnummer  | Gesamtstärke | Stück/VPE |
|----------------|--------------|-----------|
| SLPA125-187-01 | 4.7          | 1000      |
| SLPA125-250-01 | 6.4          | 1000      |
| SLPA125-312-01 | 7.9          | 1000      |
| SLPA125-375-01 | 9.5          | 1000      |
| SLPA125-500-01 | 12.7         | 1000      |
| SLPA125-625-01 | 15.9         | 1000      |
| SLPA125-750-01 | 19.1         | 1000      |

## Transparente Spreizniete

SR1928

Polycarbonat

- Transparente Befestigung
- Mit Fingerdruck oder Kunststoffhammer montierbar



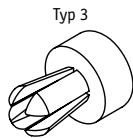
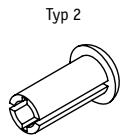
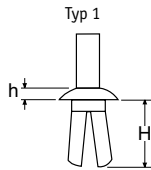
| Artikelnummer | Maße (mm) |     |               |      |     | Stück/VPE |
|---------------|-----------|-----|---------------|------|-----|-----------|
|               | A         | B   | Plattenstärke | C    | D   |           |
| 09425000022   | 9.0       | 4.1 | 10.5-11.5     | 13.0 | 1.0 | 250       |

## Spreiznieten

SR 1963

Nylon, natur oder schwarz

- Schnell und einfach montierbar, kostengünstig, beständig
- Spreizschaft gewährleistet sicheren, enganliegenden Sitz
- Gute elektrische Isolierung
- Vibrations-, abrieb- und korrosionsbeständig
- Installationswerkzeug zur schnelleren Befestigung lieferbar, empfohlene Anwendungsmethode



## Nietwerkzeug für Spreiznieten

SR 1919

- Zur Verwendung mit Spreiznieten: SR 1963
- Garantiert eine sichere Nietbefestigung
- Nietpistole einfach auf den Nietschaft positionieren und nach unten drücken



| Artikelnummer |              | Nenngröße der Plattenbohrung | Maße (mm)     |      |     |                 | Typ | Stück/VPE | Nietwerkzeug für Spreiznieten | Stück/VPE |
|---------------|--------------|------------------------------|---------------|------|-----|-----------------|-----|-----------|-------------------------------|-----------|
| Natur         | Schwarz      |                              | Plattenstärke | H    | h   | Kopfdurchmesser |     |           |                               |           |
| 093011000002  | 093011059902 | 3.0                          | 1.0-4.0       | 5.7  | 1.3 | 5.0             | 1   | 250       | 112011099999                  | 1         |
| 093012000002  | 093012059902 | 3.5                          | 1.0-5.0       | 6.8  | 1.3 | 6.0             | 1   | 250       | 112012099999                  | 1         |
| 093000200002  | 093000269902 | 3.6                          | 2.0-5.5       | 7.0  | 2.0 | 7.7             | 1   | 250       | 112000899999                  | 1         |
| 093013000002  | 093013059902 | 4.0                          | 1.5-6.0       | 7.9  | 1.5 | 6.5             | 1   | 250       | 112013099999                  | 1         |
| -             | 093000469902 | 4.0                          | 4.0-6.5       | 8.0  | 1.5 | 6.5             | 1   | 250       | 112013099999                  | 1         |
| 093002300002  | -            | 4.4                          | 1.0-3.5       | 5.0  | 1.7 | 6.0             | 1   | 250       | 112011099999                  | 1         |
| 093001000002  | 093001069902 | 4.8                          | 1.6-4.7       | 7.4  | 2.5 | 8.7             | 1   | 250       | 112014099999                  | 1         |
| PPR-5         | PPR-5B       | 4.8                          | 1.0-9.5       | 10.7 | 1.6 | 7.1             | 2   | 1000      | PPR-T1                        | 1         |
| PPR-2         | PPR-2B       | 4.8                          | 4.0-7.1       | 9.7  | 1.5 | 10.9            | 1   | 1000      | PPR-T1                        | 1         |
| 093000800002  | 093000869902 | 4.8                          | 4.0-8.7       | 11.0 | 1.2 | 7.1             | 1   | 250       | 112000899999                  | 1         |
| 093000700002  | 093000769902 | 5.0                          | 1.5-5.0       | 7.4  | 2.0 | 7.1             | 1   | 250       | 112000899999                  | 1         |
| 093014000002  | 093014059902 | 5.0                          | 1.5-7.0       | 9.2  | 1.8 | 8.5             | 1   | 250       | 112014099999                  | 1         |
| -             | 093001469902 | 5.0                          | 3.0-7.0       | 11.0 | 2.0 | 9.7             | 1   | 250       | 112015099999                  | 1         |
| PPR-1         | PPR-1B       | 5.5                          | 2.4-4.0       | 11.4 | 2.0 | 9.4             | 1   | 1000      | PPR-T1                        | 1         |
| 093015000002  | 093015059902 | 6.0                          | 2.0-8.0       | 10.5 | 2.2 | 10.0            | 1   | 250       | 112015099999                  | 1         |
| 093002400002  | 093002469902 | 6.0                          | 3.0-7.0       | 10.0 | 2.0 | 11.0            | 1   | 250       | 112002499999                  | 1         |
| PPR-9         | PPR-9B       | 6.4                          | 1.5-6.4       | 9.3  | 4.7 | 11.1            | 3   | 1000      | PPR-T4                        | 1         |
| 093002600002  | 093002669902 | 6.4                          | 4.0-9.5       | 12.0 | 2.0 | 11.0            | 1   | 250       | 112002499999                  | 1         |
| PPR-4         | PPR-4B       | 6.4                          | 7.1-12.7      | 15.8 | 2.0 | 11.9            | 1   | 1000      | PPR-T4                        | 1         |
| 093016000002  | 093016059902 | 7.0                          | 2.5-9.0       | 11.8 | 2.6 | 12.0            | 1   | 250       | 112016099999                  | 1         |
| 093001800002  | 093001869902 | 7.1                          | 4.0-12.0      | 17.5 | 2.5 | 17.0            | 1   | 250       | 112001899999                  | 1         |
| 093017000002  | 093017059902 | 8.0                          | 3.0-10.0      | 13.0 | 3.0 | 13.5            | 1   | 250       | 112017099999                  | 1         |

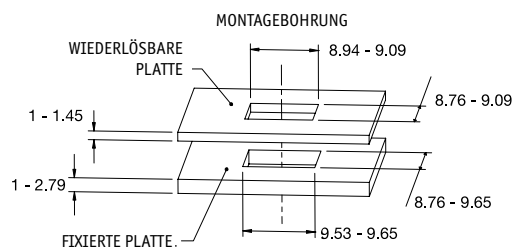
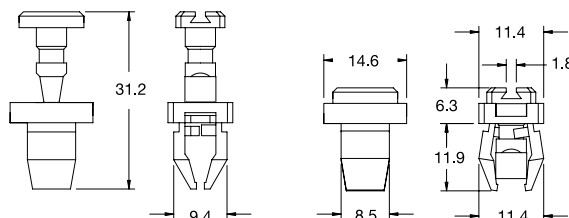
# NIETEN UND PLATTENBEFESTIGUNGEN

## Vierteldreh-Spreizbefestigungssystem

FQT

Acetal, RMS-14

- Einfache Installation: Der Kolben wird mit einem Hammer in die Tülle getrieben, was die Platten zusammenhält
- Um die Platten zu lösen, wird der Kolben mit einem Schraubenzieher um 90 Grad gedreht

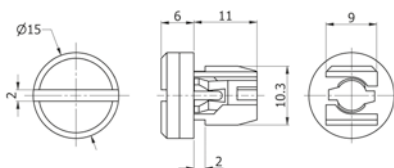


| Artikelnummer | Farbe   | VPE         |
|---------------|---------|-------------|
| FQT-1         | Weiß    | 1.000 Stück |
| FQT-1BK       | Schwarz | 1.000 Stück |

## Kunststoff-Vierteldrehriegel

SR 1917

Nylon



- Vierteldrehriegel drehen, um das Befestigungselement zu sichern und zu lösen
- Wird für eine leichtere Anwendung in vormontierter Form geliefert
- Ideal, wenn man keine Haltenocken anbringen kann
- Erhältlich in schwarz und natur

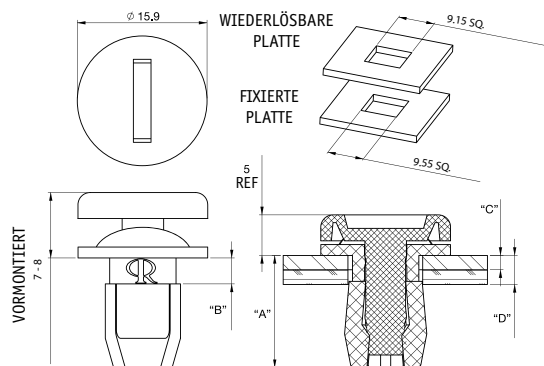
| Artikelnummer |        | Lochgröße (mm)  | Plattendicke | Maße (mm)       |          |       | Stück/VPE |
|---------------|--------|-----------------|--------------|-----------------|----------|-------|-----------|
| Schwarz       | Natur  |                 |              | Kopfdurchmesser | Kopfhöhe | Länge |           |
| 495245        | 495246 | 9.0 x 9.1 - 9.3 | 1.6 - 5.0    | 15.0            | 6.0      | 11.0  | 1000      |

## Plattenbefestigung mit Vierteldrehung

QTPF

UL94 HB Acetal, RMS-14, schwarz

- Eine Vierteldrehung mit einem Flachkopfschraubendreher oder einer Münze löst die untere Platte. Der Riegel verbleibt in der abnehmbaren Platte



| Artikelnummer | Maße (mm) |     | Dicke der wiederlösbaren Platte "C" | Gesamte Platte Materialstärke "D" | Stück/VPE |
|---------------|-----------|-----|-------------------------------------|-----------------------------------|-----------|
|               | "A"       | "B" |                                     |                                   |           |
| QTPF-1BK      | 12.3      | 1.7 | 0.5-1.6                             | 2-5                               | 1000      |
| QTPF-2BK      | 13.7      | 3.1 | 1.8-3.1                             | 4-6.2                             | 1000      |

## Vierteldrehbefestigung

SR 6268

Acetal-Co-Polymer (POM)

- Schnell montierbarer Befestigungsclip
- Ver- und Entriegeln durch Vierteldrehung des Kopfes
- Breites Angebot an Plattenstärken und Bohrungsgrößen für die Montage
- Dauerhafte Befestigungslösung
- Vierteldrehbefestigung mit Kreuzschlitzkopf



Typ 1



Typ 2



Typ 3

| Artikelnummer | Maße (mm)   |                 |               | Typ | Stück/<br>VPE |
|---------------|-------------|-----------------|---------------|-----|---------------|
|               | Kopfdurchm. | Bohrungsdurchm. | Plattenstärke |     |               |
| 551651        | 20          | 7,5             | 4,5-7         | 1   | 1000          |
| 551652        | 19          | 9               | 4-7,5         | 2   | 1000          |
| 551653        | 15          | 9               | 6-8,2         | 2   | 1000          |
| 551654        | 14          | 6               | 4,5-6         | 2   | 1000          |
| 551655        | 16          | 7               | 4,5-6         | 3   | 1000          |
| 551656        | 20          | 8               | 3-5-6         | 3   | 1000          |
| 551657        | 16          | 6               | 4,5-6         | 1   | 1000          |

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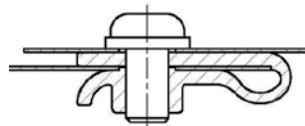
## Dicht-Schnappmuttern und Schnappmuttern für Plattenkanten

SR 6267

### Polyamid

- U-förmige Schnappmutter für Eckenbefestigung
- Gleitet auf das Blech
- Alternative zu Gewindeeinsätzen
- Kann als Alternative zu einer Klammer eingesetzt werden

Bilder nur zur Veranschaulichung Bitte sehen Sie sich vor dem Kauf die gesamte Zeichnung an.



Typ 1



Typ 2

| Artikelnummer | Befestigungsart                            | Maße (mm) |                 |                 |       |        |           | Typ | Stück/VPE |
|---------------|--|-----------|-----------------|-----------------|-------|--------|-----------|-----|-----------|
|               |  | Schraube  | Plattenstärke 1 | Plattenstärke 2 | Länge | Breite | Bohrung Ø |     |           |
| 551634        | Befestigung auf der Plattenecke            | M6        | 0.5-1           | -               | 29.0  | 19.0   | 10.0      | 1   | 1000      |
| 551635        | Befestigung von Plattenecke zu Plattenecke | M5        | 1.3             | 2.2             | 33.0  | 19.0   | 9.0       | 2   | 1000      |
| 551636        | Befestigung von Plattenecke zu Plattenecke | M6        | 1.4             | 1.8             | 23.0  | 31.5   | 9.0       | 2   | 1000      |
| 551637        | Befestigung auf der Plattenecke            | M5        | 3               | -               | 27.0  | 18.0   | 9.0       | 1   | 1000      |
| 551638        | Befestigung auf der Plattenecke            | M6        | 1.2             | -               | 20.5  | 20.0   | 9.0       | 1   | 1000      |
| 551639        | Befestigung von Plattenecke zu Plattenecke | M6        | 1.2             | 2.1             | 32.5  | 31.5   | 9.0       | 2   | 1000      |

### Polyamid

- Schnappmuttern zum Zusammenfügen von Platten
- Bietet eine Gewindebefestigung zum Zusammenfügen von zwei Platten
- Dichtet ab und verhindert das Eintreten von Feuchtigkeit und anderen Stoffen

Bilder nur zur Veranschaulichung Bitte sehen Sie sich vor dem Kauf die gesamte Zeichnung an.



Typ 3



Typ 4

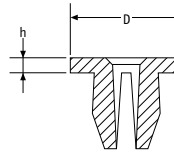
| Artikelnummer | Kopfform                                   | Maße (mm) |               |             |                        |                       | Typ | Stück/VPE |
|---------------|--|-----------|---------------|-------------|------------------------|-----------------------|-----|-----------|
|               |  | Schraube  | Plattenstärke | Gesamtlänge | Größe des Schnappkopfs | Montagebohrung quadr. |     |           |
| 551640        | Dicht-Schnappmutter mit rundem Kopf        | M2        | 1.3mm         | 17.5        | 13.5                   | 6 X 6                 | 3   | 1000      |
| 551641        | Dicht-Schnappmutter mit rundem Kopf        | M5        | 2mm           | 19.0        | 16.5                   | 7.5 X 7.5             | 3   | 1000      |
| 551642        | Dicht-Schnappmutter mit quadratischem Kopf | M4        | 1-3mm         | 23.5        | 16.8 x16.8             | 7.5 x 7.5             | 4   | 1000      |
| 551643        | Dicht-Schnappmutter mit rundem Kopf        | M6        | 1.5mm         | 16.0        | 16.0                   | 7.5 X 7.5             | 3   | 1000      |
| 551644        | Dicht-Schnappmutter mit rundem Kopf        | M4        | 1.0mm         | 17.0        | 15.0                   | 7.5 X 7.5             | 3   | 1000      |
| 551645        | Dicht-Schnappmutter mit rundem Kopf        | M6        | 1.0mm         | 18.0        | 18.0                   | 7.5 X 7.5             | 3   | 1000      |
| 551646        | Dicht-Schnappmutter mit rundem Kopf        | M6        | 1.7mm         | 18.0        | 12.5                   | 6.5 x 6.5             | 3   | 1000      |
| 551647        | Dicht-Schnappmutter mit rundem Kopf        | M3        | 1.9mm         | 12.0        | 14.0                   | 6 X 6                 | 3   | 1000      |
| 551648        | Dicht-Schnappmutter mit quadratischem Kopf | M3        | 3.3mm         | 13.0        | 10X10                  | 6 X 6                 | 4   | 1000      |
| 551649        | Dicht-Schnappmutter mit rundem Kopf        | M5        | 1.35mm        | 16.5        | 16.0                   | 7 X 7                 | 3   | 1000      |
| 551650        | Dicht-Schnappmutter mit quadratischem Kopf | M4        | 1-2.8mm       | 17.0        | 16.5X16.5              | 7 X 7                 | 4   | 1000      |

## Schnappmuttern

SR 1959

Nylon 6.6, natur

- Ideal zur festen Verbindung von zwei Platten



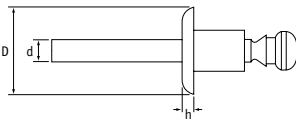
| Artikelnummer | Kernbohrung (mm) | Maße (mm) |     | Plattenbohrungsgröße (mm) | Plattenbohrungsdicke (mm) | Stück/VPE |
|---------------|------------------|-----------|-----|---------------------------|---------------------------|-----------|
|               |                  | D         | h   |                           |                           |           |
| 162501300002  | 2.9              | 8.0       | 1.3 | 5.0 x 5.0                 | 0.8 - 2.5                 | 250       |
| 162601400002  | 3.5              | 10.0      | 1.4 | 6.0 x 6.0                 | 0.8 - 3.0                 | 250       |
| 162701500002  | 4.2              | 12.0      | 1.5 | 7.0 x 7.0                 | 0.8 - 4.0                 | 250       |
| 162801600002  | 4.8              | 14.0      | 1.6 | 8.0 x 8.0                 | 0.8 - 5.0                 | 250       |

## Blindnieten

SR 1911

Nylon, natur

- Gute elektrische Isolierung
- Vibrations-, abrieb- und korrosionsbeständig



## Nietzange für Blindnieten

- Geeignet für alle Blindnieten der Serie SR 1911
- Artikel-Nr.495141

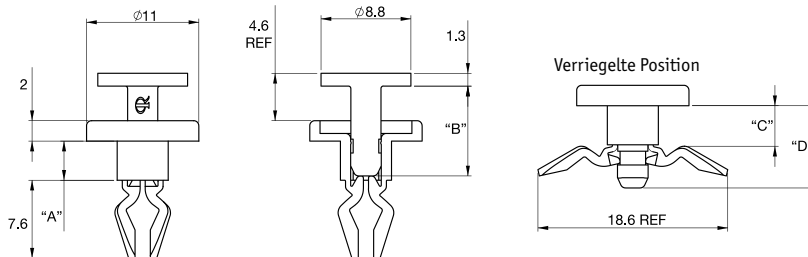


| Artikelnummer | Nenngröße der Plattenbohrung | Maße (mm)    |      |     |     | Stück/VPE |
|---------------|------------------------------|--------------|------|-----|-----|-----------|
|               |                              | Plattendicke | D    | h   | d   |           |
| 497526        | 4.1                          | 0.5 - 5.0    | 9.0  | 1.2 | 2.5 | 1000      |
| 497527        | 4.1                          | 5.0 - 9.0    | 9.0  | 1.2 | 2.5 | 1000      |
| 497528        | 5.1                          | 0.5 - 5.0    | 11.0 | 1.2 | 3.0 | 1000      |
| 497529        | 5.1                          | 5.0 - 9.0    | 11.0 | 1.5 | 3.0 | 1000      |
| 497530        | 6.1                          | 0.5 - 5.0    | 13.0 | 1.5 | 3.5 | 1000      |
| 497531        | 6.1                          | 5.0 - 9.0    | 13.0 | 1.5 | 3.5 | 1000      |

## Spreznieten

RFL

UL94 V2, Polyamid 6/6, RMS-01



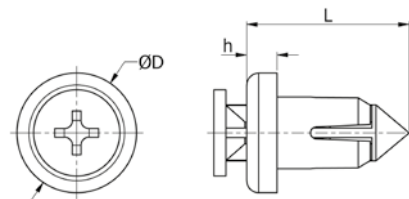
| Natur | Schwarz | Maße (mm) |     |     |     | Gesamte Plattenstärke | Bohrung Ø | Stück/VPE |
|-------|---------|-----------|-----|-----|-----|-----------------------|-----------|-----------|
|       |         | "A"       | "B" | "C" | "D" |                       |           |           |
| RFL-1 | RFL-1BK | 3         | 8.1 | 2.7 | 7.4 | 2.85 - 3.85           | 5.5       | 1000      |
| RFL-2 | RFL-2BK | 3.7       | 8.8 | 3.3 | 8.1 | 3.55 - 4.55           | 5.5       | 1000      |

## Vierteldrehnieten

SR 1915

POM, schwarz

- Schnellverschluss
- Geeignet für Sicherheitsplatten und Komponenten, die schnell ausgetauscht werden müssen

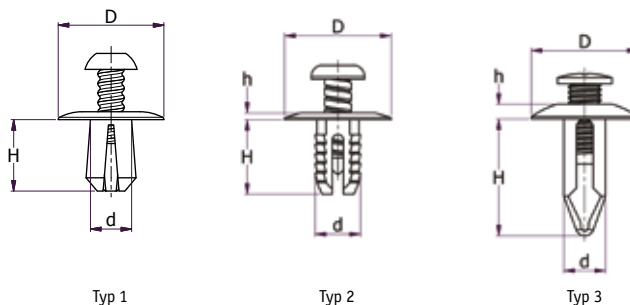


| Artikelnummer | Maße (mm) |               |      |     |      | Stück/VPE |
|---------------|-----------|---------------|------|-----|------|-----------|
|               | Lochgröße | Plattenstärke | D    | h   | L    |           |
| 495234        | 6.0       | 3.0 - 5.0     | 17.9 | 2.3 | 16.2 | 1000      |
| 495235        | 6.0       | 4.5 - 6.0     | 14.2 | 2.0 | 16.0 | 1000      |
| 495236        | 6.0       | 4.5 - 6.0     | 16.0 | 2.3 | 12.1 | 1000      |
| 495237        | 7.0       | 2.5 - 5.0     | 16.0 | 2.3 | 14.2 | 1000      |
| 495239        | 8.0       | 3.5 - 6.0     | 19.9 | 2.9 | 18.3 | 1000      |
| 495240        | 9.0       | 4.0 - 7.5     | 18.7 | 3.6 | 25.4 | 1000      |
| 495241        | 9.0       | 6.0 - 8.2     | 15.0 | 3.8 | 20.4 | 1000      |
| 495242        | 7.0 - 9.0 | 4.5 - 6.5     | 15.7 | 3.0 | 15.5 | 1000      |

## Schraubnieten

SR 1962

Nylon 6.6



| Artikelnummer | Farbe   | Maße (mm) |     |      |     | Plattenstärke | Typ | Stück/VPE |
|---------------|---------|-----------|-----|------|-----|---------------|-----|-----------|
|               |         | D         | d   | H    | h   |               |     |           |
| USR-1131      | Schwarz | 12.0      | 5.0 | 11.0 | 3.9 | 1.5-6.0       | 1   | 1000      |
| 113000169902  | Schwarz | 12.0      | 5.0 | 11.0 | 1.5 | 4.0-7.0       | 1   | 250       |
| 113105000002  | Natur   | 12.5      | 5.0 | 9.6  | 1.2 | 2.0-7.0       | 1   | 250       |
| 113105059902  | Schwarz | 12.5      | 5.0 | 9.6  | 1.2 | 2.0-7.0       | 1   | 250       |
| 113106000002  | Natur   | 15.0      | 6.0 | 10.7 | 1.3 | 2.0-8.0       | 1   | 250       |
| 113106059902  | Schwarz | 15.0      | 6.0 | 10.7 | 1.3 | 2.0-8.0       | 1   | 250       |
| USR-1132      | Schwarz | 16.0      | 6.0 | 11.0 | 3.9 | 1.5-6.0       | 1   | 1000      |
| 113000269902  | Schwarz | 16.0      | 6.0 | 11.0 | 1.5 | 4.0-7.0       | 1   | 250       |
| USR-64125     | Schwarz | 15.1      | 6.4 | 12.7 | 3.0 | 3.2-4.4       | 1   | 500       |
| 113107000002  | Natur   | 17.5      | 7.0 | 12.1 | 1.4 | 3.0-9.0       | 1   | 250       |
| 113107059902  | Schwarz | 17.5      | 7.0 | 12.1 | 1.4 | 3.0-9.0       | 1   | 250       |
| 113108000002  | Natur   | 20.0      | 8.0 | 13.5 | 1.5 | 3.0-10.0      | 1   | 250       |
| 113108059902  | Schwarz | 20.0      | 8.0 | 13.5 | 1.5 | 3.0-10.0      | 1   | 250       |
| 113000369902  | Schwarz | 20.0      | 8.0 | 14.0 | 1.5 | 3.0-10.0      | 2   | 250       |
| USR-1133      | Schwarz | 20.0      | 8.0 | 14.0 | 4.0 | 3.0-10.0      | 2   | 1000      |
| USR-1         | Schwarz | 20.0      | 8.0 | 22.0 | 3.6 | 7.0-8.0       | 3   | 1000      |

## Schraubnieten-Befestigungen

SR 6269

### Polyamid PA6

- Großer Bohrungsdurchmesser
- Einfaches Entfernen durch Schrauben
- Installation durch Drücken
- Starke Haltekraft

Die Bilder dienen ausschließlich der Veranschaulichung; bitte sehen Sie sich vor dem Kauf die vollständigen Zeichnungen an.



Typ 1

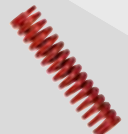


Typ 2

| Artikelnummer | Kopfform                      | Maße (mm)   |                 |               | Typ | Stück/<br>VPE |
|---------------|-------------------------------|-------------|-----------------|---------------|-----|---------------|
|               |                               | Kopfdurchm. | Bohrungsdurchm. | Plattenstärke |     |               |
| 551658        | Schraubniete mit Kreuzschlitz | 21.5        | 10.6            | <14           | 1   | 1000          |
| 551659        | Schraubniete mit Kreuzschlitz | 16.5        | 9.8             | <10.5         | 2   | 1000          |

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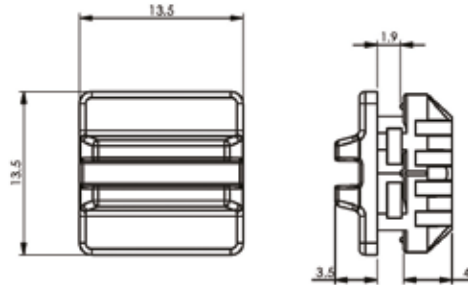


## Vierteldreh-Blindstopfen für 19"-Gehäuse

SR 6273

Nylon 6/6, schwarz

- Installation und Entfernen einfach durch Vierteldrehung
- Zur Nutzung mit Standard 19" Gehäuseschienen
- Bohrlöcher in drei Größen
- Blockiert und schützt das Befestigungsloch des Gehäuses
- Großer Temperaturbereich -30 °C / +140 °C



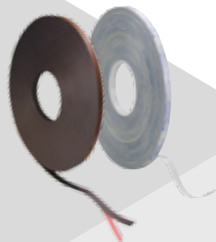
| Artikelnummer | Maße (mm)                      |                              | Stück/<br>VPE |
|---------------|--------------------------------|------------------------------|---------------|
|               | Bohrloch der<br>Montageschiene | Stärke der<br>Gehäuseschiene |               |
| RQTB-1        | 9 x 9                          | 2                            | 1000          |
| RQTB-2        | 9.3 x 9.3                      | 2                            | 1000          |
| RQTB-3        | 9.5 x 9.5                      | 2                            | 1000          |

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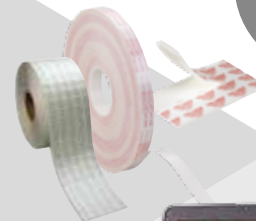
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MAGNETKLEBEBAND

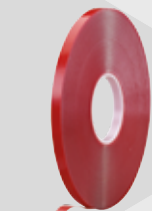


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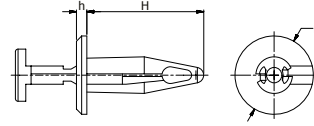
## Spreizverschlussnieten

SR 1912

Nylon 6, schwarz

- Schnell und leicht zu installieren
- Das verschlossene Endteil fungiert als Selbstausrichtungsmechanismus
- Die doppelte Verschlusskonstruktion verhindert, dass sich der Stift während des Transports oder der Montage löst

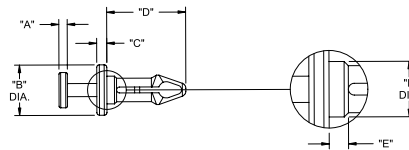
| Artikelnummer | Maße (mm)      |               |        |     |      | Stück/VPE |
|---------------|----------------|---------------|--------|-----|------|-----------|
|               | Lochgröße (mm) | Plattenstärke | D (mm) | h   | H    |           |
| 495201        | 5.0            | 1.5 - 4.6     | 7.2    | 1.0 | 11.4 | 1000      |
| 495202        | 6.3            | 4.0 - 7.6     | 18.0   | 2.5 | 17.3 | 1000      |
| 495203        | 6.3            | 2.5 - 8.9     | 25.4   | 2.5 | 22.5 | 1000      |
| 495204        | 6.3            | 2.5 - 8.9     | 15.0   | 2.7 | 18.5 | 1000      |
| 495205        | 6.3            | 1.5 - 7.6     | 17.4   | 2.0 | 20.4 | 1000      |
| 495206        | 6.5            | 2.5 - 8.9     | 15.0   | 2.0 | 22.4 | 1000      |
| 495207        | 7.0            | 12.0 - 15.0   | 25.4   | 2.5 | 27.0 | 1000      |
| 495208        | 7.0            | 9.0 - 13.0    | 18.0   | 2.5 | 23.0 | 1000      |
| 495209        | 8.0            | 3.0 - 8.0     | 20.0   | 2.7 | 21.0 | 1000      |
| 495210        | 8.0            | 3.0 - 8.0     | 15.0   | 2.6 | 22.0 | 1000      |
| 495211        | 8.0            | 4.0 - 8.0     | 18.0   | 2.9 | 23.0 | 1000      |
| 495212        | 8.0            | 12.0 - 16.0   | 15.0   | 3.0 | 29.0 | 1000      |
| 495213        | 9.0            | 3.0 - 7.0     | 16.0   | 2.6 | 20.0 | 1000      |
| 495214        | 9.5            | 0.9 - 4.8     | 25.0   | 2.4 | 25.2 | 1000      |
| 495215        | 9.5            | 3.5 - 7.0     | 17.9   | 2.5 | 23.0 | 1000      |
| 495216        | 10.0           | 6.0 - 10.0    | 20.0   | 3.7 | 26.7 | 1000      |
| 495217        | 11.5           | 29.0 - 31.0   | 30.0   | 2.5 | 50.0 | 1000      |



## Mini-Spreiznieten

TRM

UL94 V2, hitzestabilisiertes Nylon 6/6, RMS-47, schwarz



| Artikelnummer | Bohrung Ø | Plattenstärke | Maße (mm) |       |     |      |          |          | Stück/VPE |
|---------------|-----------|---------------|-----------|-------|-----|------|----------|----------|-----------|
|               |           |               | "A"       | "B" Ø | "C" | "D"  | "E" Ref. | "F" Ref. |           |
| TRM-1         | 2.5 - 2.6 | 4.1 - 4.6     | 1         | 4.8   | 1.5 | 8.8  | -        | -        | 1000      |
| TRM-2         | 2.7 - 2.8 | 2 - 2.7       | 1.3       | 5.5   | 1.5 | 7.6  | -        | -        | 1000      |
| TRM-3         | 3.1 - 3.3 | 2.7 - 3.3     | 1.3       | 5.5   | 1.5 | 8.1  | -        | -        | 1000      |
| TRM-4         | 3.1 - 3.3 | 3.3 - 3.9     | 1.3       | 5.5   | 1.5 | 7.6  | -        | -        | 1000      |
| TRM-5         | 3.1 - 3.3 | 3.9 - 4.6     | 1.3       | 5.5   | 1.5 | 9.4  | -        | -        | 1000      |
| TRM-6         | 3.1 - 3.3 | 6.1 - 6.7     | 1.3       | 5.5   | 1.5 | 11.6 | -        | -        | 1000      |
| TRM-7         | 3.7 - 3.9 | 6.7 - 7.4     | 1.3       | 7.6   | 1.5 | 11.9 | 1.1      | 4.2      | 1000      |



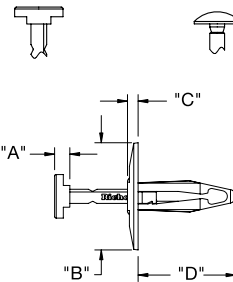
## Spreiznieten

TR

UL94 HB schlagzäh modifiziertes Nylon 6/6, RMS-73, schwarz

Spreizstift Kopfform A

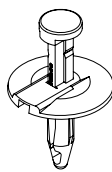
Spreizstift Kopfform B



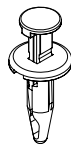
TR-1



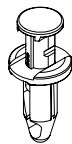
TR-2



TR-3



TR-4



| Artikelnummer | Bohrung Ø | Plattenstärke | "A" | "B" Ø | "C" | "D"  | Anz. an Spreizschäftenden | Kopfform | Stück/VPE |
|---------------|-----------|---------------|-----|-------|-----|------|---------------------------|----------|-----------|
| TR-1          | 4.9 - 5.2 | 1.5 - 4.6     | 2.5 | 7.2   | 1.1 | 11.3 | 3                         | B        | 1000      |
| TR-2          | 6.3 - 7   | 2.5 - 8.9     | 3.6 | 25    | 2.5 | 22.8 | 2                         | A        | 1000      |
| TR-3          | 6.4 - 7   | 2.5 - 8       | 2.8 | 14.9  | 2   | 22.8 | 2                         | A        | 1000      |
| TR-4          | 8 - 8.3   | 3 - 8         | 2.3 | 14.9  | 2.7 | 21.1 | 2                         | A        | 1000      |



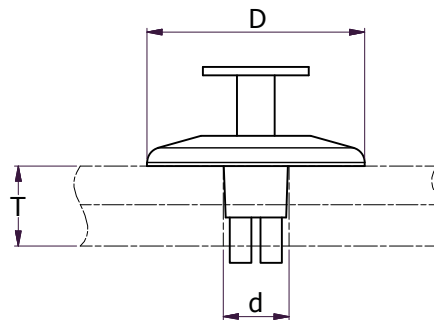
## Spreiznieten

SR1873

Klar - Kunstharz

Schwarz und Weiß - Polypropylen

- Fixierniet für mehrere Platten
- In Transparent, Weiß und Schwarz erhältlich



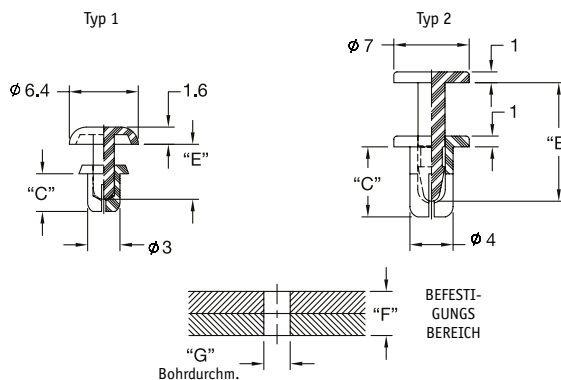
| Artikelnummer | Maße (mm) |                         |                  | Farbe       | Stück/VPE |
|---------------|-----------|-------------------------|------------------|-------------|-----------|
|               | D         | Bohrungsdurchmesser (d) | Plattendicke (T) |             |           |
| 601795        | 28.8      | 8.0                     | 14.0             | Transparent | 250       |
| 601796        | 28.8      | 8.0                     | 14.0             | Weiß        | 250       |
| 601797        | 28.8      | 8.0                     | 14.0             | Schwarz     | 250       |
| 601798        | 28.8      | 8.0                     | 21.0             | Transparent | 250       |
| 601799        | 28.8      | 8.0                     | 21.0             | Weiß        | 250       |
| 601800        | 28.8      | 8.0                     | 21.0             | Schwarz     | 250       |

## Schnappnieten Typ "P"

SRP

UL94 HB Polysulfon, RMS-51, schwarz

- Geeignet für Temperaturen bis +155°C.



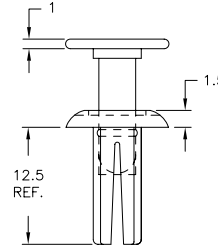
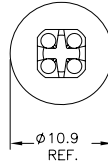
| Artikelnummer | Bohrung $\phi$ "G" | Befestigungsbereich "F" | "C" | "E" | Typ | Stück/VPE |
|---------------|--------------------|-------------------------|-----|-----|-----|-----------|
| SRP-3045      | 3.1 - 3.2          | 1.5 - 2.5               | 4.5 | 6.1 | 1   | 1000      |
| SRP-3055      | 3.1 - 3.2          | 2.5 - 3.5               | 5.5 | 6.1 | 1   | 1000      |
| SRP-4065      | 4 - 4.2            | 3.5 - 4.5               | 6.5 | 11  | 2   | 1000      |

## Spreizniete

PPR-10

UL94 V2 Nylon, RMS-0120, natur

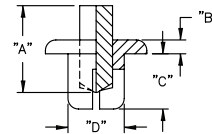
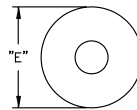
- Geeignet für die Befestigungsoption mit einem runden Bohrloch von 6,4 mm
- Geeignet für die Befestigungsoption mit einer Vierkantbohrung von 5,6x5,6 mm



| Artikelnummer | Befestigungsbereich | Stück/VPE |
|---------------|---------------------|-----------|
| PPR-10        | 3.56-5.08           | 1000      |

## Spreizniete, flach

PPR



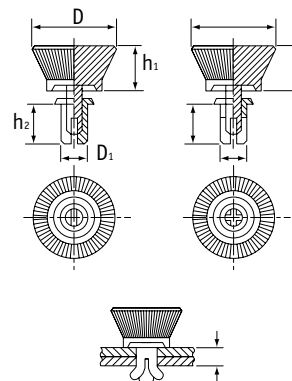
| Farbe: schwarz | Farbe: weiß | Ø Bohrung | Befestigungsbereich | Maße (mm) |     |     |       |       | Material               | Stück/VPE |
|----------------|-------------|-----------|---------------------|-----------|-----|-----|-------|-------|------------------------|-----------|
|                |             |           |                     | "A"       | "B" | "C" | Ø "D" | Ø "E" |                        |           |
| PPR-3055B      | PPR-3055W   | 3.1       | 3 - 4               | 8.9       | 2   | 5.6 | 3     | 5.8   | UL94 V2 Nylon6, RMS-52 | 1000      |
| PPR-4050B      | PPR-4050W   | 4.1       | 2.5 - 3.5           | 9.2       | 2.2 | 5   | 4     | 8     | UL94 V2 Nylon6, RMS-52 | 1000      |
| PPR-4850B      | PPR-4850W   | 4.8       | 1.2 - 3             | 10.4      | 3.3 | 5.1 | 4.8   | 9.9   | UL94 V2 Nylon6, RMS-52 | 1000      |
| PPR-5060B      | PPR-5060W   | 5.1       | 3 - 4               | 9.4       | 2.8 | 6.1 | 5     | 9.4   | UL94 V2 Nylon6, RMS-52 | 1000      |
| PPR-5070B      | PPR-5070W   | 5.1       | 4 - 5               | 11.4      | 2.8 | 7.1 | 5     | 9.4   | UL94 V2 Nylon6, RMS-52 | 1000      |
| PPR-5080B      | PPR-5080W   | 5.1       | 5 - 6               | 11.4      | 2.8 | 8.1 | 5     | 9.4   | UL94 V2 Nylon6, RMS-52 | 1000      |
| PPR-6060B      | PPR-6060W   | 6.1       | 2.5 - 4             | 9.4       | 1.5 | 6.1 | 6     | 10.9  | Polyethylen, RMS-142   | 1000      |

## Lösbare Nieten

SR 1994

Kolben: Nylon 6

- Einfache Anwendung, leichter Lösungsmechanismus
- Ideal für Anwendungen, bei denen eine regelmäßige Wartung erforderlich ist



| Artikelnummer |           | Maße (mm) |     |     |      |                   | Stück/VPE |
|---------------|-----------|-----------|-----|-----|------|-------------------|-----------|
|               |           | D         | h1  | D1  | h2   | Plattendicke (mm) |           |
| Schwarz       | Weiß      |           |     |     |      |                   |           |
| SRT-3035B     | SRT-3035W | 10.0      | 8.0 | 3.0 | 3.5  | 1.0-2.0           | 1000      |
| -             | SRT-3045W | 10.0      | 8.0 | 3.0 | 4.5  | 2.0-3.0           | 1000      |
| -             | 552064    | 10.0      | 8.0 | 3.0 | 5.5  | 3.0-4.0           | 1000      |
| SRT-3570B     | -         | 10.0      | 8.0 | 3.5 | 7.0  | 3.8-5.2           | 1000      |
| SR-4050B      | 552055    | 12.0      | 8.0 | 4.0 | 5.0  | 2.5-3.5           | 1000      |
| 552054        | -         | 12.0      | 8.0 | 4.0 | 6.0  | 3.5-4.5           | 1000      |
| -             | SRT-4080W | 12.0      | 8.0 | 4.0 | 8.0  | 5.5-6.5           | 1000      |
| SRT-4100B     | -         | 12.0      | 8.0 | 4.0 | 10.0 | 7.5-8.5           | 1000      |

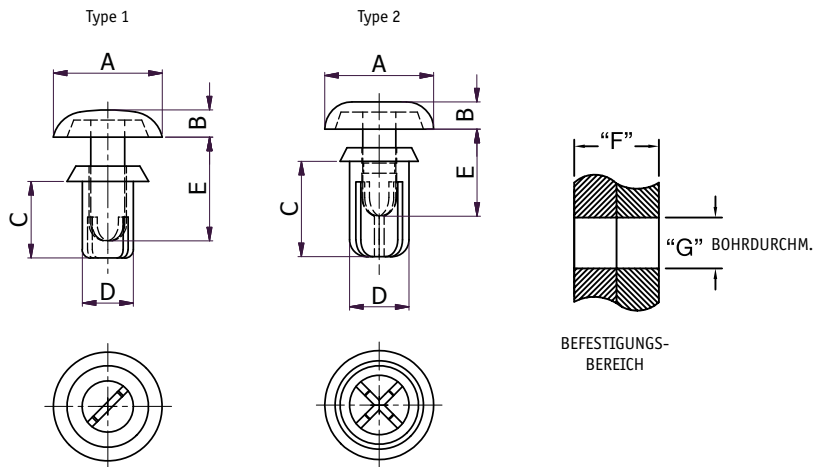
# NIETEN UND PLATTENBEFESTIGUNGEN

## Schnappnieten

SR/SRVO

Material: UL94 V2 Nylon 6, RMS-52

Material: UL94 V0 Nylon 6/66, RMS-103

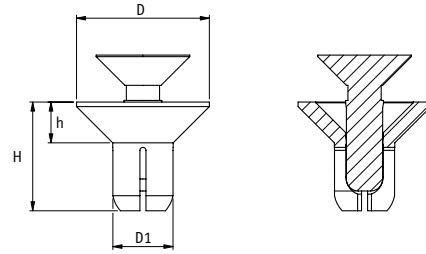


| Artikelnummer   |                       |            | Bohrung<br>Ø "G" | Belastung<br>kg | Befestigungs-<br>bereich "F" | Maße (mm) |     |      |       |      | Stück/VPE |      |
|-----------------|-----------------------|------------|------------------|-----------------|------------------------------|-----------|-----|------|-------|------|-----------|------|
| UL94 V2 Nylon 6 | UL94 V0<br>Nylon 6/66 | Typ        |                  |                 |                              | "A" Ø     | "B" | "C"  | "D" Ø | "E"  |           |      |
| Schwarz         | Weiß                  | Schwarz    |                  |                 |                              |           |     |      |       |      |           |      |
| SR-2024B        | SR-2024W              | SRVO-2024B | 2.1 - 2.2        | 3               | 0.6 - 1.2                    | 4.2       | 1.2 | 2.4  | 2     | 2.8  | 1         | 1000 |
| SR-2032B        | SR-2032W              | SRVO-2032B | 2.1 - 2.2        | 3               | 1.3 - 2                      | 4.2       | 1.2 | 3.2  | 2     | 3.8  | 1         | 1000 |
| SR-2040B        | SR-2040W              | SRVO-2040B | 2.1 - 2.2        | 3               | 2.1 - 2.8                    | 4.2       | 1.2 | 4    | 2     | 5.5  | 1         | 1000 |
| SR-2048B        | SR-2048W              | SRVO-2048B | 2.1 - 2.2        | 3               | 2.9 - 3.6                    | 4.2       | 1.2 | 4.8  | 2     | 5.5  | 1         | 1000 |
| SR-2056B        | SR-2056W              | SRVO-2056B | 2.1 - 2.2        | 3               | 3.7 - 4.4                    | 4.2       | 1.2 | 5.6  | 2     | 7.2  | 1         | 1000 |
| SR-2064B        | SR-2064W              | SRVO-2064B | 2.1 - 2.2        | 3               | 4.4 - 5                      | 4.2       | 1.2 | 6.4  | 2     | 7.1  | 1         | 1000 |
| SR-2632B        | SR-2632W              | SRVO-2632B | 2.7 - 2.8        | 5               | 1 - 2                        | 5         | 1.4 | 3.2  | 2.6   | 4.5  | 1         | 1000 |
| SR-2642B        | SR-2642W              | SRVO-2642B | 2.7 - 2.8        | 5               | 2 - 3                        | 5         | 1.4 | 4.2  | 2.6   | 4.5  | 1         | 1000 |
| SR-2648B        | SR-2648W              | SRVO-2648B | 2.7 - 2.8        | 5               | 2.7 - 3.6                    | 5         | 1.4 | 4.8  | 2.6   | 6.1  | 1         | 1000 |
| SR-2655B        | SR-2655W              | SRVO-2655B | 2.7 - 2.8        | 5               | 3.4 - 4.3                    | 5         | 1.4 | 5.6  | 2.6   | 6.1  | 1         | 1000 |
| SR-2664B        | SR-2664W              | SRVO-2664B | 2.7 - 2.8        | 5               | 4.3 - 5.2                    | 5         | 1.4 | 6.4  | 2.6   | 7.8  | 1         | 1000 |
| SR-2672B        | SR-2672W              | SRVO-2672B | 2.7 - 2.8        | 5               | 5.1 - 6                      | 5         | 1.4 | 7.2  | 2.6   | 7.8  | 1         | 1000 |
| SR-3035B        | SR-3035W              | SRVO-3035B | 3.1 - 3.2        | 8               | 1 - 2                        | 6.4       | 1.6 | 3.5  | 3     | 5.1  | 1         | 1000 |
| SR-3045B        | SR-3045W              | SRVO-3045B | 3.1 - 3.2        | 8               | 2 - 3                        | 6.4       | 1.6 | 4.5  | 3     | 6.1  | 1         | 1000 |
| SR-3055B        | SR-3055W              | SRVO-3055B | 3.1 - 3.2        | 8               | 3 - 4                        | 6.4       | 1.6 | 5.6  | 3     | 6.1  | 1         | 1000 |
| SR-3065B        | SR-3065W              | SRVO-3065B | 3.1 - 3.2        | 8               | 4 - 5                        | 6.4       | 1.6 | 6.5  | 3     | 7.1  | 1         | 1000 |
| SR-3075B        | SR-3075W              | SRVO-3075B | 3.1 - 3.2        | 8               | 5 - 6                        | 6.4       | 1.6 | 7.5  | 3     | 9    | 1         | 1000 |
| SR-3080B        | SR-3080W              | SRVO-3080B | 3.1 - 3.2        | 8               | 5.5 - 6.5                    | 6.4       | 1.6 | 8    | 3     | 9    | 1         | 1000 |
| SR-3090B        | SR-3090W              | SRVO-3090B | 3.1 - 3.2        | 8               | 6.5 - 7.5                    | 6.4       | 1.6 | 9    | 3     | 11   | 1         | 1000 |
| SR-3100B        | SR-3100W              | SRVO-3100B | 3.1 - 3.2        | 8               | 7.5 - 8.5                    | 6.4       | 1.6 | 10   | 3     | 11   | 1         | 1000 |
| SR-3535B        | SR-3535W              | SRVO-3535B | 3.6 - 3.7        | 12              | 1.2 - 2.1                    | 6.4       | 1.6 | 3.5  | 3.5   | 5.1  | 2         | 1000 |
| SR-3545B        | SR-3545W              | SRVO-3545B | 3.6 - 3.7        | 12              | 2.1 - 3                      | 6.4       | 1.6 | 4.5  | 3.5   | 6.1  | 2         | 1000 |
| SR-3550B        | SR-3550W              | SRVO-3550B | 3.6 - 3.7        | 12              | 2.7 - 3.6                    | 6.4       | 1.6 | 5    | 3.5   | 6.1  | 2         | 1000 |
| SR-3555B        | SR-3555W              | SRVO-3555B | 3.6 - 3.7        | 12              | 3 - 4                        | 6.4       | 1.6 | 5.6  | 3.5   | 7.1  | 2         | 1000 |
| SR-3560B        | SR-3560W              | SRVO-3560B | 3.6 - 3.7        | 12              | 3.7 - 4.6                    | 6.4       | 1.6 | 6    | 3.5   | 7.1  | 2         | 1000 |
| SR-3570B        | SR-3570W              | SRVO-3570B | 3.6 - 3.7        | 12              | 4.5 - 5.5                    | 6.4       | 1.6 | 7.2  | 3.5   | 9    | 2         | 1000 |
| SR-3580B        | SR-3580W              | SRVO-3580B | 3.6 - 3.7        | 12              | 5.5 - 6.5                    | 6.4       | 1.6 | 8    | 3.5   | 9.1  | 2         | 1000 |
| SR-4050B        | SR-4050W              | SRVO-4050B | 4.1 - 4.2        | 20              | 2.5 - 3.5                    | 8         | 1.8 | 5    | 4     | 7.1  | 2         | 1000 |
| SR-4060B        | SR-4060W              | SRVO-4060B | 4.1 - 4.2        | 20              | 3.5 - 4.5                    | 8         | 1.8 | 6    | 4     | 7.1  | 2         | 1000 |
| SR-4070B        | SR-4070W              | SRVO-4070B | 4.1 - 4.2        | 20              | 4.5 - 5.5                    | 8         | 1.8 | 7.2  | 4     | 9    | 2         | 1000 |
| SR-4080B        | SR-4080W              | SRVO-4080B | 4.1 - 4.2        | 20              | 5.5 - 6.5                    | 8         | 1.8 | 8    | 4     | 9    | 2         | 1000 |
| SR-4090B        | SR-4090W              | SRVO-4090B | 4.1 - 4.2        | 20              | 6.5 - 7.5                    | 8         | 1.8 | 9    | 4     | 11   | 2         | 1000 |
| SR-4100B        | SR-4100W              | SRVO-4100B | 4.1 - 4.2        | 20              | 7.5 - 8.5                    | 8         | 1.8 | 10   | 4     | 11   | 2         | 1000 |
| SR-4120B        | SR-4120W              | SRVO-4120B | 4.1 - 4.2        | 20              | 9 - 10.5                     | 8         | 1.8 | 12   | 4     | 14   | 2         | 1000 |
| SR-5045B        | SR-5045W              | SRVO-5045B | 5.1 - 5.2        | 25              | 1.5 - 2.5                    | 9         | 2.2 | 4.5  | 5     | 6.5  | 2         | 1000 |
| SR-5055B        | SR-5055W              | SRVO-5055B | 5.1 - 5.2        | 25              | 2.5 - 3.5                    | 9         | 2.2 | 5.6  | 5     | 6.5  | 2         | 1000 |
| SR-5065B        | SR-5065W              | SRVO-5065B | 5.1 - 5.2        | 25              | 3.5 - 4.5                    | 9         | 2.2 | 6.5  | 5     | 8.5  | 2         | 1000 |
| SR-5075B        | SR-5075W              | SRVO-5075B | 5.1 - 5.2        | 25              | 4.5 - 5.5                    | 9         | 2.2 | 7.5  | 5     | 8.5  | 2         | 1000 |
| SR-5085B        | SR-5085W              | SRVO-5085B | 5.1 - 5.2        | 25              | 5.5 - 6.5                    | 9         | 2.2 | 8.5  | 5     | 10.5 | 2         | 1000 |
| SR-5095B        | SR-5095W              | SRVO-5095B | 5.1 - 5.2        | 25              | 6.5 - 7.5                    | 9         | 2.2 | 9.5  | 5     | 10.5 | 2         | 1000 |
| SR-5105B        | SR-5105W              | SRVO-5105B | 5.1 - 5.2        | 25              | 7.5 - 8.5                    | 9         | 2.2 | 10.5 | 5     | 12   | 2         | 1000 |
| SR-6060B        | SR-6060W              | SRVO-6060B | 6.1 - 6.2        | 30              | 2.5 - 4                      | 12        | 2.5 | 6    | 6     | 9    | 2         | 1000 |
| SR-6080B        | SR-6080W              | SRVO-6080B | 6.1 - 6.2        | 30              | 3.5 - 5.5                    | 12        | 3   | 8    | 6     | 10   | 2         | 1000 |

## Senkkopfspreizniete

SR1811

- Schnappbefestigung
- Ideal für ebene und flache Passung



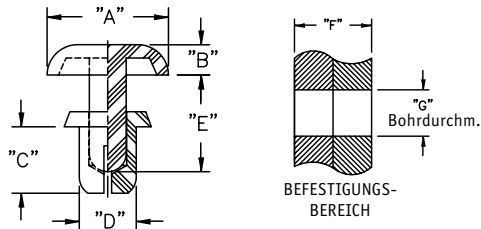
| Artikelnummer |            | Maße (mm) |     |      |     | Plattenstärke | Stück/VPE |
|---------------|------------|-----------|-----|------|-----|---------------|-----------|
| Schwarz       | Weiß       | D         | h   | H    | D1  |               |           |
| SRCS-4060B    | SRCS-4060W | 8.8       | 2.7 | 6.0  | 4.0 | 3.5 - 4.5     | 1000      |
| SRCS-4070B    | SRCS-4070W | 8.8       | 2.7 | 7.2  | 4.0 | 4.5 - 5.5     | 1000      |
| SRCS-4080B    | SRCS-4080W | 8.8       | 2.7 | 8.0  | 4.0 | 5.5 - 6.5     | 1000      |
| SRCS-4090B    | SRCS-4090W | 8.8       | 2.7 | 9.0  | 4.0 | 6.5 - 7.5     | 1000      |
| SRCS-4100B    | SRCS-4100W | 8.8       | 2.7 | 10.0 | 4.0 | 7.5 - 8.5     | 1000      |
| SRCS-5065B    | SRCS-5065W | 9.8       | 2.7 | 6.5  | 5.0 | 3.5 - 4.5     | 1000      |

## Kunststoffspreizniete - hitzebeständig

SRHR

Hellbraun UL94 V2 Nylon 4/6, RMS-109

- Geeignet für Temperaturen bis +130° C



| Artikelnummer | Bohrung Ø "G" | Befestigungsbereich "F" | Maße (mm) |     |     |       |     | Stück/VPE |
|---------------|---------------|-------------------------|-----------|-----|-----|-------|-----|-----------|
|               |               |                         | "A" Ø     | "B" | "C" | "D" Ø | "E" |           |
| SRHR-3035     | 3.1 - 3.2     | 1 - 2                   | 6.4       | 1.6 | 3.5 | 3     | 5.1 | 1000      |
| SRHR-3045     | 3.1 - 3.2     | 2 - 3                   | 6.4       | 1.6 | 4.5 | 3     | 6.1 | 1000      |
| SRHR-3055     | 3.1 - 3.2     | 3 - 4                   | 6.4       | 1.6 | 5.6 | 3     | 6.1 | 1000      |
| SRHR-3065     | 3.1 - 3.2     | 4 - 5                   | 6.4       | 1.6 | 6.5 | 3     | 7.1 | 1000      |
| SRHR-3080     | 3.1 - 3.2     | 5 - 6.5                 | 6.4       | 1.6 | 8   | 3     | 9   | 1000      |
| SRHR-3535     | 3.6 - 3.7     | 1.2 - 2.1               | 6.4       | 1.6 | 3.5 | 3.5   | 5.1 | 1000      |
| SRHR-3545     | 3.6 - 3.7     | 2.2 - 3.1               | 6.4       | 1.6 | 4.5 | 3.5   | 6.1 | 1000      |
| SRHR-3555     | 3.6 - 3.7     | 3 - 4                   | 6.4       | 1.6 | 5.6 | 3.5   | 7.1 | 1000      |
| SRHR-4050     | 4.1 - 4.2     | 2.5 - 3.5               | 8         | 1.8 | 5   | 4     | 7.1 | 1000      |
| SRHR-4060     | 4.1 - 4.2     | 3.5 - 4.5               | 8         | 1.8 | 6   | 4     | 7.1 | 1000      |
| SRHR-4070     | 4.1 - 4.2     | 4.5 - 5.5               | 8         | 1.8 | 7.2 | 4     | 9   | 1000      |
| SRHR-4080     | 4.1 - 4.2     | 5.5 - 6.5               | 8         | 1.8 | 8   | 4     | 9   | 1000      |
| SRHR-4100     | 4.1 - 4.2     | 7.5 - 8.5               | 8         | 1.8 | 10  | 4     | 11  | 1000      |

# NIETEN UND PLATTENBEFESTIGUNGEN

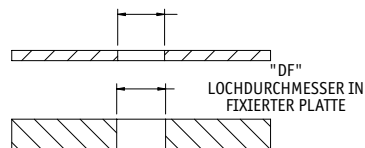
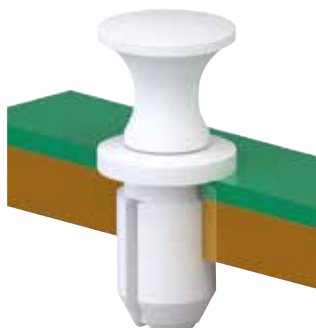
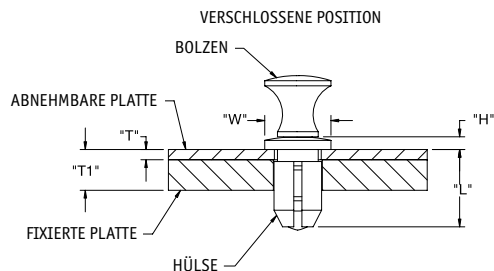
## Spreizbefestigungssystem

SLG/SLPL/SLPB

Material: Bolzen; UL94V2 Nylon 6, RMS-120,

Hülse; UL94 V2 Polycarbonat, RMS-72

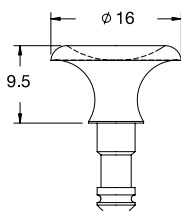
- Zur Installation die Hülse in die abnehmbare Platte drücken und anschließend den Bolzen in die Hülse einführen. Wenn die lose Platte und der Bolzen in die fixierte Platte gedrückt werden, sind diese formschlüssig verriegelt.
- Um die nicht fixierte Platte zu entfernen, einfach am Bolzen ziehen
- Hülse und Bolzen immer separat bestellen.



### Griffformen

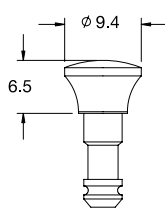
SLPL-1L ~ SLPL-2L

Easy Grip



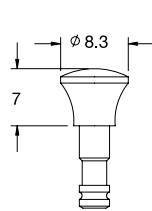
SLPB-1L ~ SLPB-2L

Mini Grip



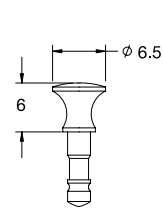
SLPB-1M ~ SLPB-3M

Mini Grip



SLPB-1S ~ SLPB-2S

Mini Grip



| Artikelnummer | Farbe   | "W"  | "H" | "L" Ref. | Befestigungsplatte "T" max. | Materialstärke Befestigungsplatte "T1" Min. - Max. | Bohrung abnehmbare Platte "DR" | Fixierte Platte Bohrungs-Ø Bereich "DF" | Passende Griffform Artikel-Nr. | Alternative Griffform | Stück/VPE |
|---------------|---------|------|-----|----------|-----------------------------|--|--------------------------------|---|--------------------------------|-----------------------|-----------|
| SLG-1L-B      | Schwarz | 10.8 | 2   | 9        | 1.6                         | 2 - 4.2  | 7.5 - 7.7                      | 8 - 8.2                                 | SLPB-1L-B                      | SLPL-1L-B             | 1000      |
| SLG-2L-B      | Schwarz | 10.8 | 2   | 10       | 2.5                         | 3 - 5.2  | 7.5 - 7.7                      | 8 - 8.2                                 | SLPB-2L-B                      | SLPL-2L-B             | 1000      |
| SLG-1M-B      | Schwarz | 8.5  | 1.8 | 8        | 1.1                         | 1.5 - 3.7  | 5.95 - 6.1                     | 6.35 - 6.5                              | SLPB-1M-B                      | -                     | 1000      |
| SLG-2M-B      | Schwarz | 8.5  | 1.8 | 8.5      | 1.6                         | 2 - 4.2  | 5.95 - 6.1                     | 6.35 - 6.5                              | SLPB-2M-B                      | -                     | 1000      |
| SLG-3M-B      | Schwarz | 8.5  | 1.8 | 9.5      | 2.5                         | 3 - 5.2  | 5.95 - 6.1                     | 6.35 - 6.5                              | SLPB-3M-B                      | -                     | 1000      |
| SLG-1S-B      | Schwarz | 6.5  | 1.2 | 7.6      | 1                           | 2 - 4  | 4.5 - 4.6                      | 4.7 - 4.8                               | SLPB-1S-B                      | -                     | 1000      |
| SLG-2S-B      | Schwarz | 6.5  | 1.2 | 8.1      | 1.5                         | 2.5 - 4.5  | 4.5 - 4.6                      | 4.7 - 4.8                               | SLPB-2S-B                      | -                     | 1000      |
| SLG-1L-W      | Weiß    | 10.8 | 2   | 9        | 1.6                         | 2 - 4.2  | 7.5 - 7.7                      | 8 - 8.2                                 | SLPB-1L-W                      | SLPL-1L-W             | 1000      |
| SLG-2L-W      | Weiß    | 10.8 | 2   | 10       | 2.5                         | 3 - 5.2  | 7.5 - 7.7                      | 8 - 8.2                                 | SLPB-2L-W                      | SLPL-2L-W             | 1000      |
| SLG-1M-W      | Weiß    | 8.5  | 1.8 | 8        | 1.1                         | 1.5 - 3.7  | 5.95 - 6.1                     | 6.35 - 6.5                              | SLPB-1M-W                      | -                     | 1000      |
| SLG-2M-W      | Weiß    | 8.5  | 1.8 | 8.5      | 1.6                         | 2 - 4.2  | 5.95 - 6.1                     | 6.35 - 6.5                              | SLPB-2M-W                      | -                     | 1000      |
| SLG-3M-W      | Weiß    | 8.5  | 1.8 | 9.5      | 2.5                         | 3 - 5.2  | 5.95 - 6.1                     | 6.35 - 6.5                              | SLPB-3M-W                      | -                     | 1000      |
| SLG-1S-W      | Weiß    | 6.5  | 1.2 | 7.6      | 1                           | 2 - 4  | 4.5 - 4.6                      | 4.7 - 4.8                               | SLPB-1S-W                      | -                     | 1000      |
| SLG-2S-W      | Weiß    | 6.5  | 1.2 | 8.1      | 1.5                         | 2.5 - 4.5  | 4.5 - 4.6                      | 4.7 - 4.8                               | SLPB-2S-W                      | -                     | 1000      |

## Vierteldrehbefestigungen und Schnappnägel

SR 6270

Polyamid

- Ideale Befestigungen für Zugangspaneele
- Rastet ein bzw. wird durch Vierteldrehung in die richtige Position gebracht.
- Breites Angebot an Plattenstärken und Bohrungsgrößen für die Montage
- Dauerhafte Befestigungslösung



Typ 1



Typ 2



Typ 3



Typ 4

| Artikelnummer | Befestigungsart                  | Maße (mm) |               |                             |                    |             | Abnehmbare Platte |             | Fixierte Platte |             | Stück/VPE |
|---------------|----------------------------------|-----------|---------------|-----------------------------|--------------------|-------------|-------------------|-------------|-----------------|-------------|-----------|
|               |                                  | Typ       | Kolbendurchm. | Höhe, in geschloss. Zustand | Durchm. Tüllenkopf | Tüllentiefe | Materialstärke    | Bohrdurchm. | Materialstärke  | Bohrdurchm. |           |
| 551660        | Standardplatte mit Einrastriegel | 1         | 8.0           | 8.0                         | 8.5                | 11.0        | 3.5-4.1           | 6.2         | <6              | 6.4         | 1000      |
| 551661        | Standardplatte mit Einrastriegel | 2         | 7.0           | 4.0                         | 8.5                | 12.0        | 3.25-4.1          | 6.2         | <6              | 6.4         | 1000      |
| 551662        | Standardplatte mit Einrastriegel | 1         | 8.0           | 9.0                         | 8.5                | 11.0        | 3.5-4.1           | 6.0         | <6              | 6.4         | 1000      |
| 551663        | Dünne Platte mit Einrastriegel   | 2         | 7.5           | 5.5                         | 10.5               | 9.0         | 0.7-1             | 7.0         | <4              | 6.0         | 1000      |
| 551664        | Dicke Platte mit Einrastriegel   | 2         | 7.5           | 5.0                         | 10.5               | 12.0        | 4.9-5.3           | 7.0         | <6              | 7.7         | 1000      |
| 551665        | Standardplatte mit Einrastriegel | 1         | 9.5           | 9.5                         | 10.5               | 11.0        | 3.5-4.1           | 7.0         | <6              | 8.0         | 1000      |

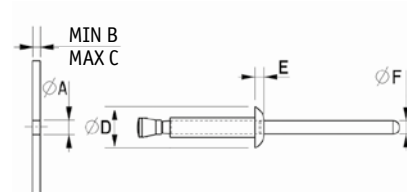
| Artikelnummer | Befestigungsart         | Typ | Kopfdurchm. | Durchm. Tüllenkopf | Tüllentiefe | Abnehmbare Platte Montagebohrung | Fixierte Platte Montagebohrung | Plattenstärke gesamt | Stück/VPE |
|---------------|-------------------------|-----|-------------|--------------------|-------------|----------------------------------|--------------------------------|----------------------|-----------|
| 551666        | Vierteldrehriegel, rund | 3   | 15.0        | 15.0               | 11.0        | 9 x 9mm                          | 9.5 x 9.5mm                    | 1.4-5mm              | 1000      |
| 551667*       | Vierteldrehriegel, rund | 4   | 19.5        | 18.0 x 18.0        | 16.0        | 10 x 10mm                        | 10 x 10mm                      | 1.4-1.8mm            | 1000      |

\* Hergestellt aus POM

## Blindniete

SR 2016

- Aus Polycarbonat (PC) und Nylon-6 (PA-6)
- Farben: Schwarz, Weiß, Grau, Beige
- Zur Nutzung mit Materialien wie Holz, Metall, Plastik
- Leicht, mit guten Isoliereigenschaften und Beständigkeit gegen Chemikalien



| Artikelnummer |          |         |              | Maße (mm) |     |      |      |     |     | Stück/VPE |
|---------------|----------|---------|--------------|-----------|-----|------|------|-----|-----|-----------|
| Schwarz       | Weiß     | Grau    | Beige        | A         | B   | C    | D    | E   | F   |           |
| CR32-1-1      | CR32-1-2 | 1283988 | 1283989      | 3.3       | 1.5 | 3.5  | 6.4  | 1.4 | 2.1 | 100       |
| CR32-2-1      | CR32-2-2 | 1283990 | 1283991      | 3.3       | 3.5 | 6.5  | 6.4  | 1.4 | 2.1 | 100       |
| CR32-3-1      | CR32-3-2 | -       | -            | 3.3       | 6.5 | 9.5  | 6.4  | 1.4 | 2.1 | 100       |
| CR40-1-1      | CR40-1-2 | 1283994 | -            | 4.1       | 1.0 | 3.5  | 8.0  | 1.8 | 2.4 | 100       |
| CR40-2-1      | CR40-2-2 | 1283996 | 1283997      | 4.1       | 3.5 | 6.0  | 8.0  | 1.8 | 2.4 | 100       |
| CR40-3-1      | CR40-3-2 | 1283998 | -            | 4.1       | 6.0 | 9.0  | 8.0  | 1.8 | 2.4 | 100       |
| CR48-1-1      | CR48-1-2 | 1284000 | -            | 4.9       | 1.5 | 4.5  | 9.6  | 2.0 | 2.8 | 100       |
| CR48-2-1      | CR48-2-2 | 1284002 | 171491138222 | 4.9       | 4.5 | 7.5  | 9.6  | 2.0 | 2.8 | 100       |
| CR48-3-1      | CR48-3-2 | 1284003 | -            | 4.9       | 7.5 | 10.5 | 9.6  | 2.0 | 2.8 | 100       |
| CR56-1-1      | CR56-1-2 | 1285318 | 1285319      | 5.7       | 2.0 | 5.0  | 12.0 | 2.2 | 3.4 | 100       |
| CR56-2-1      | 1285320  | -       | -            | 5.7       | 5.0 | 8.0  | 12.0 | 2.2 | 3.4 | 100       |
| CR56-3-1      | CR56-3-2 | 1285323 | 1285324      | 5.7       | 8.0 | 11.5 | 12.0 | 2.2 | 3.4 | 100       |



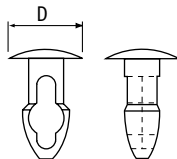
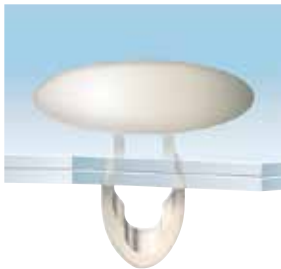
# NIETEN UND PLATTENBEFESTIGUNGEN

## Schlüssellochstifte

SR 1970

Nylon 6.6, natur

- Problemlose Montage durch einfaches Eindrücken mit dem Finger
- Gute elektrische Isolierung
- Vibrations-, abriebs- und korrosionsbeständig

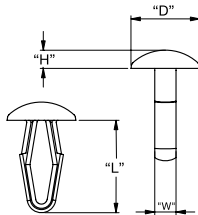


| Artikelnummer | Maße (mm)                |                       |       | Stück/VPE |
|---------------|--------------------------|-----------------------|-------|-----------|
|               | Bohrungsdurchmesser (mm) | Maximale Plattendicke | D     |           |
| 460402        | 3.18                     | 2.36                  | 6.35  | 1000      |
| 460403        | 3.18                     | 3.18                  | 6.35  | 1000      |
| 460404        | 3.18                     | 3.96                  | 6.35  | 1000      |
| 460405        | 3.18                     | 4.78                  | 6.35  | 1000      |
| 460406        | 3.18                     | 5.56                  | 6.35  | 1000      |
| 460407        | 3.18                     | 6.35                  | 6.35  | 1000      |
| 460408        | 3.96                     | 2.36                  | 7.94  | 1000      |
| 460409        | 3.96                     | 3.18                  | 7.94  | 1000      |
| 460410        | 3.96                     | 3.96                  | 7.94  | 1000      |
| 460411        | 3.96                     | 4.75                  | 7.94  | 1000      |
| 460412        | 3.96                     | 5.54                  | 7.94  | 1000      |
| 460413        | 3.96                     | 6.35                  | 7.94  | 1000      |
| 460416        | 3.96                     | 8.71                  | 7.94  | 1000      |
| 460417        | 3.96                     | 9.53                  | 7.94  | 1000      |
| 460418        | 5.56                     | 2.36                  | 8.73  | 1000      |
| 460419        | 5.56                     | 3.18                  | 8.73  | 1000      |
| 460420        | 5.56                     | 3.96                  | 8.73  | 1000      |
| 460421        | 5.56                     | 4.78                  | 8.73  | 1000      |
| 460422        | 5.56                     | 5.56                  | 8.73  | 1000      |
| 460423        | 5.56                     | 6.35                  | 8.73  | 1000      |
| 460425        | 5.56                     | 7.92                  | 8.73  | 1000      |
| 460426        | 6.35                     | 2.36                  | 12.70 | 1000      |
| 460427        | 6.35                     | 3.18                  | 12.70 | 1000      |
| 460428        | 6.35                     | 3.96                  | 12.70 | 1000      |
| 460429        | 6.35                     | 4.75                  | 12.70 | 1000      |
| 460431        | 6.35                     | 6.35                  | 12.70 | 1000      |
| 460432        | 6.35                     | 7.14                  | 12.70 | 1000      |
| 460433        | 6.35                     | 7.92                  | 12.70 | 1000      |
| 460434        | 6.35                     | 8.71                  | 12.70 | 1000      |
| 460435        | 6.35                     | 9.53                  | 12.70 | 1000      |

## Befestigungsknopf

DF/DFVO

Farbe: Natur



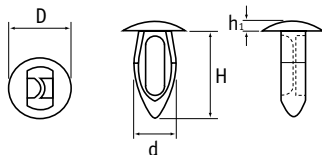
| Material: UL94 HB Acetal, RMS-14A | Material: UL94 V0 Nylon 6/6, RMS-19 | Bohrung Ø | Befestigungsbereich | "D" Ø | "H" | "L" Ref. | "W" Ref. | Stück/VPE |
|-----------------------------------|-------------------------------------|-----------|---------------------|-------|-----|----------|----------|-----------|
| DF-137-010                        | DFVO-137-010                        | 3.2       | 1 - 4.5             | 8     | 1.5 | 13       | 2.7      | 1000      |
| DF-137-020                        | DFVO-137-020                        | 3.9       | 1 - 5               | 9     | 1.6 | 14       | 2.9      | 1000      |
| DF-137-030                        | DFVO-137-030                        | 4.7       | 1 - 5.5             | 10    | 1.7 | 15       | 3.4      | 1000      |
| DF-137-031                        | DFVO-137-031                        | 4.7       | 1 - 5.5             | 11    | 2.9 | 15       | 3.4      | 1000      |
| DF-137-040                        | DFVO-137-040                        | 6.4       | 1.5 - 6.5           | 12    | 2   | 17       | 3.9      | 1000      |
| DF-137-050                        | DFVO-137-050                        | 7.8       | 1.5 - 7             | 14    | 2.2 | 19       | 4.2      | 1000      |
| DF-137-060                        | DFVO-137-060                        | 5.5       | 6 - 9               | 12    | 2   | 17.5     | 3.8      | 1000      |

## Pfeilstifte

SR 1969

Nylon 6.6, natur

- Gute elektrische Isolierung
- Vibrations-, abriebs- und korrosionsbeständig



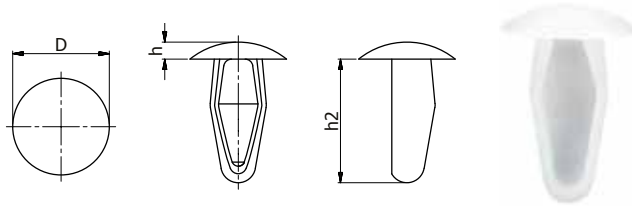
| Artikelnummer | Plattenbohrungsdurchm. (mm) | Maße (mm)         |       |      |       |      | Stück/VPE |
|---------------|-----------------------------|-------------------|-------|------|-------|------|-----------|
|               |                             | Plattendicke (mm) | D     | h1   | H     | d    |           |
| 460387        | 2.16-2.29                   | 0.81-2.72         | 3.18  | 0.76 | 4.75  | 2.72 | 1000      |
| 460388        | 3.00-3.10                   | 1.57-3.18         | 7.11  | 1.52 | 9.91  | 3.71 | 1000      |
| 460389        | 3.02-3.43                   | 1.58-3.18         | 6.86  | 1.01 | 8.38  | 3.56 | 1000      |
| 460390        | 3.84-4.09                   | 1.57-3.18         | 7.11  | 1.02 | 9.91  | 4.98 | 1000      |
| 460391        | 3.84-4.09                   | 1.57-3.68         | 7.11  | 2.03 | 10.16 | 4.57 | 1000      |
| 460392        | 4.06-4.19                   | 0.81-3.18         | 7.11  | 2.03 | 10.16 | 4.72 | 1000      |
| 460393        | 4.62-4.88                   | 1.57-3.18         | 9.14  | 1.52 | 10.16 | 5.72 | 1000      |
| 460394        | 4.62-4.88                   | 4.19-4.70         | 9.53  | 1.52 | 13.33 | 5.23 | 1000      |
| 460400        | 8.38-8.64                   | 3.18-8.88         | 17.45 | 0.75 | 22.74 | 9.4  | 1000      |
| 460401        | 8.51-8.76                   | 1.57-3.56         | 22.0  | 1.27 | 11.43 | 9.22 | 1000      |

## Treibstifte

SR 1964

Nylon 6.6

- Ideal zur Befestigung von dünnem Material oder leichten Komponenten
- Eignen sich für die Befestigung an Frontplatten

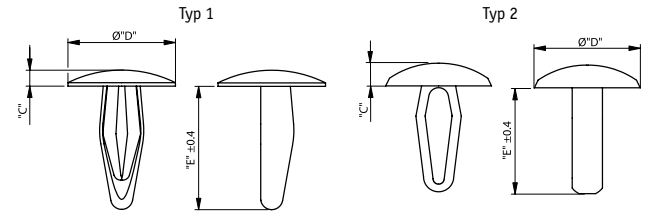


| Artikelnummer |              | Bohrungsdurchmesser | Plattendicke | Maße (mm) |      |     | Stück/VPE |
|---------------|--------------|---------------------|--------------|-----------|------|-----|-----------|
| Natur         | Schwarz      |                     |              | D         | h2   | h   |           |
| 091000000002  | 091000059902 | 2.8                 | 0.8 - 3.6    | 7.8       | 12.0 | 1.2 | 500       |
| 091000100002  | 091000159902 | 3.5                 | 2.4 - 5.8    | 7.6       | 13.0 | 1.1 | 500       |
| 091000200002  | 091000259902 | 3.5                 | 0.9 - 4.0    | 10.3      | 11.0 | 2.5 | 500       |
| 091000300002  | 091000359902 | 3.5                 | 0.9 - 4.0    | 10.3      | 11.0 | 4.8 | 500       |
| 091000600002  | 091000659902 | 4.8                 | 0.8 - 4.0    | 9.5       | 11.0 | 1.5 | 500       |
| 091000400002  | 091000459902 | 5.0                 | 1.5 - 3.5    | 9.5       | 11.0 | 1.6 | 500       |
| 091000700002  | 091000769902 | 5.0                 | 3.0 - 6.0    | 13.8      | 14.4 | 2.2 | 250       |
| 091001000002  | 091001069902 | 5.0                 | 0.5 - 3.0    | 13.5      | 14.4 | 2.6 | 250       |
| 091001200002  | 091001259902 | 5.8                 | 6.0 - 8.5    | 15.0      | 18.0 | 3.0 | 250       |
| 091001100002  | 091001159902 | 6.5                 | 3.0 - 7.0    | 14.0      | 19.0 | 2.5 | 250       |
| 091001300002  | 091001359902 | 6.6                 | 0.8 - 5.0    | 12.7      | 14.5 | 1.7 | 250       |
| 091001500002  | 091001559902 | 7.2                 | 2.0 - 5.5    | 14.3      | 17.0 | 2.0 | 250       |
| 091001650002  | 091001659902 | 9.4                 | 3.0 - 9.0    | 20.0      | 24.0 | 2.6 | 250       |

## Mini-Montageknopf

MMB

UL94 V2, Polyamid 6/6, RMS-01

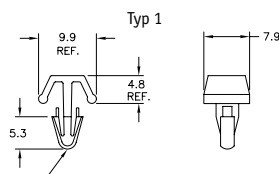


| Artikelnummer |                | Material UL94 V0 Polyamid 6/6, RMS-19 | Bohrung Ø | Gesamtstärke | "C" | "D" Ø | "E"  | Typ | Stück/VPE |
|---------------|----------------|---------------------------------------|-----------|--------------|-----|-------|------|-----|-----------|
| Farbe: Natur  | Farbe: schwarz |                                       |           |              |     |       |      |     |           |
| MMB-125-01    | MMB-125-01BK   | MMB-125-19                            | 3.10-3.22 | 2-2.5        | 1   | 6.9   | 8.4  | 1   | 1000      |
| MMB-136-01    | MMB-136-01BK   | MMB-136-19                            | 3.32-3.58 | 2.9-4        | 1.7 | 10.3  | 11.1 | 1   | 1000      |
| MMB-187-01    | MMB-187-01BK   | MMB-187-19                            | 4.61-4.88 | 2.5-4        | 2.2 | 12.7  | 10.9 | 1   | 1000      |
| MMB-210-01    | MMB-210-01BK   | MMB-210-19                            | 5-5.4     | 2.5-4        | 3   | 14    | 14   | 2   | 1000      |
| MMB-250-01    | MMB-250-01BK   | MMB-250-19                            | 6.27-6.42 | 2.5-5.6      | 2.2 | 12.7  | 16.3 | 1   | 1000      |

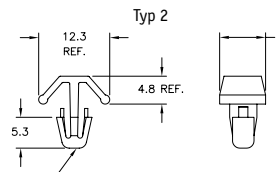
## Flachkopf-Montageknopf

MB

UL94 V2 Nylon 6/6, RMS-01, natur



Für Bohrung Ø4



Für Bohrung Ø 4.8



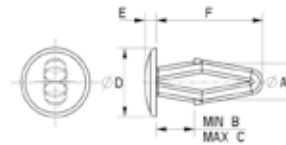
| Typ 1     | Typ 2     | Befestigungsbereich | Stück/VPE |
|-----------|-----------|---------------------|-----------|
| MB-1-156  | MB-1-187  | 0.8 - 2.4           | 1000      |
| MB-3-156  | MB-3-187  | 2.4 - 4             | 1000      |
| MB-5-156  | MB-5-187  | 4 - 5.6             | 1000      |
| MB-7-156  | -         | 5.6 - 7.1           | 1000      |
| MB-9-156  | MB-9-187  | 7.1 - 8.7           | 1000      |
| MB-11-156 | MB-11-187 | 8.7 - 10.3          | 1000      |

## Treibstifte

SR 5742

POM

- Natur oder schwarz
- Jeder Typ eignet sich für unterschiedliche Blechstärken
- Das Verbinden, Installieren und Befestigen ist ohne Werkzeug möglich



| Artikelnummer | Farbe   | Maße (mm) |     |     |    |     |    | Stück/VPE |
|---------------|---------|-----------|-----|-----|----|-----|----|-----------|
|               |         | A         | B   | C   | D  | E   | F  |           |
| 137000800005  | Natur   | 3.2       | 1   | 4.5 | 8  | 1.5 | 13 | 500       |
| 137000859905  | Schwarz | 3.2       | 1   | 4.5 | 8  | 1.5 | 13 | 500       |
| 137001000005  | Natur   | 3.3       | 1   | 4.5 | 8  | 1.5 | 13 | 500       |
| 137001059905  | Schwarz | 3.3       | 1   | 4.5 | 8  | 1.5 | 13 | 500       |
| 137002000005  | Natur   | 3.9       | 1   | 5.0 | 9  | 1.6 | 14 | 500       |
| 137002059905  | Schwarz | 3.9       | 1   | 5.0 | 9  | 1.6 | 14 | 500       |
| 137003000005  | Natur   | 4.7       | 1   | 5.5 | 10 | 1.7 | 15 | 500       |
| 137003059905  | Schwarz | 4.7       | 1   | 5.5 | 10 | 1.7 | 15 | 500       |
| 137003100005  | Natur   | 4.7       | 1   | 5.5 | 10 | 3.0 | 15 | 500       |
| 137003159905  | Schwarz | 4.7       | 1   | 5.5 | 10 | 3.0 | 15 | 500       |
| 137004000005  | Natur   | 6.4       | 1.5 | 6.5 | 12 | 2.0 | 17 | 500       |
| 137004059905  | Schwarz | 6.4       | 1.5 | 6.5 | 12 | 2.0 | 17 | 500       |
| 137005000005  | Natur   | 7.8       | 1.5 | 7.0 | 14 | 2.4 | 19 | 500       |
| 137005059905  | Schwarz | 7.8       | 1.5 | 7.0 | 14 | 2.4 | 19 | 500       |
| 137006000005  | Natur   | 5.5       | 6   | 9.0 | 12 | 2.0 | 18 | 500       |
| 137006059905  | Schwarz | 5.5       | 6   | 9.0 | 12 | 2.0 | 18 | 500       |

# SCHNAPPNÄGEL UND SPERRKLINKENVERSCHLÜSSE

## Schnappnägel

SR 1965

Nylon oder Polypropylen

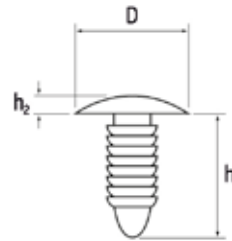
- Ideal zum Verschließen von Öffnungen mit und ohne Gewinde, Bohrungen und gestanzten Löchern
- Einige Größen sind jetzt auch in transparentem Polypropylen erhältlich



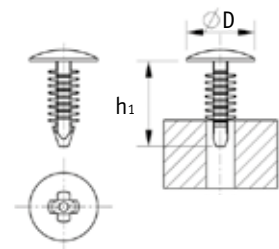
Typ 1



Typ 2



Typ 1



Typ 2

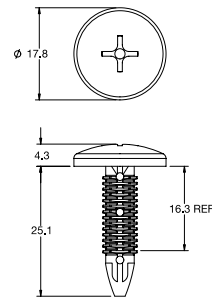
| Artikelnummer       |                 | Bohrungsdurchmesser | Maximale           | D (mm)    | h1 (mm) | h2 (mm) | Typ | Stück/<br>VPE |
|---------------------|-----------------|---------------------|--------------------|-----------|---------|---------|-----|---------------|
| Schwarz (Nylon 6.6) | Natur (Nylon 6) | Transparent (PP)    | Plattenstärke (mm) |           |         |         |     |               |
| 167201069902        | 167201000002    | -                   | 2.7-3.3            | 1.5-4.0   | 6.0     | 7.0     | 2   | 100           |
| 167201569902        | 167201500002    | -                   | 2.7-3.3            | 1.5-8.0   | 6.0     | 11.0    | 1   | 100           |
| 167202069902        | 167202000002    | -                   | 2.7-3.3            | 1.5-15.0  | 6.0     | 18.0    | 1   | 100           |
| 468809              | 468833          | 497394              | 3.0-3.2            | 4.0-16.5  | 5.5     | 18.5    | 1   | 1000          |
| 167203069902        | 167203000002    | -                   | 3.3-4.2            | 1.5-4.5   | 10.0    | 8.0     | 2   | 100           |
| 468811              | 468835          | -                   | 3.5                | 0.7-5.0   | 9.1     | 9.5     | 1   | 1000          |
| 167204069902        | 167204000002    | -                   | 4.1-5.2            | 1.0-2.5   | 12.0    | 6.0     | 2   | 100           |
| 167204569902        | 167204500002    | -                   | 4.1-5.2            | 1.5-5.5   | 12.0    | 10.0    | 2   | 100           |
| 167205069902        | 167205000002    | -                   | 4.1-5.2            | 2.0-10.0  | 12.0    | 15.0    | 2   | 100           |
| 460436              | -               | -                   | 4.8                | 0.6-9.23  | 9.5     | 12.7    | 1   | 1000          |
| 460437              | -               | -                   | 4.8                | 0.8-8.4   | 11.1    | 14.3    | 1   | 1000          |
| 468813              | 468837          | 495222              | 4.8                | 0.7-13.0  | 11.0    | 17.3    | 1   | 1000          |
| 463609              | -               | -                   | 4.9                | 2.4-7.4   | 11.2    | 12.5    | 1   | 100           |
| 468814              | 468838          | -                   | 5.0                | 1.2-6.0   | 16.0    | 11.0    | 2.0 | 1000          |
| 468815              | 468839          | -                   | 4.8                | 1.7-8.0   | 11.0    | 12.7    | 1.0 | 1000          |
| 167206069902        | 167206000002    | -                   | 5.6-6.4            | 2.0-7.0   | 13.0    | 12.0    | 2   | 100           |
| 167206569902        | 167206500002    | -                   | 5.6-6.4            | 1.5-15.0  | 13.0    | 20.0    | 1.5 | 100           |
| 167207069902        | 167207000002    | -                   | 5.6-6.4            | 1.0-27.0  | 13.0    | 32.0    | 1.5 | 100           |
| 167208069902        | 167208000002    | -                   | 5.9-7.2            | 2.0-5.5   | 17.0    | 11.0    | 2   | 100           |
| 167208569902        | 167208500002    | -                   | 5.9-7.2            | 1.0-10.0  | 17.0    | 15.0    | 2   | 100           |
| 167209069902        | 167209000002    | -                   | 5.9-7.2            | 2.0-19.0  | 17.0    | 24.0    | 1.2 | 100           |
| 468816              | 468840          | 497395              | 6.0                | 2.0-8.0   | 15.5    | 12.7    | 1.0 | 1000          |
| 468817              | 468841          | 497396              | 6.0                | 2.5-8.0   | 16.0    | 15.0    | 2.0 | 1000          |
| 468819              | 468843          | -                   | 6.0                | 3.5-19.0  | 12.7    | 24.0    | 1.5 | 1000          |
| 468820              | 468844          | 495223              | 6.0-6.3            | 2.3-8.9   | 17.8    | 15.5    | 2.4 | 1000          |
| 468821              | 468845          | 495221              | 6.0-6.3            | 2.5-12.0  | 17.8    | 20.4    | 2.5 | 1000          |
| 460439              | -               | -                   | 6.35               | 2.7-7.6   | 17.8    | 11.1    | 2.5 | 1000          |
| 460440              | -               | -                   | 6.35               | 3.8-13.5  | 17.8    | 18.9    | 2.7 | 1000          |
| 468824              | 468848          | 495225              | 6.4                | 2.7-7.3   | 19.1    | 15.9    | 0.8 | 1000          |
| -                   | -               | 495224              | 6.4                | 10.7-28.8 | 17.8    | 35.1    | 2.5 | 1000          |
| 167210069902        | 167210000002    | -                   | 6.8-8.3            | 1.5-9.0   | 13.0    | 14.0    | -   | 2             |
| 468826              | 468850          | 495227              | 7.0                | 2.0-25.0  | 30.0    | 34.8    | 2.2 | 1000          |
| -                   | -               | 495226              | 7.0                | 0.7-20.0  | 18.0    | 27.3    | 2.0 | 1000          |
| 468828              | 468852          | -                   | 7.0-7.2            | 2.4-11.9  | 15.9    | 18.9    | 1.0 | 1000          |
| 460441              | -               | -                   | 7.8                | 2.4-12.7  | 15.9    | 22.6    | 2.8 | 1000          |
| 495230              | 495232          | 497397              | 7.2                | 1.5-14.0  | 19.0    | 21.2    | 2.4 | 1000          |
| 495231              | 495233          | -                   | 7.2                | 1.5-25.4  | 19.0    | 30.5    | 2.0 | 1000          |
| 468799              | -               | 497398              | 7.5                | 2.7-17.0  | 19.0    | 21.0    | 2.0 | 1000          |
| 468829              | 468853          | -                   | 8.0                | 3.3-12.7  | 12.7    | 16.8    | 1.5 | 1000          |
| 468830              | -               | -                   | 8.7                | 1.4-13.0  | 16.0    | 19.1    | 2.3 | 1000          |
| 468831              | 468855          | -                   | 10.0               | 1.5-20.0  | 21.2    | 28.2    | 3.5 | 1000          |

## Befestigungsniete wiederlösbar

BPFR

Nylon 6/6, UL94 V0 RMS-19, schwarz

- Dieser Artikel hat einen Philips-Kreuzschlitz, um die Befestigungsniete aus dem Gewinde zu drehen

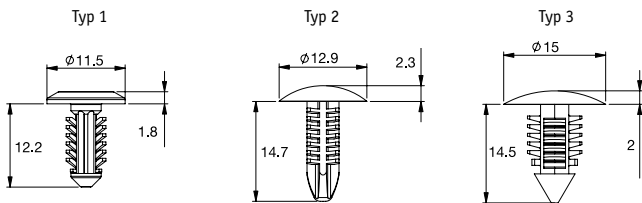


| Artikelnummer | Bohrung mit Gewinde | Bohrung ohne Gewinde Ø | Minimale Plattenstärke | Stück/VPE |
|---------------|---------------------|------------------------|------------------------|-----------|
| BPFR-1        | M8                  | 7                      | 6                      | 1000      |

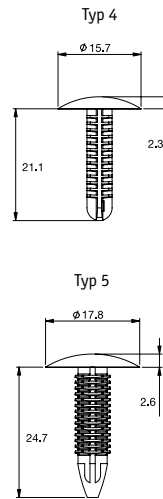
## Sperrklinkenverschluss

BPF

Schwarz



| Artikelnummer | Material        | Bohrung Ø | Befestigungsbereich | Typ | Stück/VPE |
|---------------|-----------------|-----------|---------------------|-----|-----------|
| BPF-A414      | UL94 V0, RMS-19 | 4,7       | 0,8 - 3             | 1   | 1000      |
| BPF-F4410     | UL94 V2, RMS-01 | 5         | 1,5 - 7,5           | 2   | 1000      |
| BPF-F2495     | UL94 V0, RMS-19 | 7         | 3,2 - 6             | 3   | 1000      |
| BPF-F3T31     | UL94 V0, RMS-19 | 5         | 2 - 10              | 4   | 1000      |
| BPF-F1G12     | UL94 V0, RMS-19 | 7         | 2 - 15              | 5   | 1000      |



## UNENTSCHLOSSEN?

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# SCHNAPPNÄGEL UND SPERRKLINKENVERSCHLÜSSE

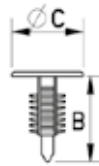
## Befestigungsniete

RBF

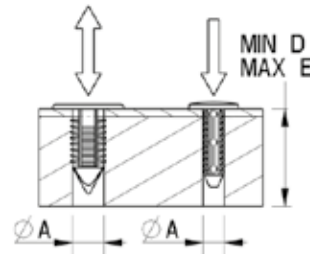
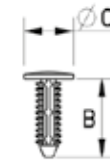
Nylon 6.6



Typ 1



Typ 2



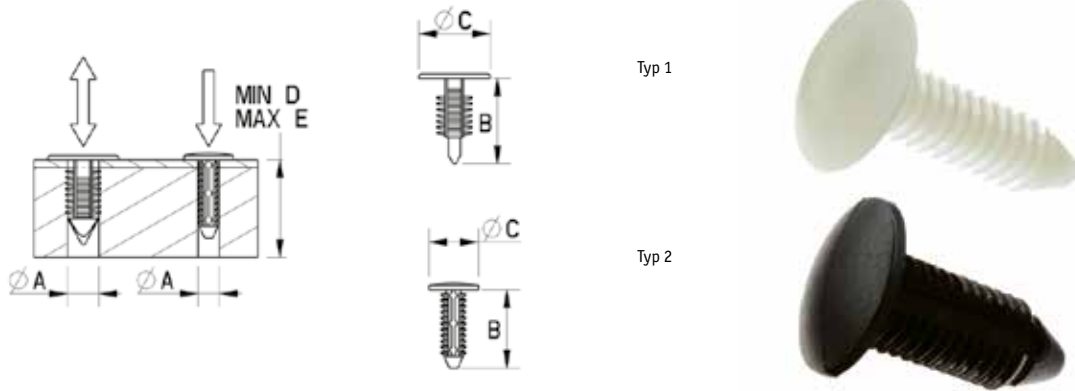
| Artikelnummer   |              | Bohrdurchm.<br>A (mm) | Kopfdurchm.<br>C (mm) | Empfohlene<br>Materialstärke (mm) | Kopfhöhe<br>(mm) | Länge<br>B (mm) | Typ | Stück/VPE |
|-----------------|--------------|-----------------------|-----------------------|-----------------------------------|------------------|-----------------|-----|-----------|
| Schwarz         | Natur        |                       |                       |                                   |                  |                 |     |           |
| 167002069902    | 167002000002 | 3                     | 6.0                   | 3.5-6.3                           | -                | 7.8             | 1   | 100       |
| 167002569902    | 167002500002 | 3                     | 5.5                   | 4.0-12.0                          | -                | 14.5            | 1   | 100       |
| 167002769902    | 167002700002 | 3                     | 5.4                   | 4.0-16.5                          | -                | 18.5            | 1   | 100       |
| 167102069902    | 167102000002 | 3.5                   | 9.1                   | 0.7-5.0                           | -                | 9.5             | 2   | 100       |
| RBF-4-8-6-8     | -            | 4                     | 8.0                   | 2.1-4.3                           | 1.0              | 8.6             | 1   | 1000      |
| RBF-4-11.1-8    | -            | 4                     | 8.0                   | 2.1-7.2                           | 1.0              | 11.1            | 1   | 1000      |
| RBF-4-15-8      | -            | 4                     | 8.0                   | 5.7-10.7                          | 1.0              | 15.0            | 1   | 1000      |
| RBF-4-8-6-12    | -            | 4                     | 12.0                  | 2.1-4.3                           | 1.5              | 8.6             | 1   | 1000      |
| 167003069902    | 167003000002 | 4                     | 9.5                   | 0.9-8.0                           | -                | 13.5            | 2   | 100       |
| 167102569902    | 167102500002 | 4                     | 9.1                   | 0.7-6.0                           | -                | 11.0            | 2   | 100       |
| RBF-4-11.1-12   | -            | 4                     | 12.0                  | 2.1-7.2                           | 1.5              | 11.1            | 1   | 1000      |
| RBF-4-15-12     | -            | 4                     | 12.0                  | 5.7-10.7                          | 1.5              | 15.0            | 1   | 1000      |
| RBF-4-8-6-16    | -            | 4                     | 16.0                  | 2.1-4.3                           | 2.0              | 8.6             | 1   | 1000      |
| RBF-4-11.1-16   | -            | 4                     | 16.0                  | 2.1-7.2                           | 2.0              | 11.1            | 1   | 1000      |
| RBF-4-15-16     | -            | 4                     | 16.0                  | 5.7-10.7                          | 2.0              | 15.0            | 1   | 1000      |
| RBF-4-8-8-6-8   | -            | 4.76                  | 8.0                   | 2.1-4.3                           | 1.0              | 8.6             | 1   | 1000      |
| RBF-4-8-11.1-8  | -            | 4.76                  | 8.0                   | 2.1-7.2                           | 1.0              | 11.1            | 1   | 1000      |
| RBF-4-8-15-8    | -            | 4.76                  | 8.0                   | 5.7-10.7                          | 1.0              | 15.0            | 1   | 1000      |
| RBF-4-8-8-6-12  | -            | 4.76                  | 12.0                  | 2.1-4.3                           | 1.5              | 8.6             | 1   | 1000      |
| RBF-4-8-11.1-12 | -            | 4.76                  | 12.0                  | 2.1-7.2                           | 1.5              | 11.1            | 1   | 1000      |
| RBF-4-8-15-12   | -            | 4.76                  | 12.0                  | 5.7-10.7                          | 1.5              | 15.0            | 1   | 1000      |
| RBF-4-8-8-6-16  | -            | 4.76                  | 16.0                  | 2.1-4.3                           | 2.0              | 8.6             | 1   | 1000      |
| RBF-4-8-11.1-16 | -            | 4.76                  | 16.0                  | 2.1-7.2                           | 2.0              | 11.1            | 1   | 1000      |
| RBF-4-8-15-16   | -            | 4.76                  | 16.0                  | 5.7-10.7                          | 2.0              | 15.0            | 1   | 1000      |
| 167003569902    | 167003500002 | 4.8                   | 11.0                  | 0.9-5.3                           | -                | 11.1            | 1   | 100       |
| 167103069902    | 167103000002 | 4.8                   | 11.0                  | 0.7-13.0                          | -                | 17.3            | 2   | 100       |
| 167103569902    | 167103500002 | 4.8                   | 11.0                  | 0.7-8.0                           | -                | 12.2            | 2   | 100       |
| 167004069902    | 167004000002 | 4.8                   | 11.9                  | 2.5-15.2                          | -                | 17.8            | 1   | 100       |
| 167104069902    | 167104000002 | 4.8                   | 19.0                  | 0.7-8.0                           | -                | 12.2            | 2   | 100       |
| 167004569902    | 167004500002 | 4.8                   | 11.0                  | 2.0-10.0                          | -                | 16.3            | 1   | 100       |
| 167005069902    | 167005000002 | 5.0                   | 16.0                  | 1.2-6.0                           | -                | 11.0            | 1   | 100       |
| 167005569902    | 167005500002 | 5.0                   | 11.0                  | 1.7-8.0                           | -                | 12.7            | 1   | 100       |
| -               | 167006000002 | 5.0                   | 19.0                  | 1.5-12.2                          | -                | 17.8            | 1   | 100       |
| 167104569902    | 167104500002 | 5.5                   | 16.5                  | 1.5-14.2                          | -                | 19.7            | 2   | 100       |
| 167105069902    | 167105000002 | 5.5                   | 13.0                  | 1.5-14.2                          | -                | 19.7            | 2   | 100       |
| 167006569902    | 167006500002 | 6.0                   | 15.5                  | 2.0-8.0                           | -                | 12.7            | 1   | 100       |
| 167106069902    | 167106000002 | 6.0                   | 17.8                  | 2.3-8.9                           | -                | 15.5            | 2   | 100       |

FORTSETZUNG AUF DER NÄCHSTEN SEITE

## Befestigungsarten FORTSETZUNG

RBF

Nylon 6.6



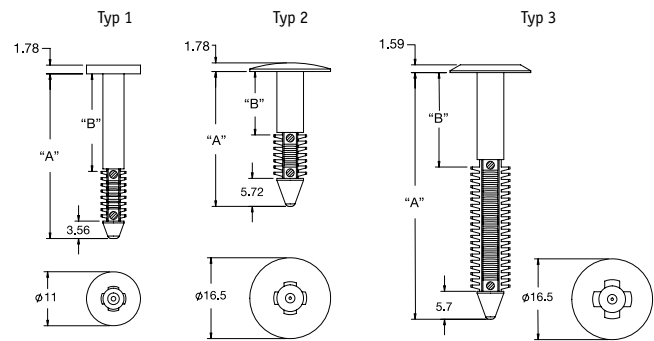
| Artikelnummer   |              | Bohrung Ø<br>A (mm) | Kopf Ø<br>C (mm) | Empfohlene<br>Materialstärke (mm) | Kopfhöhe<br>(mm) | Länge<br>B (mm) | Typ | Stück/VPE |
|-----------------|--------------|---------------------|------------------|-----------------------------------|------------------|-----------------|-----|-----------|
| Schwarz         | Natur        |                     |                  |                                   |                  |                 |     |           |
| 167106569902    | 167106500002 | 6.00                | 12.7             | 3.2-10.3                          | -                | 15.9            | 2   | 100       |
| 167007569902    | 167007500002 | 6.00                | 12.7             | 3.5-19.0                          | -                | 24.0            | 1   | 100       |
| 167107069902    | 167107000002 | 6.00                | 17.8             | 2.5-12.0                          | -                | 20.4            | 2   | 100       |
| 167107269902    | 167107200002 | 6.00                | 17.8             | 2.5-20.3                          | -                | 26.9            | 2   | 100       |
| 167008569902    | 167008500002 | 6.00                | 25.4             | 1.7-31.8                          | -                | 36.6            | 1   | 100       |
| 167006769902    | -            | 6.00                | 19.0             | 2.4-8.1                           | -                | 12.7            | 1   | 100       |
| 167007069902    | -            | 6.00                | 13.0             | 2.5-10.0                          | -                | 18.0            | 1   | 100       |
| RBF-6.4-8.6-8   | -            | 6.35                | 8.0              | 2.1-4.3                           | 1.0              | 8.6             | 1   | 1000      |
| RBF-6.4-11.1-8  | -            | 6.35                | 8.0              | 2.1-7.2                           | 1.0              | 11.1            | 1   | 1000      |
| RBF-6.4-15-8    | -            | 6.35                | 8.0              | 5.7-10.7                          | 1.0              | 15.0            | 1   | 1000      |
| RBF-6.4-8.6-12  | -            | 6.35                | 12.0             | 2.1-4.3                           | 1.5              | 8.6             | 1   | 1000      |
| RBF-6.4-11.1-12 | -            | 6.35                | 12.0             | 2.1-7.2                           | 1.5              | 11.1            | 1   | 1000      |
| RBF-6.4-8.6-16  | -            | 6.35                | 16.0             | 2.1-4.3                           | 2.0              | 8.6             | 1   | 1000      |
| RBF-6.4-11.1-16 | -            | 6.35                | 16.0             | 2.1-7.2                           | 2.0              | 11.1            | 1   | 1000      |
| RBF-6.4-15-16   | -            | 6.35                | 16.0             | 5.7-5.7                           | 2.0              | 15.0            | 1   | 1000      |
| 167009069902    | 167009000002 | 6.40                | 12.6             | 0.9-26.5                          | -                | 38.1            | 1   | 100       |
| 167107569902    | 167107500002 | 7.00                | 19.0             | 1.5-14.0                          | -                | 21.2            | 2   | 100       |
| 167010069902    | 167010000002 | 7.00                | 23.8             | 1.3-11.2                          | -                | 17.9            | 1   | 100       |
| 167011069902    | 167011000002 | 7.00                | 15.9             | 2.4-11.9                          | -                | 18.9            | 1   | 100       |
| 167011569902    | 167011500002 | 7.00                | 15.2             | 2.5-22.0                          | -                | 33.3            | 1   | 100       |
| 167012069902    | 167012000002 | 7.00                | 19.3             | 1.3-22.9                          | -                | 32.0            | 1   | 100       |
| 167012569902    | 167012500002 | 7.00                | 31.8             | 13.5-23.4                         | -                | 30.2            | 1   | 100       |
| 167108069902    | -            | 7.00                | 19.0             | 1.5-25.4                          | -                | 30.5            | 1   | 100       |
| RBF-7.1-15-8    | -            | 7.14                | 8.0              | 3.8-10.7                          | 1.0              | 15.0            | 1   | 1000      |
| RBF-7.1-19-8    | -            | 7.14                | 8.0              | 6.9-14.2                          | 1.0              | 19.0            | 1   | 1000      |
| RBF-7.1-11.1-12 | -            | 7.14                | 12.0             | 2.1-7.2                           | 1.5              | 11.1            | 1   | 1000      |
| RBF-7.1-15-12   | -            | 7.14                | 12.0             | 3.8-10.7                          | 1.5              | 15.0            | 1   | 1000      |
| RBF-7.1-19-12   | -            | 7.14                | 12.0             | 6.9-14.2                          | 1.5              | 19.0            | 1   | 1000      |
| RBF-7.1-11.1-16 | -            | 7.14                | 16.0             | 2.1-7.2                           | 2.0              | 11.1            | 1   | 1000      |
| RBF-7.1-15-16   | -            | 7.14                | 16.0             | 3.8-10.7                          | 2.0              | 15.0            | 1   | 1000      |
| RBF-7.1-19-16   | -            | 7.14                | 16.0             | 6.9-14.2                          | 2.0              | 19.0            | 1   | 1000      |
| 167013069902    | 167013000002 | 8                   | 12.7             | 3.3-12.7                          | -                | 16.8            | 1   | 100       |
| 167108569902    | -            | 8.7                 | 16               | 1.4-13.0                          | -                | 19.1            | 2   | 100       |
| 167109069902    | 167109000002 | 10                  | 25.4             | 2.9-14.4                          | -                | 20.8            | 2   | 100       |
| 167109569902    | 167109500002 | 10                  | 21.8             | 1.5-20.0                          | -                | 28.2            | 2   | 100       |

# SCHNAPPNÄGEL UND SPERRKLINKENVERSCHLÜSSE

## Blindlochbefestigungsniete

BHF

Nylon 6/6 UL94 V2, RMS-01, schwarz

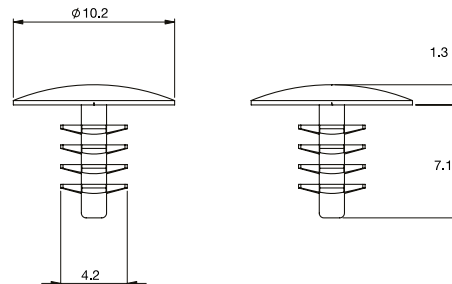


| Artikelnummer | "A"  | "B" Ref | Empfohlene Materialstärke | Bohrung Ø | Typ | Stück/VPE |
|---------------|------|---------|---------------------------|-----------|-----|-----------|
| BHF-1         | 14.2 | 0.5     | 0.9 - 9.8                 | 4.75      | 1   | 1000      |
| BHF-2         | 16.5 | 2.8     | 3.2 - 12.1                | 4.75      | 1   | 1000      |
| BHF-3         | 24.1 | 10.4    | 10.8 - 19.7               | 4.75      | 1   | 1000      |
| BHF-4         | 33.7 | 19.9    | 20.3 - 29.2               | 4.75      | 1   | 1000      |
| BHF-5         | 15.1 | 0.5     | 0.9 - 8.5                 | 6.35      | 2   | 1000      |
| BHF-7         | 22.5 | 7.9     | 8.3 - 15.9                | 6.35      | 2   | 1000      |
| BHF-8         | 27.6 | 12.9    | 13.3 - 21                 | 6.35      | 2   | 1000      |
| BHF-10        | 28.8 | 11.7    | 12.2 - 22.2               | 7.14      | 3   | 1000      |
| BHF-11        | 32.6 | 1.5     | 1.9 - 26                  | 7.14      | 3   | 1000      |
| BHF-12        | 37.7 | 6.6     | 7 - 31.1                  | 7.14      | 3   | 1000      |
| BHF-13        | 45.3 | 14.2    | 14.6 - 38.7               | 7.14      | 3   | 1000      |
| BHF-14        | 50.8 | 19.3    | 19.7 - 43.8               | 7.14      | 3   | 1000      |

## Presstift

PFP

Nylon 6/6, natur



| Artikelnummer | Bohrung Ø | Plattenstärke | Material                      | Stück/VPE |
|---------------|-----------|---------------|-------------------------------|-----------|
| PFP-7-01      | 3.5 ± .05 | 6.35 Min.     | UL94 V2, Polyamid 6/6, RMS-01 | 1000      |
| PFP-7-19      | 3.5 ± .05 | 6.35 Min.     | UL94 V0 Nylon 6/6, RMS-19     | 1000      |

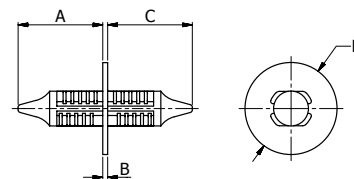
## Drucknieten mit doppelter Spitze und Widerhaken

SR 1913

Nylon 6.6, schwarz



- Ermöglicht das Verbinden von 2 Platten in der Mitte, so dass kein Befestigungselement sichtbar ist.
- Zum schnellen Einpressen in die Position



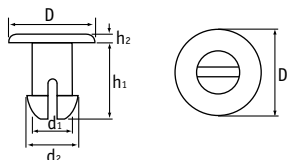
| Artikelnummer | Lochgröße (mm) | (mm)                  | Kopfdurchmesser D (mm) | Kopfhöhe B (mm) | Länge A&C (mm) | Stück/VPE |
|---------------|----------------|-----------------------|------------------------|-----------------|----------------|-----------|
| 495218        | 4.0            | 2.6 - 6.3             | 7.5                    | 1.8             | 7.8            | 1000      |
| 495219        | 7.5            | 3.0 - 8.0             | 19.0                   | 1.0             | 17.5           | 1000      |
| 495220        | 8.0            | A=3.2-9.5, C=3.6-19.0 | 12.7                   | 1.1             | A=11.6 C=21.8  | 1000      |

## Druckstifte

SR 1968

Nylon 6,6, natur

- Zum festen Verschließen von vorgestanzen Löchern
- Vibrations-, abriebs- und korrosionsbeständig



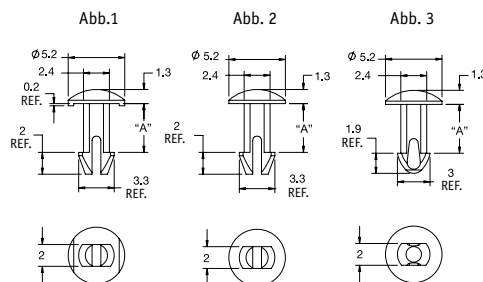
| Artikelnummer | Bohrungs-<br>durchmesser<br>(mm) | Maße (mm)                |     |     |      |     |      | Stück/VPE |
|---------------|----------------------------------|--------------------------|-----|-----|------|-----|------|-----------|
|               |                                  | Maximale<br>Plattendicke | d1  | d2  | D    | h2  | h1   |           |
| 2010360000VR  | 2.3 - 2.4                        | 1.7                      | 2.3 | 2.7 | 4.7  | 1.0 | 3.6  | 1000      |
| 2010060000VR* | 3.3 - 3.4                        | 3.1                      | 2.2 | 3.6 | 7.8  | 1.0 | 5.2  | 1000      |
| 2010590000VR  | 2.3 - 2.4                        | 3.7                      | 2.3 | 2.7 | 4.8  | 1.1 | 5.4  | 1000      |
| 2010070000VR* | 2.3 - 2.4                        | 1.6                      | 2.3 | 2.6 | 7.1  | 0.9 | 3.5  | 1000      |
| 2010080000VR* | 2.3 - 2.4                        | 2.4                      | 2.4 | 2.7 | 7.1  | 0.9 | 4.2  | 1000      |
| 2010090000VR  | 2.4 - 3.0                        | 2.9                      | 2.4 | 3.7 | 6.4  | 1.0 | 5.1  | 1000      |
| 2010560000VR  | 2.4 - 2.8                        | 8.0                      | 2.4 | 3.4 | 3.6  | 1.5 | 10.0 | 1000      |
| 2010100000VR  | 3.0 - 3.2                        | 3.1                      | 3.0 | 3.7 | 5.2  | 1.0 | 6.2  | 1000      |
| 2010110000VR  | 3.0 - 3.1                        | 3.5                      | 3.0 | 3.6 | 5.2  | 1.0 | 6.8  | 1000      |
| 2010120000VR  | 3.0 - 3.1                        | 4.0                      | 3.0 | 3.6 | 5.2  | 0.8 | 7.6  | 1000      |
| 2010130000VR  | 3.0 - 3.1                        | 6.0                      | 3.0 | 3.5 | 5.2  | 1.0 | 7.8  | 1000      |
| 2010460000VR  | 3.0 - 3.2                        | 6.4                      | 3.0 | 3.7 | 5.2  | 1.1 | 9.2  | 1000      |
| 2010770000VR  | 3.0 - 3.2                        | 8.1                      | 3.0 | 3.7 | 6.0  | 0.8 | 10.2 | 1000      |
| 2010750000VR  | 3.0 - 3.2                        | 14.0                     | 3.0 | 3.7 | 6.4  | 1.5 | 17.5 | 1000      |
| 2010150000VR  | 3.3 - 3.8                        | 4.8                      | 3.3 | 4.6 | 5.2  | 1.0 | 7.1  | 1000      |
| 2010950000VR  | 3.7 - 4.5                        | 3.3                      | 3.7 | 5.2 | 15.0 | 1.3 | 6.5  | 1000      |
| 2010160000VR  | 3.8 - 4.6                        | 8.0                      | 3.8 | 5.3 | 9.9  | 1.5 | 10.9 | 1000      |
| 2010490000VR  | 4.1 - 4.4                        | 11.4                     | 4.1 | 5.1 | 8.7  | 1.8 | 15.5 | 1000      |
| 2010170000VR  | 4.2 - 4.4                        | 1.7                      | 4.2 | 5.1 | 8.7  | 3.0 | 5.3  | 1000      |
| 2010180000VR  | 4.2 - 4.4                        | 3.4                      | 4.2 | 5.1 | 8.7  | 1.0 | 6.8  | 1000      |
| 2010990000VR  | 4.4 - 4.7                        | 4.6                      | 4.5 | 5.6 | 10.0 | 1.4 | 8.6  | 1000      |
| 2010190000VR  | 4.4 - 4.8                        | 6.3                      | 4.4 | 5.7 | 8.7  | 1.7 | 10.8 | 1000      |
| 2010200000VR  | 4.6 - 4.8                        | 14.1                     | 4.6 | 5.7 | 8.7  | 1.8 | 18.0 | 1000      |
| 2010370000VR  | 4.6 - 4.8                        | 16.2                     | 4.6 | 5.6 | 9.5  | 1.5 | 20.0 | 1000      |
| 2010760000VR  | 5.0 - 5.3                        | 3.3                      | 5.0 | 6.0 | 12.0 | 3.0 | 7.1  | 1000      |
| 2010220000VR  | 5.1 - 5.2                        | 4.0                      | 5.1 | 5.8 | 12.0 | 1.3 | 7.7  | 1000      |
| 2010230000VR  | 5.2 - 5.3                        | 9.5                      | 5.2 | 6.0 | 8.7  | 1.0 | 13.0 | 1000      |
| 2010040000VR  | 5.5 - 5.9                        | 3.5                      | 5.5 | 7.0 | 14.0 | 3.0 | 7.0  | 1000      |
| 2010240000VR  | 5.8 - 6.5                        | 44.0                     | 5.8 | 7.5 | 10.0 | 1.8 | 49.2 | 1000      |
| 2010850000VR  | 6.1 - 6.4                        | 3.2                      | 6.1 | 7.1 | 12.7 | 1.4 | 7.8  | 1000      |
| 2010860000VR  | 6.1 - 6.4                        | 4.0                      | 6.1 | 7.1 | 12.7 | 1.4 | 8.5  | 1000      |
| 2010870000VR  | 6.1 - 6.4                        | 4.8                      | 6.1 | 7.1 | 12.7 | 1.5 | 9.3  | 1000      |
| 2010880000VR  | 6.1 - 6.3                        | 5.6                      | 6.1 | 7.0 | 12.7 | 1.5 | 10.5 | 1000      |
| 2010890000VR  | 6.1 - 6.4                        | 6.3                      | 6.1 | 7.2 | 12.7 | 1.6 | 10.8 | 1000      |
| 2010250000VR  | 6.1 - 6.5                        | 7.0                      | 6.1 | 7.5 | 11.5 | 1.0 | 11.8 | 1000      |
| 2010260000VR  | 6.1 - 6.5                        | 7.6                      | 6.1 | 7.5 | 11.5 | 1.5 | 12.4 | 1000      |
| 2010910000VR  | 6.1 - 6.4                        | 8.0                      | 6.1 | 7.1 | 12.7 | 1.5 | 12.4 | 1000      |
| 2010280000VR  | 6.1 - 6.5                        | 8.4                      | 6.1 | 7.5 | 11.5 | 1.6 | 13.1 | 1000      |
| 2010920000VR  | 6.1 - 6.4                        | 8.8                      | 6.1 | 7.1 | 12.7 | 1.5 | 13.2 | 1000      |
| 2010930000VR  | 6.1 - 6.4                        | 9.5                      | 6.1 | 7.1 | 12.7 | 1.6 | 13.8 | 1000      |
| 2010980000VR  | 6.1 - 6.4                        | 11.1                     | 6.1 | 7.1 | 12.7 | 1.5 | 15.6 | 1000      |
| 2010960000VR  | 6.1 - 6.4                        | 11.8                     | 6.1 | 7.1 | 12.7 | 1.4 | 16.4 | 1000      |
| 2010970000VR  | 6.1 - 6.4                        | 12.7                     | 6.1 | 7.1 | 12.7 | 1.5 | 17.1 | 1000      |
| 2010830000VR  | 6.2 - 6.4                        | 1.6                      | 6.2 | 7.1 | 12.7 | 1.5 | 5.9  | 1000      |
| 2010840000VR  | 6.2 - 6.4                        | 2.5                      | 6.2 | 7.1 | 12.7 | 1.5 | 6.9  | 1000      |
| 2010270000VR  | 6.2 - 6.6                        | 6.3                      | 6.2 | 7.6 | 15.0 | 1.5 | 11.1 | 1000      |
| 2010290000VR  | 6.2 - 6.6                        | 9.5                      | 6.2 | 7.6 | 15.0 | 1.5 | 14.3 | 1000      |
| 2010940000VR  | 6.2 - 6.4                        | 10.3                     | 6.2 | 7.2 | 12.7 | 1.5 | 14.7 | 1000      |
| 2010300000VR  | 6.2 - 6.6                        | 12.2                     | 6.2 | 7.6 | 15.0 | 1.4 | 16.9 | 1000      |
| 2010540000VR  | 6.5 - 6.7                        | 5.0                      | 6.5 | 7.5 | 8.7  | 0.8 | 9.0  | 1000      |
| 2010320000VR  | 6.6 - 6.8                        | 4.3                      | 6.6 | 7.6 | 12.7 | 1.5 | 9.1  | 1000      |
| 2010340000VR  | 7.0 - 7.2                        | 10.3                     | 7.0 | 8.0 | 15.0 | 1.4 | 14.4 | 1000      |
| 2010570000VR  | 7.7 - 8.7                        | 3.0                      | 7.7 | 9.6 | 11.1 | 1.9 | 9.5  | 1000      |

\* Kein Schlitz

## Spitzbefestigung

SLP

Material: Nylon 6/6, RMS-01, Farbe: natur

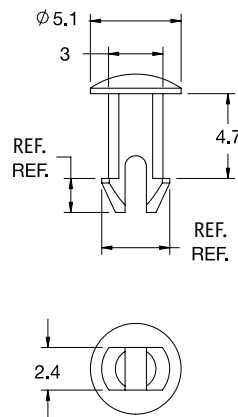


| Artikelnummer |              |              | Maße (mm) |           | Stück/VPE |
|---------------|--------------|--------------|-----------|-----------|-----------|
| Abb. 1        | Abb. 2       | Abb. 3       | "A"       | Bohrung Ø |           |
| SLP100-177-01 | SLP-1-177-01 | SLP-2-177-01 | 4.5       | 2.5±0.05  | 1000      |
| SLP100-221-01 | SLP-1-221-01 | SLP-2-221-01 | 5.6       | 2.5±0.05  | 1000      |
| -             | SLP-1-236-01 | SLP-2-236-01 | 6         | 2.5±0.05  | 1000      |
| SLP100-245-01 | SLP-1-245-01 | SLP-2-245-01 | 6.2       | 2.5±0.05  | 1000      |
| SLP100-307-01 | SLP-1-307-01 | SLP-2-307-01 | 7.8       | 2.5±0.05  | 1000      |
| SLP100-316-01 | SLP-1-316-01 | SLP-2-316-01 | 8         | 2.5±0.05  | 1000      |
| SLP100-330-01 | SLP-1-330-01 | SLP-2-330-01 | 8.4       | 2.5±0.05  | 1000      |
| SLP100-413-01 | SLP-1-413-01 | SLP-2-413-01 | 10.5      | 2.5±0.05  | 1000      |
| SLP100-638-01 | SLP-1-638-01 | SLP-2-638-01 | 16.2      | 2.5±0.05  | 1000      |

## Spitzbefestigung

SLP125

Material: UL94 V2 Nylon 6/6, RMS-01 Farbe: natur



| Artikelnummer | Bohrung Ø | Stück/VPE |
|---------------|-----------|-----------|
| SLP125-187-01 | 3.18      | 1000      |

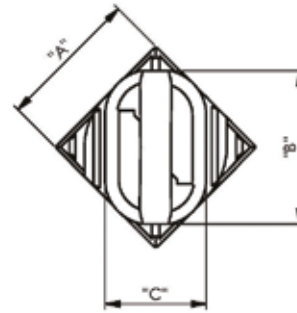


## Vierteldrehbefestigungen für Gehäuse

SR 6281

Nylon 6/6, schwarz mit Glasfaserverstärkung

- Schnellobjekt für 19"-Gehäuse
- Ersetzt die für ovale Befestigungslöcher entwickelten Käfigmutter und -bolzen
- Vorheriges Positionieren möglich für einfachere Befestigung der Geräte
- Verstärktes Material für extra starken Halt
- einteilige Bauweise
- Leichte Ausführung
- Großer Temperaturbereich -30 / +140 °C



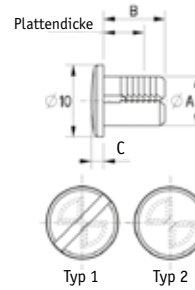
| Artikelnummer | Maße (mm) |      |     | Stärke Montageplatte | Stärke der Gehäuseschiene | Stück/VPE |
|---------------|-----------|------|-----|----------------------|---------------------------|-----------|
|               | A         | B    | C   |                      |                           |           |
| RQT-1         | 9 x 9     | 10.3 | 6.8 | 1.5                  | 2                         | 1000      |
| RQT-2         | 9.3 x 9.3 | 10.3 | 6.8 | 1.5                  | 2                         | 1000      |
| RQT-3         | 9.5 x 9.5 | 10.3 | 6.8 | 1.5                  | 2                         | 1000      |
| RQT-4         | 9 x 9     | 11.5 | 8.5 | 1.5                  | 2                         | 1000      |
| RQT-5         | 9.3 x 9.3 | 11.5 | 8.5 | 1.5                  | 2                         | 1000      |
| RQT-6         | 9.5 x 9.5 | 11.5 | 8.5 | 1.5                  | 2                         | 1000      |

## Farbige Schnappnieten

SR5740

Nylon

- Erhältlich in verschiedenen Farben
- Eine vollständige Verbindung durch Ineinanderklicken von zwei Nieten!
- Kein Werkzeug, keine Schrauben etc. erforderlich
- Spezielle Dämpfungsunterlegscheibe für größere Oberflächen erhältlich



RAL-Farben



Eine exakte Farbwiedergabe ist aus drucktechnischen Gründen nicht immer möglich.

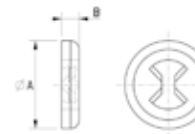
| Artikelnummer |              |              |              |              |              | Maße (mm) |      |     | Platte<br>Materialstärke | Typ | Stück/VPE |
|---------------|--------------|--------------|--------------|--------------|--------------|-----------|------|-----|--------------------------|-----|-----------|
| Natur         | Grau         | Blau         | Rot          | Gelb         | Schwarz      | A         | B    | C   |                          |     |           |
| 096065500001  | 096065500201 | 096065508701 | 096065512401 | 096065513201 | 096065559901 | 5.5       | 5.4  | 1.7 | 5.7-7.3                  | 1   | 500       |
| 096095500001  | 096095500201 | 096095508701 | 096095512401 | -            | 096095559901 | 5.5       | 8.5  | 1.7 | 8.9-12.3                 | 1   | 500       |
| 096135500001  | 096135500201 | 096135508701 | 096135512401 | -            | 096135559901 | 5.5       | 12.4 | 1.7 | 12.8-20.5                | 1   | 500       |
| 096205500001  | 096205500201 | 096205508701 | 096205512401 | 096205513201 | 096205559901 | 5.5       | 19.8 | 1.7 | 20.2-34.4                | 1   | 500       |
| 096061000001  | 096061000201 | 096061008701 | 096061012401 | 096061013201 | 096061059901 | 7-7.2     | 5.4  | 1.7 | 5.7-7.3                  | 1   | 500       |
| 096091000001  | 096091000201 | 096091008701 | 096091012401 | 096091013201 | 096091059901 | 7-7.2     | 8.5  | 1.7 | 8.9-12.9                 | 2   | 500       |
| 096131000001  | 096131000201 | 096131008701 | 096131012401 | 096131013201 | 096131059901 | 7-7.2     | 12.4 | 1.7 | 12.8-20.5                | 2   | 500       |
| 096201000001  | 096201000201 | -            | 096201012401 | 096201013201 | 096201059901 | 7-7.2     | 19.8 | 1.7 | 20.2-34.4                | 2   | 500       |

## Farbige Schnappringe

SR5740

Nylon

- Erhältlich in verschiedenen Farben
- Zusammen mit den farbigen Schnappnieten geeignet für sehr dünne Anwendungen
- Geeignet für Drehpunkte



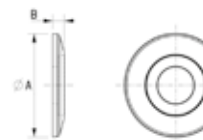
| Artikelnummer |              |              |              |      |              | Maße (mm) |   | Stück/VPE |
|---------------|--------------|--------------|--------------|------|--------------|-----------|---|-----------|
| Natur         | Grau         | Blau         | Rot          | Gelb | Schwarz      | A         | B |           |
| 096001000001  | 096001000201 | 096001008701 | 096001012401 | -    | 096001059901 | 10.2      | 2 | 500       |

## Farbige Unterlegscheiben

SR5740

Nylon

- Erhältlich in verschiedenen Farben
- Zur Vergrößerung der Auflagefläche der farbigen Schnappnieten
- Geeignet für Anwendungen mit Rotation

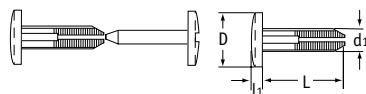


| Artikelnummer |              |              |              |              |              | Maße (mm) |     | Stück/VPE |
|---------------|--------------|--------------|--------------|--------------|--------------|-----------|-----|-----------|
| Natur         | Grau         | Blau         | Rot          | Gelb         | Schwarz      | A         | B   |           |
| 096001800001  | 096001800201 | 096001808701 | 096001812401 | 096001813201 | 096001859901 | 18.2      | 2.1 | 500       |

## Montageklemmen

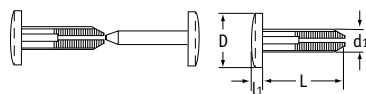
SR 1990

Nylon 6.6, natur



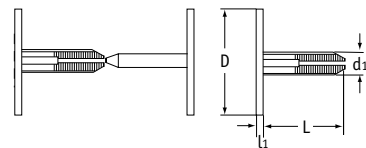
### 12 mm Kopf mit Schlitz

| Artikelnummer |              | Maße (mm)                |              |     |      |     |      | Stück/VPE |
|---------------|--------------|--------------------------|--------------|-----|------|-----|------|-----------|
| Schwarz       | Weiß         | Bohrungs-<br>durchmesser | Plattendicke | d1  | D    | l1  | L    |           |
| 8100670001VR  | 8100670008VR | 5 - 8                    | 5.3 - 7.5    | 5.0 | 12.0 | 3.0 | 5.5  | 1000      |
| 8100680001VR  | 8100680008VR | 5 - 8                    | 9.0 - 13.0   | 5.0 | 12.0 | 3.0 | 9.0  | 1000      |
| 8100690001VR  | 8100690008VR | 5 - 8                    | 13.0 - 20.0  | 5.0 | 12.0 | 3.0 | 13.0 | 1000      |
| -             | 8100660008VR | 5 - 8                    | 18.0 - 28.0  | 5.0 | 12.0 | 3.0 | 18.0 | 1000      |
| 8100700001VR  | 8100700008VR | 5 - 8                    | 20.0 - 34.0  | 5.0 | 12.0 | 3.0 | 20.0 | 1000      |
| 8100710001VR  | -            | 7 - 8                    | 13.0 - 20.0  | 7.0 | 12.0 | 3.0 | 13.0 | 1000      |



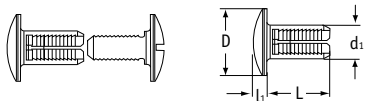
### 12 mm Kopf ohne Schlitz

| Artikelnummer |              | Maße (mm)                |              |     |      |     |      | Stück/VPE |
|---------------|--------------|--------------------------|--------------|-----|------|-----|------|-----------|
| Schwarz       | Weiß         | Bohrungs-<br>durchmesser | Plattendicke | d1  | D    | l1  | L    |           |
| 8110670001VR  | 8110670008VR | 5 - 8                    | 5.3 - 7.5    | 5.0 | 12.0 | 4.0 | 5.5  | 1000      |
| 8110680001VR  | 8110680008VR | 5 - 8                    | 9.0 - 13.0   | 5.0 | 12.0 | 4.0 | 9.0  | 1000      |
| 8110690001VR  | 8110690008VR | 5 - 8                    | 13.0 - 20.0  | 5.0 | 12.0 | 4.0 | 13.0 | 1000      |
| 8110660001VR  | 8110660008VR | 5 - 8                    | 18.0 - 28.0  | 5.0 | 12.0 | 4.0 | 18.0 | 1000      |
| 8110700001VR  | 8110700008VR | 5 - 8                    | 20.0 - 34.0  | 5.0 | 12.0 | 4.0 | 20.0 | 1000      |



### 19 mm Flachkopf ohne Schlitz

| Artikelnummer |              | Maße (mm)                |              |     |      |     |      | Stück/VPE |
|---------------|--------------|--------------------------|--------------|-----|------|-----|------|-----------|
| Schwarz       | Weiß         | Bohrungs-<br>durchmesser | Plattendicke | d1  | D    | l1  | L    |           |
| 8130670001VR  | 8130670008VR | 5 - 8                    | 5.3 - 7.5    | 5.0 | 19.0 | 3.0 | 5.5  | 1000      |
| 8130680001VR  | 8130680008VR | 5 - 8                    | 9.0 - 13.0   | 5.0 | 19.0 | 3.0 | 9.0  | 1000      |
| 8130690001VR  | 8130690008VR | 5 - 8                    | 13.0 - 20.0  | 5.0 | 19.0 | 3.0 | 13.0 | 1000      |
| 8130660001VR  | 8130660008VR | 5 - 8                    | 18.0 - 28.0  | 5.0 | 19.0 | 3.0 | 18.0 | 1000      |
| 8130700001VR  | 8130700008VR | 5 - 8                    | 20.0 - 34.0  | 5.0 | 19.0 | 3.0 | 20.0 | 1000      |
| 8130710001VR  | -            | 7 - 8                    | 13.0 - 20.0  | 7.0 | 19.0 | 3.0 | 13.0 | 1000      |



### 20 mm Halbrundkopf mit Schlitz

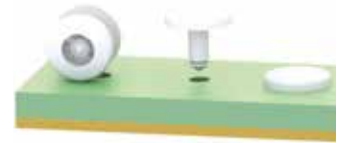
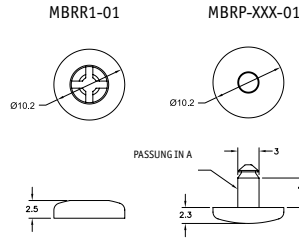
| Artikelnummer |              | Maße (mm)                |              |     |      |     |      | Stück/VPE |
|---------------|--------------|--------------------------|--------------|-----|------|-----|------|-----------|
| Schwarz       | Weiß         | Bohrungs-<br>durchmesser | Plattendicke | d1  | D    | l1  | L    |           |
| 8170820101VR  | 8170820108VR | 10 - 15                  | 8.7 - 11.5   | 9.7 | 20.0 | 3.5 | 8.5  | 1000      |
| 8170840101VR  | 8170840108VR | 10 - 15                  | 18.0 - 25.0  | 9.7 | 20.0 | 3.5 | 16.0 | 1000      |

## Miniatur-Verzahnriete

MBRR & MBRP

UL94 V2 Nylon 6/6, RMS-01, natur

| Artikelnummer | "A"  | Max.LP-Stärke | Stück/VPE |
|---------------|------|---------------|-----------|
| MBRP1-030-01  | 1.60 | 0.76          | 1000      |
| MBRP1-062-01  | 2.41 | 1.57          | 1000      |
| MBRP1-100-01  | 3.38 | 2.54          | 1000      |
| MBRP1-125-01  | 4.01 | 3.18          | 1000      |
| MBRP1-187-01  | 5.59 | 4.75          | 1000      |
| MBRP1-250-01  | 7.19 | 6.35          | 1000      |
| MBRR1-01      | -    | -             | 1000      |

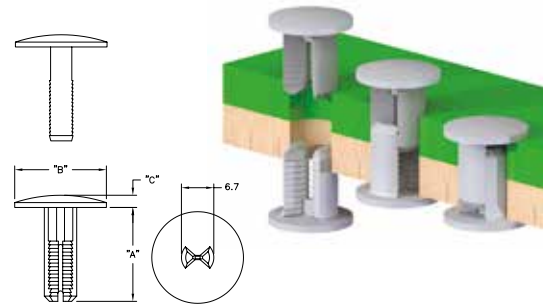


## Verzahnriete

BR

Material: UL94 V2 Nylon 6/6, RMS-01

| Artikelnummer |                | "A" Ref. | "B" Ø | "C" | Gesamtstärke | Bohrung Ø | Stück/VPE |
|---------------|----------------|----------|-------|-----|--------------|-----------|-----------|
| Farbe: Natur  | Farbe: schwarz |          |       |     |              |           |           |
| BR1-226-01    | BR1-226-01BK   | 5.7      | 19.1  | 2.4 | 6 - 7.5      | 7.1       | 1000      |
| BR1-344-01    | BR1-344-01BK   | 8.7      | 19.1  | 2.4 | 8.8 - 12.8   | 7.1       | 1000      |
| BR1-488-01    | BR1-488-01BK   | 12.4     | 19.1  | 2.4 | 12.7 - 20.6  | 7.1       | 1000      |
| BR1-768-01    | BR1-768-01BK   | 19.5     | 19.1  | 2.4 | 19.8 - 34.9  | 7.1       | 1000      |
| BR2-226-01    | BR2-226-01BK   | 5.7      | 10.2  | 1.6 | 6 - 7.5      | 7.1       | 1000      |
| BR2-344-01    | BR2-344-01BK   | 8.7      | 10.2  | 1.6 | 8.8 - 12.8   | 7.1       | 1000      |
| BR2-488-01    | BR2-488-01BK   | 12.4     | 10.2  | 1.6 | 12.7 - 20.6  | 7.1       | 1000      |
| BR2-768-01    | BR2-768-01BK   | 19.5     | 10.2  | 1.6 | 19.8 - 34.9  | 7.1       | 1000      |

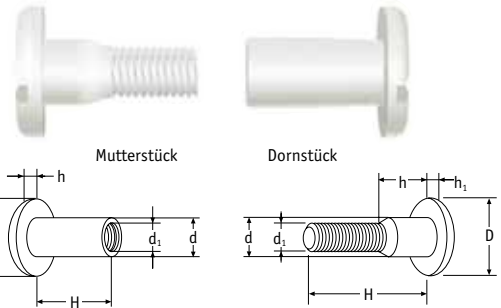


## Buchschrauben

SR 1999

Nylon 6

- Jeweils mit passendem Dorn- bzw. Mutterstück zu verwenden



Dornstück

| Artikelnummer | Farbe   | Maße (mm) |      |      |     |      |     | Stück/VPE |
|---------------|---------|-----------|------|------|-----|------|-----|-----------|
|               |         | d1        | D    | H    | d   | h    | h1  |           |
| 082041011301  | weiß    | M4        | 12.0 | 10.0 | 6.0 | -    | 2.5 | 250       |
| 082041011401  | schwarz | M4        | 12.0 | 10.0 | 6.0 | -    | 2.5 | 250       |
| 082051011301  | weiß    | M5        | 14.0 | 10.0 | 7.0 | -    | 2.5 | 250       |
| 082051011401  | schwarz | M5        | 14.0 | 10.0 | 7.0 | -    | 2.5 | 250       |
| 082051511301  | weiß    | M5        | 14.0 | 15.0 | 7.0 | 5.0  | 2.5 | 250       |
| 082051511401  | schwarz | M5        | 14.0 | 15.0 | 7.0 | 5.0  | 2.5 | 250       |
| 082052011301  | weiß    | M5        | 14.0 | 20.0 | 7.0 | 10.0 | 2.5 | 250       |
| 082052011401  | schwarz | M5        | 14.0 | 20.0 | 7.0 | 10.0 | 2.5 | 250       |
| 082052611301  | weiß    | M5        | 14.0 | 25.0 | 7.0 | 15.0 | 2.5 | 250       |
| 082052611401  | schwarz | M5        | 14.0 | 25.0 | 7.0 | 15.0 | 2.5 | 250       |
| 082053011301  | weiß    | M5        | 14.0 | 30.0 | 7.0 | 20.0 | 2.5 | 250       |
| 082054011301  | weiß    | M5        | 14.0 | 40.0 | 7.0 | 30.0 | 2.5 | 250       |
| 082054011401  | schwarz | M5        | 14.0 | 40.0 | 7.0 | 30.0 | 2.5 | 250       |
| 082061050001  | weiß    | M6        | 16.0 | 10.0 | 8.0 | -    | 3.0 | 500       |
| 082061059901  | schwarz | M6        | 16.0 | 10.0 | 8.0 | -    | 3.0 | 500       |
| 082061850001  | weiß    | M6        | 16.0 | 18.0 | 8.0 | 8.0  | 3.0 | 500       |
| 082061859901  | schwarz | M6        | 16.0 | 18.0 | 8.0 | 8.0  | 3.0 | 500       |
| 082062550001  | weiß    | M6        | 16.0 | 25.0 | 8.0 | 8.0  | 3.0 | 500       |
| 082062559901  | schwarz | M6        | 16.0 | 25.0 | 8.0 | 8.0  | 3.0 | 500       |
| 082063050001  | weiß    | M6        | 16.0 | 30.0 | 8.0 | 8.0  | 3.0 | 500       |
| 082063059901  | schwarz | M6        | 16.0 | 30.0 | 8.0 | 8.0  | 3.0 | 500       |
| 082063650001  | weiß    | M6        | 16.0 | 36.0 | 8.0 | 8.0  | 3.0 | 500       |
| 082063659901  | schwarz | M6        | 16.0 | 36.0 | 8.0 | 8.0  | 3.0 | 500       |
| 082063950001  | weiß    | M6        | 16.0 | 39.0 | 8.0 | 8.0  | 3.0 | 250       |
| 082063959901  | schwarz | M6        | 16.0 | 39.0 | 8.0 | 8.0  | 3.0 | 250       |
| 082064850001  | weiß    | M6        | 16.0 | 48.0 | 8.0 | 8.0  | 3.0 | 250       |
| 082064859901  | schwarz | M6        | 16.0 | 48.0 | 8.0 | 8.0  | 3.0 | 250       |

Mutterstück

| Artikelnummer | Farbe   | Maße (mm) |      |      |     |     | Stück/VPE |
|---------------|---------|-----------|------|------|-----|-----|-----------|
|               |         | d1        | D    | H    | d   | h   |           |
| 081041011301  | weiß    | M4        | 12.0 | 10.0 | 6.0 | 2.2 | 250       |
| 081041011401  | schwarz | M4        | 12.0 | 10.0 | 6.0 | 2.2 | 250       |
| 081041511301  | weiß    | M4        | 12.0 | 15.0 | 6.0 | 2.2 | 250       |
| 081041511401  | schwarz | M4        | 12.0 | 15.0 | 6.0 | 2.2 | 250       |
| 081042011301  | weiß    | M4        | 12.0 | 20.0 | 6.0 | 2.2 | 250       |
| 081042011401  | schwarz | M4        | 12.0 | 20.0 | 6.0 | 2.2 | 250       |
| 081042511301  | weiß    | M4        | 12.0 | 25.0 | 6.0 | 2.2 | 250       |
| 081042511401  | schwarz | M4        | 12.0 | 25.0 | 6.0 | 2.2 | 250       |
| 081043011301  | weiß    | M4        | 12.0 | 30.0 | 6.0 | 2.2 | 250       |
| 081043011401  | schwarz | M4        | 12.0 | 30.0 | 6.0 | 2.2 | 250       |
| 081051011301  | weiß    | M5        | 14.0 | 10.0 | 7.0 | 2.5 | 250       |
| 081051011401  | schwarz | M5        | 14.0 | 10.0 | 7.0 | 2.5 | 250       |
| 081061050001  | weiß    | M6        | 16.0 | 10.0 | 8.0 | 3.0 | 500       |
| 081061059901  | schwarz | M6        | 16.0 | 10.0 | 8.0 | 3.0 | 500       |
| 081061650001  | weiß    | M6        | 16.0 | 16.0 | 8.0 | 3.0 | 500       |
| 081061659901  | schwarz | M6        | 16.0 | 16.0 | 8.0 | 3.0 | 500       |
| 081161050001  | weiß    | M6        | 16.0 | 10.0 | 8.0 | 2.5 | 500       |
| 081161059901  | schwarz | M6        | 16.0 | 10.0 | 8.0 | 2.5 | 500       |
| 081161650001  | weiß    | M6        | 16.0 | 16.0 | 8.0 | 2.5 | 500       |
| 081161659901  | schwarz | M6        | 16.0 | 16.0 | 8.0 | 2.5 | 500       |

# BINDERSCHRAUBEN UND SCHNAPPBEFESTIGUNGEN

## Metall-Buchschrauben

SR 1918

Stahl

- Mutterstück/Dornstück sind separat erhältlich
- Kopfdurchmesser 9 mm
- In Nickel, Messing oder schwarz erhältlich
- Mutter- und Dornstück ineinandergeschraubt sorgen für eine sichere Befestigung
- Ideal für Mehrfachbefestigungen wie Musterkarten
- Passend für 5 mm-Bohrungen



### Buchse

| Artikelnummer      |                     |         | Länge (mm) | Stück/VPE |
|--------------------|---------------------|---------|------------|-----------|
| Nickel beschichtet | Messing beschichtet | Schwarz |            |           |
| 497101             | 497121              | 497141  | 5          | 200       |
| 497102             | 497122              | 497142  | 10         | 200       |
| 497103             | 497123              | 497143  | 15         | 200       |
| 497104             | 497124              | 497144  | 20         | 200       |
| 497105             | 497125              | 497145  | 25         | 200       |
| 497106             | 497126              | 497146  | 30         | 200       |
| 497107             | 497127              | 497147  | 35         | 200       |
| 497108             | 497128              | 497148  | 40         | 200       |
| 497109             | 497129              | 497149  | 45         | 200       |
| 497110             | 497130              | 497150  | 50         | 200       |
| 497111             | 497131              | -       | 55         | 100       |
| 497112             | 497132              | -       | 60         | 100       |
| 497113             | 497133              | -       | 65         | 100       |
| 497114             | -                   | -       | 70         | 100       |
| 497115             | 497135              | -       | 75         | 100       |
| 497116             | 497136              | -       | 80         | 100       |
| 497117             | 497137              | -       | 85         | 100       |
| 497118             | 497138              | -       | 90         | 100       |
| 497119             | 497139              | -       | 95         | 100       |
| 497120             | 497140              | -       | 100        | 100       |

### Stecker

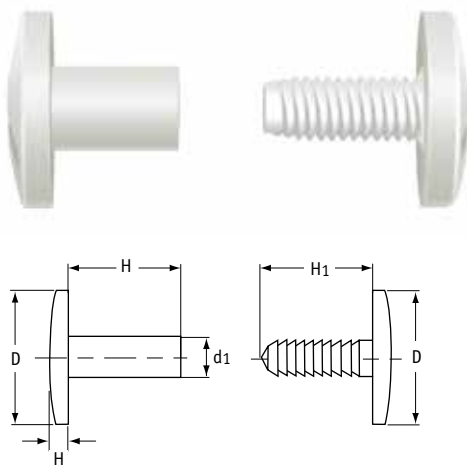
| Artikelnummer      |                     |         | Länge (mm) | Stück/VPE |
|--------------------|---------------------|---------|------------|-----------|
| Nickel beschichtet | Messing beschichtet | Schwarz |            |           |
| 497219             | 497220              | 497221  | 3          | 200       |
| 497222             | 497223              | 497224  | 6          | 200       |

## Binderschrauben

SR 1999

HDPE

- Mutter- und Dornstück ineinandergeschraubt sorgen für eine sichere Befestigung
- Ideal für Mehrfachbefestigungen wie Musterkarten



| Artikelnummer | Farbe   | Innengewinde |      | Außengewinde |      | Kopf |     | Stück/VPE |
|---------------|---------|--------------|------|--------------|------|------|-----|-----------|
|               |         | d1           | H    | Größe        | H1   | D    | h   |           |
| 0191010901VR  | schwarz | 5.0          | 5.0  | M4           | 5.0  | 12.0 | 2.6 | 1000      |
| 0191010908VR  | weiß    | 5.0          | 5.0  | M4           | 5.0  | 12.0 | 2.6 | 1000      |
| 0191020901VR  | schwarz | 5.0          | 6.0  | M4           | 5.0  | 12.0 | 2.6 | 1000      |
| 0191020908VR  | weiß    | 5.0          | 6.0  | M4           | 5.0  | 12.0 | 2.6 | 1000      |
| 0191040901VR  | schwarz | 5.0          | 8.0  | M4           | 5.0  | 12.0 | 2.6 | 1000      |
| 0191040908VR  | weiß    | 5.0          | 8.0  | M4           | 5.0  | 12.0 | 2.6 | 1000      |
| 0191050901VR  | schwarz | 5.0          | 10.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191050908VR  | weiß    | 5.0          | 10.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191060901VR  | schwarz | 5.0          | 12.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191060908VR  | weiß    | 5.0          | 12.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191070901VR  | schwarz | 5.0          | 15.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191070908VR  | weiß    | 5.0          | 15.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191080901VR  | schwarz | 5.0          | 20.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191080908VR  | weiß    | 5.0          | 20.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191090901VR  | schwarz | 5.0          | 25.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191090908VR  | weiß    | 5.0          | 25.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191100901VR  | schwarz | 5.0          | 30.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191100908VR  | weiß    | 5.0          | 30.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191110901VR  | schwarz | 5.0          | 35.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191110908VR  | weiß    | 5.0          | 35.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191120901VR  | schwarz | 5.0          | 40.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191120908VR  | weiß    | 5.0          | 40.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191140901VR  | schwarz | 5.0          | 50.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191140908VR  | weiß    | 5.0          | 50.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191160901VR  | schwarz | 5.0          | 60.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191160908VR  | weiß    | 5.0          | 60.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191190901VR  | schwarz | 5.0          | 80.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191190908VR  | weiß    | 5.0          | 80.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191200901VR  | schwarz | 5.0          | 90.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |
| 0191200908VR  | weiß    | 5.0          | 90.0 | M4           | 10.0 | 12.0 | 2.6 | 1000      |

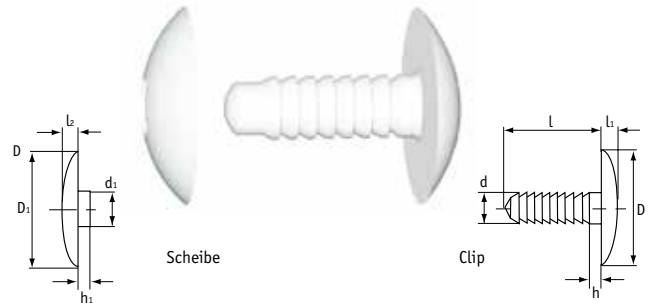
## Schnapp-Befestigungen

SR 1990

Unterlegscheiben - LDPE

Clip - Polypropylen

- Ideal zur Befestigung von gewellten oder gerippten Platten
- Einschnappbefestigung für schnelle Montage
- Eine Packung enthält jeweils 1000 Gegenstücke und Unterlegscheiben
- Jetzt auch in transparent erhältlich



30 mm Kopfdurchmesser (D)

| Artikelnummer |              |              | Maße Clip (mm)      |               |     |    |    |     |      | Maße Scheibe (mm) |     |      | Stück/VPE |
|---------------|--------------|--------------|---------------------|---------------|-----|----|----|-----|------|-------------------|-----|------|-----------|
| Schwarz       | Weiß         | Transparent  | Bohrungsdurchmesser | Plattenstärke | d   | l  | h  | l1  | h1   | d1                | l2  |      |           |
| 8502160901VR  | 8502160908VR | 8502160900VR | 8-20                | 6-10          | 6.0 | 14 | -  | 3.0 | 6.0  | 8.0               | 3.0 | 1000 |           |
| 8502260901VR  | 8502260908VR | 8502260900VR | 8-20                | 6-22          | 6.0 | 28 | 4  | 3.0 | 6.0  | 8.0               | 3.0 | 1000 |           |
| 8502440901VR  | 8502440908VR | 8502440900VR | 8-20                | 20-40         | 6.0 | 44 | 14 | 3.0 | 6.0  | 8.0               | 3.0 | 1000 |           |
| 8501160901VR  | 8501160908VR | 8501160900VR | 8-20                | 12-18         | 6.0 | 14 | -  | 3.0 | 12.0 | 8.0               | 3.0 | 1000 |           |
| 8501260901VR  | 8501260908VR | 8501260900VR | 8-20                | 12-30         | 6.0 | 28 | 4  | 3.0 | 12.0 | 8.0               | 3.0 | 1000 |           |
| 8501440901VR  | 8501440908VR | 8501440900VR | 8-20                | 12-46         | 6.0 | 44 | 14 | 3.0 | 12.0 | 8.0               | 3.0 | 1000 |           |

15 mm Kopfdurchmesser (D)

| Artikelnummer |              |              | Maße Clip (mm)      |               |    |     | Maße Scheibe (mm) |      | Stück/VPE |
|---------------|--------------|--------------|---------------------|---------------|----|-----|-------------------|------|-----------|
| Schwarz       | Weiß         | Transparent  | Bohrungsdurchmesser | Plattenstärke | l  | l1  | l2                |      |           |
| 8501150901VR  | 8501150908VR | 8501150900VR | 5-10                | 0-8           | 15 | 2.0 | 3.5               | 1000 |           |
| 8501220901VR  | 8501220908VR | 8501220900VR | 5-10                | 0-16          | 22 | 2.0 | 3.5               | 1000 |           |

## Drucknieten

SR 1991

Nylon 6.6

- Schnelles und problemloses Einklicken
- Ideal zum Zusammenfügen mehrerer leichter Platten oder Drucke



| Artikelnummer |              | Maße (mm)                |                          |      |     | Stück/VPE |
|---------------|--------------|--------------------------|--------------------------|------|-----|-----------|
| Weiß          | Schwarz      | Bohrungs-<br>durchmesser | Maximale<br>Plattendicke | D    | h1  |           |
| 8201020008VR  | 8201020001VR | 6.0                      | 2.2                      | 10.0 | 0.8 | 1000      |
| 8201030008VR  | 8201030001VR | 6.0                      | 3.2                      | 10.0 | 0.8 | 1000      |
| 8201040008VR  | 8201040001VR | 6.0                      | 4.2                      | 10.0 | 0.8 | 1000      |
| 8201050008VR  | 8201050001VR | 6.0                      | 5.2                      | 10.0 | 0.8 | 1000      |

Hinweis: Eine VPE enthält jeweils 1000 Clips und 1000 Gegenstücke.

## Viking-Schrauben

SR 1838

Polycarbonat transparent

- Schnelle und einfache Befestigung durch leichtes Eindrücken
- Gegenmutter wird mitgeliefert



| Artikelnummer | Maße (mm)       |       | Stück/VPE |
|---------------|-----------------|-------|-----------|
|               | Kopfdurchmesser | Länge |           |
| 464972        | 12.5            | 12.0  | 100       |
| 464973        | 12.5            | 20.0  | 100       |
| 464974        | 12.5            | 25.0  | 100       |

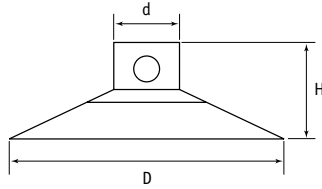
Hinweis: Eine Packung enthält jeweils 100 Schrauben und Muttern.

## Saugnapfe

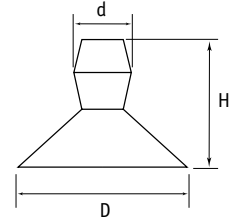
SR 1691

PVC

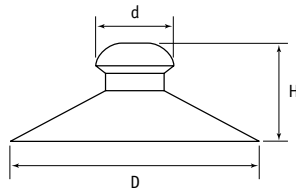
• Jetzt in schwarz und weiß erhältlich



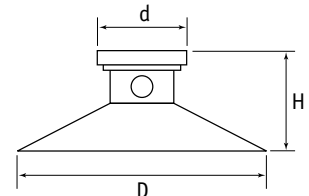
Typ 1



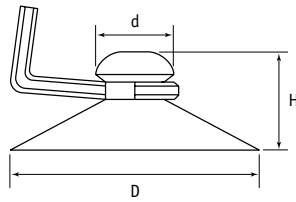
Typ 6



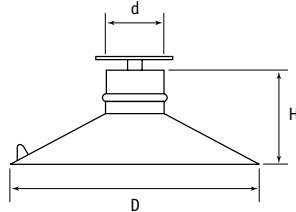
Typ 2



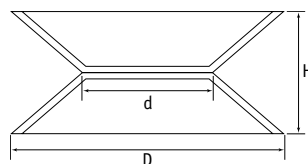
Typ 7



Typ 3



Typ 4



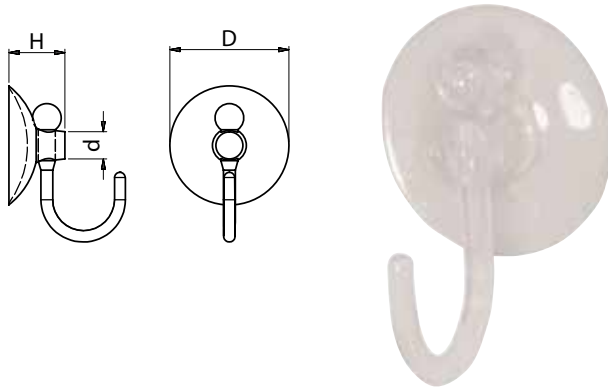
Typ 5

| Transparent | Artikelnummer |        | Typ | Maße (mm) |      |      | Loch Durchm. | Stück/VPE |
|-------------|---------------|--------|-----|-----------|------|------|--------------|-----------|
|             | Schwarz       | Weiß   |     | D         | H    | d    |              |           |
| 464781      | -             | -      | 1   | 22.0      | 8.4  | 6.2  | 2.8          | 3000      |
| 464784      | -             | -      | 1   | 25.0      | 10.0 | 6.2  | 3.5          | 2000      |
| 464785      | -             | -      | 1   | 30.0      | 14.0 | 10.0 | 4.7          | 1500      |
| 464788      | -             | -      | 1   | 35.0      | 12.5 | 11.4 | 4.7          | 1000      |
| 464791      | 496739        | 496738 | 1   | 40.0      | 16.0 | 10.0 | 5.0          | 2340      |
| 464796      | -             | -      | 1   | 45.0      | 19.6 | 12.5 | 5.0          | 500       |
| 464799      | -             | -      | 1   | 50.0      | 17.8 | 10.0 | 5.4          | 350       |
| 464802      | -             | -      | 1   | 55.0      | 22.0 | 14.0 | 6.5          | 250       |
| 464780      | 496749        | -      | 2   | 19.0      | 10.0 | 8.3  | -            | 3000      |
| 464782      | 496750        | 496741 | 2   | 22.0      | 8.5  | 7.8  | -            | 3500      |
| 464786      | 496751        | 496742 | 2   | 30.0      | 11.4 | 11.4 | -            | 1500      |
| 464789      | 496752        | 496743 | 2   | 35.0      | 12.5 | 13.5 | -            | 1000      |
| 464792      | 496753        | 496744 | 2   | 40.0      | 15.2 | 13.5 | -            | 800       |
| 464797      | 496754        | 496745 | 2   | 45.0      | 19.0 | 14.9 | -            | 500       |
| 464800      | 496755        | 496746 | 2   | 50.0      | 18.9 | 15.5 | -            | 350       |
| 464803      | -             | 496747 | 2   | 55.0      | 20.5 | 15.9 | -            | 250       |
| 464805      | -             | -      | 2   | 63.0      | 23.3 | 18.0 | -            | 720       |
| 497400      | -             | 496760 | 2   | 73.0      | 13.5 | 14.0 | -            | 885       |
| 464783      | -             | -      | 3   | 22.0      | 8.5  | 7.8  | -            | 2000      |
| 464787      | -             | -      | 3   | 30.0      | 11.4 | 11.4 | -            | 1000      |
| 464790      | -             | -      | 3   | 35.0      | 12.5 | 11.4 | -            | 700       |
| 464793      | -             | 496758 | 3   | 40.0      | 15.2 | 13.5 | -            | 500       |
| 464794      | -             | -      | 3   | 42.0      | 15.2 | 13.5 | -            | 500       |
| 464798      | -             | -      | 3   | 45.0      | 16.9 | 11.9 | -            | 400       |
| 464801      | -             | -      | 3   | 50.0      | 18.9 | 15.5 | -            | 300       |
| 464804      | -             | -      | 3   | 55.0      | 20.5 | 15.9 | -            | 250       |
| 464806      | -             | -      | 3   | 63.0      | 23.3 | 18.0 | -            | 200       |
| 464795      | -             | -      | 4   | 42.0      | 18.0 | 12.0 | -            | 500       |
| 464807      | -             | -      | 5   | 20.0      | 10.0 | 9.0  | -            | 2000      |
| 464808      | -             | -      | 5   | 30.0      | 15.0 | 12.6 | -            | 1000      |
| 51519       | -             | -      | 6   | 25.4      | 17.5 | 7.9  | -            | 5000      |
| 10153       | -             | -      | 7   | 46.0      | 20.0 | 15.0 | 4.0          | 1500      |

### Saugnäpfe mit Kunststoffhaken

SR 1691

PVC transparent

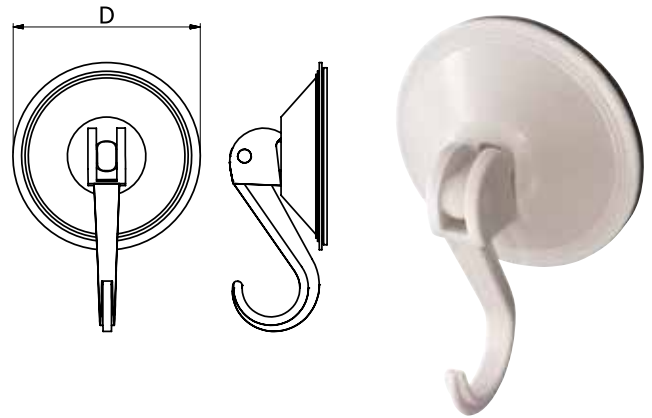


| Artikelnummer | Maße (mm) |      |      | Stück/VPE |
|---------------|-----------|------|------|-----------|
|               | D         | H    | d    |           |
| 492730        | 30.0      | 14.0 | 10.0 | 800       |
| 492731        | 35.0      | 12.5 | 11.4 | 800       |
| 492732        | 40.0      | 16.0 | 10.0 | 500       |
| 492733        | 50.0      | 17.8 | 10.0 | 400       |

### Power Saugnäpfe

SR1691

PP weiß mit PVC-Befestigung



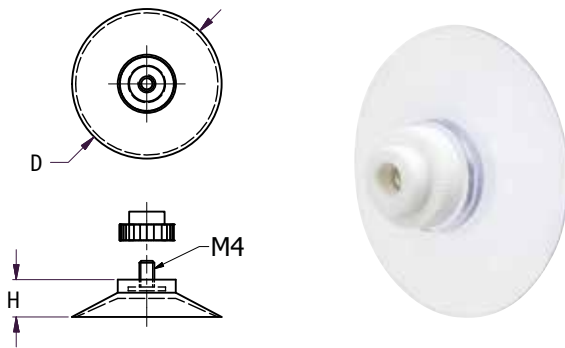
| Artikelnummer | D (mm) | Stück/VPE |
|---------------|--------|-----------|
| 492734        | 45.0   | 500       |
| 492735        | 55.0   | 300       |
| 497401        | 73.0   | 300       |

### Saugnapf mit Gewinde

SR 1691

PVC

- Saugnapf mit Gewinde, hält Drucke sicher fest
- Ideale Befestigung für Drucke an Fenstern und glatten Oberflächen
- Gewinde - M4



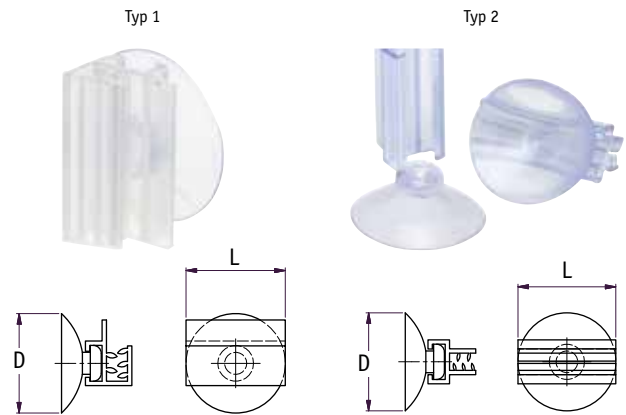
| Artikelnummer | Maße (mm) |      | Stück/VPE |
|---------------|-----------|------|-----------|
|               | D         | H    |           |
| 497235        | 40.0      | 10.0 | 100       |

### Saugnapf mit Etikettbefestigung

SR1874

PVC

- Hält Stärken bis zu 0.5-2 mm
- Typ 1 mit vertikaler Befestigung
- Typ 2 mit horizontaler Befestigung



| Artikelnummer | Typ | Maße (mm) |      | Stück/VPE |
|---------------|-----|-----------|------|-----------|
|               |     | D         | L    |           |
| 496763        | 1   | 25.0      | 25.0 | 100       |
| 496764        | 2   | 25.0      | 25.0 | 200       |



## Ferrit-Scheibenmagnete

### Ferrit



| Artikelnummer | Typ | A (mm) | B (mm) | Zugkraft (kg) | Grad | Stück/VPE |
|---------------|-----|--------|--------|---------------|------|-----------|
| 1219341       | 1   | 14     | 5      | 0.3           | C5   | 100       |
| 1219342       | 1   | 20     | 5      | 0.4           | C5   | 100       |
| 1219343       | 1   | 30     | 5      | 0.6           | C5   | 50        |
| 1219344       | 2   | 20     | 10     | 0.6           | C8   | 10        |

- Aufgrund ihrer hohen Koerzitivkraft eignen sich diese Magnete für unterschiedlichste Anwendungen
- Diese runden Ferritscheiben sind auf einer Seite mit Multipolen magnetisiert
- Sie können in Reedschaltern eingesetzt werden, in Haltegeräten wie Topfmagnete, Sicherheitssystemen, audiovisuellen Systemen und vielen anderen Anwendungen
- Typ 1 - Standard-Scheibenform
- Typ 2 - Ring mit einem Senkloch von 5 mm

## Neodymium-Scheibenmagnete

### N42, NiCuNi beschichtet

- Neodymium-Eisen-Bormagnete bestehen aus einer Legierung, die unter anderem die Elemente Neodymium, Eisen und Bor (NdFeB) enthält. Die NdFeB-Magnete sind die stärksten kommerziell erhältlichen Magnete
- Diese Magnete können mit einem Strukturkleber fixiert werden und bieten durch große Luftlücken eine unglaubliche Leistung
- Sie sind zum maximalen Schutz gegen Korrosion dreifach beschichtet (Nickel Kupfer Nickel)
- Maximale Betriebstemperatur: 100 °C



| Artikelnummer | A (mm) | B (mm) | Zugkraft (kg) | Stück/VPE |
|---------------|--------|--------|---------------|-----------|
| 1219345       | 10     | 1.0    | 0.5           | 20        |
| 1219346       | 10     | 3.0    | 1.6           | 20        |
| 1219347       | 10     | 4.0    | 2.2           | 10        |
| 1219348       | 10     | 5.0    | 2.7           | 10        |
| 1219349       | 12     | 2.0    | 1.3           | 20        |
| 1219350       | 14     | 4.0    | 3.1           | 10        |
| 1219351       | 15     | 1.0    | 0.8           | 20        |
| 1219352       | 15     | 4.0    | 3.3           | 10        |
| 1219353       | 18     | 3.0    | 3.4           | 10        |
| 1219354       | 19     | 5.0    | 6.0           | 4         |
| 1219355       | 20     | 0.5    | 0.45          | 10        |
| 1219356       | 20     | 1.0    | 1.1           | 10        |
| 1219357       | 20     | 2.0    | 2.4           | 10        |
| 1219358       | 20     | 3.0    | 3.6           | 5         |
| 1219359       | 20     | 5.0    | 6.4           | 2         |
| 1219360       | 20     | 10.0   | 11.0          | 2         |
| 1219361       | 22     | 6.0    | 8.5           | 2         |
| 1219362       | 22     | 10.0   | 13.0          | 1         |
| 1219363       | 25     | 10.0   | 15.5          | 1         |
| 1219364       | 40     | 5.0    | 14.0          | 1         |

## Neodymium-Stangenmagnete

### N42, NiCuNi beschichtet

- Neodymium-Eisen-Bormagnete bestehen aus einer Legierung, die unter anderem die Elemente Neodymium, Eisen und Bor (NdFeB) enthält. Die NdFeB-Magnete sind die stärksten kommerziell erhältlichen Magnete
- Diese Magnete können mit einem Strukturkleber fixiert werden und bieten durch große Luftlücken eine unglaubliche Leistung
- Sie sind zum maximalen Schutz gegen Korrosion dreifach beschichtet (Nickel Kupfer Nickel)
- Maximale Betriebstemperatur: 100 °C

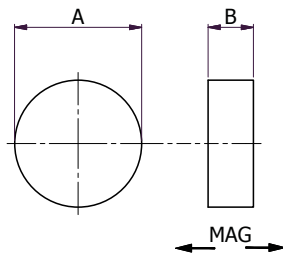


| Artikelnummer | A (mm) | B (mm) | Zugkraft (kg) | Stück/VPE |
|---------------|--------|--------|---------------|-----------|
| 1219365       | 10     | 10     | 3.75          | 5         |
| 1219366       | 10     | 20     | 4.40          | 2         |
| 1219367       | 10     | 30     | 4.80          | 2         |
| 1219368       | 20     | 20     | 16.00         | 2         |
| 1219369       | 3      | 13     | 0.34          | 25        |
| 1219370       | 3      | 20     | 0.40          | 25        |
| 1219371       | 4      | 6      | 0.60          | 50        |
| 1219372       | 5      | 10     | 0.95          | 20        |
| 1219373       | 5      | 20     | 1.00          | 10        |
| 1219374       | 5      | 30     | 1.05          | 5         |
| 1219375       | 6      | 8      | 1.40          | 20        |
| 1219376       | 8      | 20     | 2.70          | 2         |
| 1219377       | 8      | 30     | 2.80          | 2         |

## Selbstklebende Magnete

### N42, NiCuNi beschichtet

- Diese Neodym-Scheibenmagnete mit einer selbstklebenden Rückseite sind zum maximalen Schutz gegen Korrosion dreifach beschichtet (NiCuNi)
- Sie sind auf einer Seite des Magneten mit einem starken Kleber versehen. So kann der Benutzer die Schutzfolie schnell abziehen und den Magneten auf unterschiedlichen Oberflächen anbringen
- Wahlweise mit Nord- oder Südpolarität auf der Klebeseite erhältlich

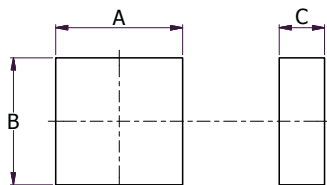


| Artikelnummer | Polarität der Klebeseite | A (mm) | B (mm) | Zugkraft (kg) | Stück/VPE |
|---------------|--------------------------|--------|--------|---------------|-----------|
| 1219378       | Nord                     | 6      | 1      | 0.30          | 25        |
| 1219379       | Süd                      | 6      | 1      | 0.30          | 25        |
| 1219380       | Nord                     | 8      | 1      | 0.40          | 25        |
| 1219381       | Süd                      | 8      | 1      | 0.40          | 25        |
| 1219382       | Nord                     | 10     | 1      | 0.50          | 20        |
| 1219383       | Süd                      | 10     | 1      | 0.50          | 20        |
| 1219384       | Nord                     | 12     | 1      | 0.65          | 20        |
| 1219385       | Süd                      | 12     | 1      | 0.65          | 20        |
| 1219386       | Nord                     | 15     | 1      | 0.80          | 20        |
| 1219387       | Süd                      | 15     | 1      | 0.80          | 20        |
| 1219388       | Nord                     | 8      | 2      | 0.80          | 25        |
| 1219389       | Süd                      | 8      | 2      | 0.80          | 25        |
| 1219390       | Nord                     | 10     | 2      | 1.00          | 20        |
| 1219391       | Süd                      | 10     | 2      | 1.00          | 20        |

## Rechteckige Magnete

### N42, NiCuNi beschichtet

- Neodym-Magnete sind die stärksten kommerziell erhältlichen Magnete
- Neodym-Magnete üben sehr starke Kraft aus und können einander über sehr große Entfernungen anziehen, wodurch sie für eine Reihe von Anwendungen beliebt sind, einschließlich Windkraft, Elektromotoren, Verpackung, wissenschaftliche Experimente, Design und Display
- Sie weisen auch eine immense und unschlagbare Beständigkeit gegen Entmagnetisierung auf und eignen sich somit ideal sowohl für Anwendungen mit Rückstoß als auch mit Anziehung
- Die Magnete sind zum maximalen Schutz gegen Korrosion dreifach beschichtet (NiCuNi)

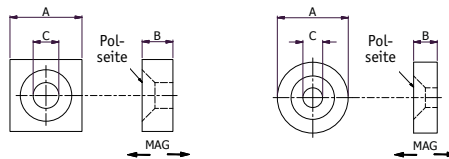


| Artikelnummer | B (mm) | A (mm) | C (mm) | Zugkraft (kg) | Stück/VPE |
|---------------|--------|--------|--------|---------------|-----------|
| 1219392       | 3      | 3      | 3.0    | 0.7           | 25        |
| 1219393       | 5      | 5      | 2.0    | 0.7           | 25        |
| 1219394       | 5      | 5      | 5.0    | 1.6           | 25        |
| 1219395       | 5      | 10     | 2.0    | 1.0           | 25        |
| 1219396       | 10     | 10     | 5.0    | 3.6           | 10        |
| 1219397       | 15     | 5      | 1.0    | 0.6           | 10        |
| 1219398       | 15     | 15     | 8.0    | 8.5           | 4         |
| 1219399       | 20     | 6      | 1.5    | 1.2           | 10        |
| 1219400       | 20     | 10     | 5.0    | 5.1           | 5         |
| 1219401       | 25     | 5      | 5.0    | 4.1           | 5         |
| 1219402       | 25     | 10     | 3.0    | 3.4           | 5         |
| 1219403       | 25     | 10     | 5.0    | 5.5           | 5         |
| 1219404       | 40     | 20     | 10.0   | 19.9          | 1         |
| 1219405       | 42     | 8      | 10.0   | 13.0          | 2         |
| 1219406       | 50     | 12     | 25.4   | 42.8          | 1         |
| 1219407       | 50     | 25     | 2.0    | 4.9           | 2         |
| 1219408       | 50     | 25     | 10.0   | 24.8          | 1         |
| 1219409       | 50     | 50     | 5.0    | 18.1          | 1         |
| 1219410       | 50     | 50     | 25.0   | 88.5          | 1         |
| 1219411       | 100    | 20     | 4.0    | 12.9          | 1         |
| 1219412       | 100    | 50     | 10.0   | 49.7          | 1         |

## Magnete mit Senkbohrung

### N42, NiCuNi beschichtet

- Diese Magnete mit Senkbohrung sind extrem vielseitig, und der leistungsstarke Neodymmagnet wird mühelos mit einer einfachen Senkschraube befestigt
- Sie sind zum maximalen Schutz gegen Korrosion dreifach beschichtet (NiCuNi)



- Maximale Betriebstemperatur 100 °C
- Diese Magnete sind mit nördlich und südlich ausgerichteter Polarität erhältlich
- Typ 1 ist eine runde Scheibe
- Typ 2 ist quadratisch mit einer Seitenlänge von 10 mm

| Artikelnummer | Typ | Seitenpolarität | A (mm) | B (mm) | Breite der Senkbohrung (mm) | Zugkraft (kg) | Stück/VPE |
|---------------|-----|-----------------|--------|--------|-----------------------------|---------------|-----------|
| 1219413       | 1   | Nord            | 10     | 5      | 3.2                         | 2.1           | 10        |
| 1219414       | 1   | Süd             | 10     | 5      | 3.2                         | 2.1           | 10        |
| 1219415       | 2   | Nord            | -      | 5      | 5.0                         | 2.4           | 10        |
| 1219416       | 2   | Süd             | -      | 5      | 5.0                         | 2.4           | 10        |
| 1219417       | 1   | Nord            | 20     | 2      | 3.0                         | 2.2           | 5         |
| 1219418       | 1   | Süd             | 20     | 2      | 3.0                         | 2.2           | 5         |
| 1219419       | 1   | Nord            | 20     | 5      | 5.0                         | 4.7           | 2         |
| 1219420       | 1   | Süd             | 20     | 5      | 5.0                         | 4.7           | 2         |
| 1219421       | 1   | Nord            | 20     | 10     | 6.0                         | 9.4           | 1         |
| 1219422       | 1   | Süd             | 20     | 10     | 6.0                         | 9.4           | 1         |
| 1219423       | 1   | Nord            | 23     | 20     | 6.0                         | 23.2          | 1         |
| 1219424       | 1   | Süd             | 23     | 20     | 6.0                         | 23.2          | 1         |
| 1219425       | 1   | Nord            | 25     | 5      | 6.0                         | 6.0           | 1         |
| 1219426       | 1   | Süd             | 25     | 5      | 6.0                         | 6.0           | 1         |

## Neodym-Topfmagnete

### N38, verchromt

- Neodym-Topfmagnete kombinieren die Leistung von Neodymmagneten mit der Stabilität eines Gehäuses aus Baustahl
- Sie sind außergewöhnlich leistungsfähig
- Magnete des Typ 1 haben an der Rückseite ein M4-Gewindeloch zur Befestigung und werden mit einem abnehmbaren Stahlhaken geliefert
- Magnete des Typ 2 haben ein M5-Gewindeloch und werden ohne Haken geliefert
- Maximale Betriebstemperatur: 100 °C

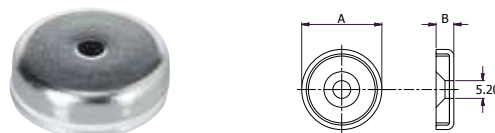


| Artikelnummer | Typ | A (mm) | B (mm) | Zugkraft (kg) | Stück/VPE |
|---------------|-----|--------|--------|---------------|-----------|
| 1219427       | 1   | 15.0   | 15     | 13.7          | 1         |
| 1219428       | 2   | 18.9   | 8      | 9.2           | 1         |
| 1219429       | 1   | 20.0   | 16     | 19.6          | 1         |
| 1219430       | 2   | 25.0   | 8      | 12.0          | 1         |
| 1219431       | 2   | 32.0   | 8      | 15.4          | 1         |

## Flache Ferrittopfmagnete

### Ferrit C5

- Diese Magnete sind kostengünstige Ferritmagnete, die zwecks hoher Korrosionsbeständigkeit und Widerstandsfähigkeit verchromt sind
- Die Topfmagnete haben eine Senkbohrung auf der vorderen (Magnet-) Seite und können mit einer M5-Senkschraube einfach befestigt werden
- Sie eignen sich ideal für Befestigungen wie POS-Displays, Ausstellungen, Marketing-Displays, Türen und die Befestigung von Leuchten
- Sie sind mit Durchmessern von 25 mm mit einer Zugkraft von 3,5 kg bis 40 mm mit einer Zugkraft von 9 kg erhältlich
- Maximale Betriebstemperatur 180 °C
- Alle Befestigungsbohrungen sind 5,2 mm mit einer Absenkung

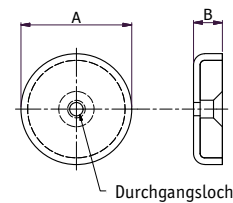


| Artikelnummer | A (mm) | B (mm) | Zugkraft (kg) | Stück/VPE |
|---------------|--------|--------|---------------|-----------|
| 1219432       | 25     | 7      | 3.5           | 4         |
| 1219433       | 32     | 7      | 7.0           | 4         |
| 1219434       | 40     | 8      | 9.0           | 4         |

## Flache Topfmagnete

### Alnico 5

- Diese flachen Topfmagnete haben eine niedrige Bauform für Anwendungen mit begrenzter Höhe
- Sie haben ein Durchgangsloch und ein Senkloch auf der Magnetseite für eine Senkschraube
- Flache Topfmagnete können ohne Leistungseinbuße auf Stahloberflächen befestigt oder in diese eingesenkt werden
- Maximale Betriebstemperatur: 500 °C
- Material des Magneten: Alnico 5

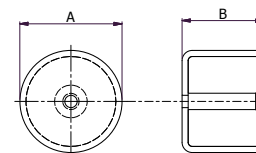


| Artikelnummer | A (mm) | B (mm) | Zugkraft (kg) | Stück/VPE |
|---------------|--------|--------|---------------|-----------|
| 1219435       | 19     | 7.5    | 3             | 1         |
| 1219436       | 29     | 9.0    | 5             | 1         |
| 1219437       | 38     | 10.0   | 13            | 1         |

## Hohe Topfmagnete

### Alnico 5

- Hohe Topfmagnete haben eine Außenhülle aus Stahl mit einem Gewindeloch auf der Rückseite und einer stark magnetischen Vorderseite
- Sie sind ideal zum Einsetzen in Vorrichtungen und Werkzeugen
- Sie bieten starke Haltekraft bei dicken Teilen und bieten einen guten Oberflächenabschluss
- Maximale Betriebstemperatur: 220 °C



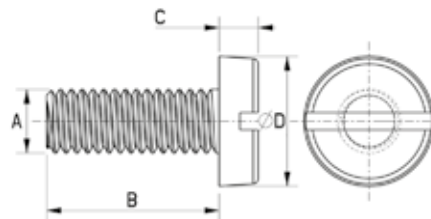
| Artikelnummer | A (mm) | B (mm) | Zugkraft (kg) | Gewindebohrung | Stück/VPE |
|---------------|--------|--------|---------------|----------------|-----------|
| 1219438       | 9.5    | 15     | 1.0           | M3             | 1         |
| 1219439       | 12.7   | 16     | 2.0           | M3             | 1         |
| 1219440       | 17.5   | 16     | 2.5           | M6             | 1         |
| 1219441       | 20.5   | 19     | 4.0           | M6             | 1         |
| 1219442       | 27.0   | 25     | 6.0           | M6             | 1         |
| 1219443       | 35.0   | 30     | 14.0          | M6             | 1         |

## Zylinderkopfschraube aus Metall

SR5713

Baustahl oder Edelstahl

- Oberfläche: Metall, Zink
- Universalbefestigungen gemäß DIN 85 oder ISO 1580



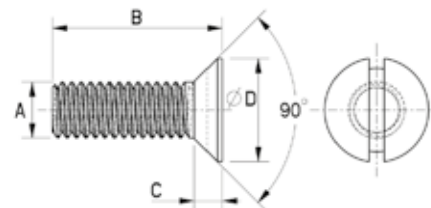
| Artikelnummer | Maße (mm) |    |     |    | Stück/VPE |
|---------------|-----------|----|-----|----|-----------|
|               | A         | B  | C   | D  |           |
| 050030640952  | M3        | 6  | 1.8 | 6  | 500       |
| 050030840952  | M3        | 8  | 1.8 | 6  | 500       |
| 050031040952  | M3        | 10 | 1.8 | 6  | 500       |
| 050031240952  | M3        | 12 | 1.8 | 6  | 500       |
| 050031640952  | M3        | 16 | 1.8 | 6  | 500       |
| 050032040952  | M3        | 20 | 1.8 | 6  | 250       |
| 050040640952  | M4        | 6  | 2.4 | 8  | 250       |
| 050040840952  | M4        | 8  | 2.4 | 8  | 250       |
| 050041040952  | M4        | 10 | 2.4 | 8  | 250       |
| 050041240952  | M4        | 12 | 2.4 | 8  | 250       |
| 050041640952  | M4        | 16 | 2.4 | 8  | 250       |
| 050042040952  | M4        | 20 | 2.4 | 8  | 250       |
| 050042540952  | M4        | 25 | 2.4 | 8  | 250       |
| 050043040952  | M4        | 30 | 2.4 | 8  | 100       |
| 050051040952  | M5        | 10 | 3   | 10 | 250       |
| 050051640952  | M5        | 16 | 3   | 10 | 250       |
| 050052040952  | M5        | 20 | 3   | 10 | 250       |
| 050053040952  | M5        | 30 | 3   | 10 | 50        |
| 050054040952  | M5        | 40 | 3   | 10 | 50        |
| 050061640952  | M6        | 16 | 3.6 | 12 | 100       |
| 050062040952  | M6        | 20 | 3.6 | 12 | 100       |
| 050063040952  | M6        | 30 | 3.6 | 12 | 50        |
| 050064040952  | M6        | 40 | 3.6 | 12 | 50        |

## Senkkopfschraube aus Metall

SR5715

Baustahl oder Edelstahl

- Universalbefestigung aus Baustahl oder Edelstahl
- Oberfläche: Metall, Zink
- Entspricht den Normen DIN 963, ISO 2009 (für Metall)



| Artikelnummer | Maße (mm) |    |     |     | Stück/VPE |
|---------------|-----------|----|-----|-----|-----------|
|               | A         | B  | C   | D   |           |
| 080030640952  | M3        | 6  | 1.6 | 5.6 | 500       |
| 080030840952  | M3        | 8  | 1.6 | 5.6 | 500       |
| 080031040952  | M3        | 10 | 1.6 | 5.6 | 500       |
| 080031240952  | M3        | 12 | 1.6 | 5.6 | 500       |
| 080031640952  | M3        | 16 | 1.6 | 5.6 | 500       |
| 080032040952  | M3        | 20 | 1.6 | 5.6 | 500       |
| 080040640952  | M4        | 6  | 2.2 | 7.5 | 500       |
| 080040840952  | M4        | 8  | 2.2 | 7.5 | 500       |
| 080041040952  | M4        | 10 | 2.2 | 7.5 | 500       |
| 080041240952  | M4        | 12 | 2.2 | 7.5 | 500       |
| 080041640952  | M4        | 16 | 2.2 | 7.5 | 500       |
| 080042040952  | M4        | 20 | 2.2 | 7.5 | 500       |
| 080051040952  | M5        | 10 | 2.5 | 9.2 | 250       |
| 080051240952  | M5        | 12 | 2.5 | 9.2 | 250       |
| 080051640952  | M5        | 16 | 2.5 | 9.2 | 250       |
| 080052040952  | M5        | 20 | 2.5 | 9.2 | 250       |

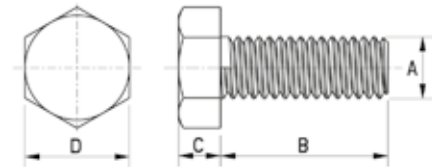
## Sechskantschraube aus Metall

SR 5714

**Baustahl oder Edelstahl**

- Universalbefestigung aus Baustahl oder Edelstahl
- Oberfläche: Metall, Zink
- Entspricht den Normen DIN 933, ISO 4017 (für Metall)

| Artikelnummer | Maße (mm) |    |     |     | Stück/<br>VPE |
|---------------|-----------|----|-----|-----|---------------|
|               | A         | B  | C   | D   |               |
| 079030640952  | M3        | 6  | 2   | 5.5 | 250           |
| 079030840952  | M3        | 8  | 2   | 5.5 | 250           |
| 079031240952  | M3        | 12 | 2   | 5.5 | 250           |
| 079031640952  | M3        | 16 | 2   | 5.5 | 250           |
| 079032540952  | M3        | 25 | 2   | 5.5 | 100           |
| 079040640952  | M4        | 6  | 2.8 | 7   | 250           |
| 079040840952  | M4        | 8  | 2.8 | 7   | 250           |
| 079041040952  | M4        | 10 | 2.8 | 7   | 250           |
| 079041240952  | M4        | 12 | 2.8 | 7   | 250           |
| 079041640952  | M4        | 16 | 2.8 | 7   | 250           |
| 079042040952  | M4        | 20 | 2.8 | 7   | 250           |
| 079044040952  | M4        | 40 | 2.8 | 7   | 100           |
| 079051040952  | M5        | 10 | 3.5 | 8   | 250           |
| 079053040952  | M5        | 30 | 3.5 | 8   | 100           |
| 079054040952  | M5        | 40 | 3.5 | 8   | 50            |
| 079061640952  | M6        | 16 | 4   | 10  | 250           |
| 079062040952  | M6        | 20 | 4   | 10  | 100           |
| 079064040952  | M6        | 30 | 4   | 10  | 50            |
| 079065040952  | M6        | 50 | 4   | 10  | 50            |



## Metall-Zylinderkopfschraube mit Innensechskant

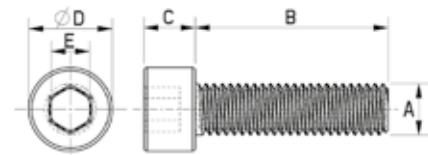
SR 5716

**Baustahl oder Edelstahl**

- Edelstahl oder Baustahl (M4 - M5)
- Oberfläche: Metall, Zink
- Entspricht DIN912, NF E25-125, ISO 4762



| Artikelnummer | Maße (mm) |    |   |     |   | Stück/<br>VPE |
|---------------|-----------|----|---|-----|---|---------------|
|               | A         | B  | C | D   | E |               |
| 340040640952  | M4        | 6  | 4 | 7   | 3 | 100           |
| 340041040952  | M4        | 10 | 4 | 7   | 3 | 100           |
| 340041240952  | M4        | 12 | 4 | 7   | 3 | 100           |
| 340041640952  | M4        | 16 | 4 | 7   | 3 | 100           |
| 340042040952  | M4        | 20 | 4 | 7   | 3 | 100           |
| 340042540952  | M4        | 25 | 4 | 7   | 3 | 100           |
| 340050840952  | M5        | 8  | 5 | 8.5 | 4 | 100           |
| 340051240952  | M5        | 12 | 5 | 8.5 | 4 | 100           |
| 340052040952  | M5        | 20 | 5 | 8.5 | 4 | 100           |
| 340052540952  | M5        | 25 | 5 | 8.5 | 4 | 100           |
| 340053040952  | M5        | 30 | 5 | 8.5 | 4 | 100           |

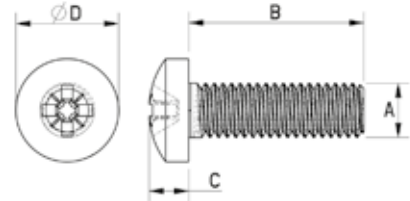


## Metall-Linsenschraube mit Kreuzschlitz

SR 5718

Edelstahl oder Baustahl

- Edelstahl oder Baustahl (M3 - M5)
- Oberfläche: Metall, Zink
- Entspricht DIN7985, ISO 7045



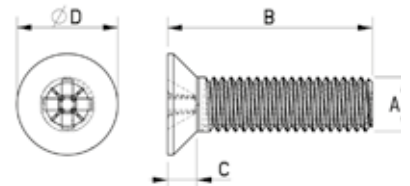
| Artikelnummer | Maße (mm) |    |     |     | Stück/VPE |
|---------------|-----------|----|-----|-----|-----------|
|               | A         | B  | C   | D   |           |
| 342030640952  | M3        | 6  | 2.4 | 5.6 | 500       |
| 342030840952  | M3        | 8  | 2.4 | 5.6 | 500       |
| 342031040952  | M3        | 10 | 2.4 | 5.6 | 500       |
| 342031240952  | M3        | 12 | 2.4 | 5.6 | 500       |
| 342031640952  | M3        | 16 | 2.4 | 5.6 | 500       |
| 342032040952  | M3        | 20 | 2.4 | 5.6 | 500       |
| 342040640952  | M4        | 6  | 3.1 | 8   | 500       |
| 342040840952  | M4        | 8  | 3.1 | 8   | 500       |
| 342041040952  | M4        | 10 | 3.1 | 8   | 500       |
| 342041240952  | M4        | 12 | 3.1 | 8   | 500       |
| 342041640952  | M4        | 16 | 3.1 | 8   | 500       |
| 342042040952  | M4        | 20 | 3.1 | 8   | 250       |
| 342042540952  | M4        | 25 | 3.1 | 8   | 250       |
| 342050840952  | M5        | 8  | 3.7 | 9.5 | 250       |
| 342051040952  | M5        | 10 | 3.7 | 9.5 | 250       |
| 342051240952  | M5        | 12 | 3.7 | 9.5 | 250       |
| 342051640952  | M5        | 16 | 3.7 | 9.5 | 250       |
| 342052040952  | M5        | 20 | 3.7 | 9.5 | 250       |
| 342053040952  | M5        | 30 | 3.7 | 9.5 | 250       |

## Metall-Senkschraube mit Kreuzschlitz

SR 5717

Edelstahl oder Baustahl

- Oberfläche: Metall, Zink
- Entspricht DIN965, ISO 7046



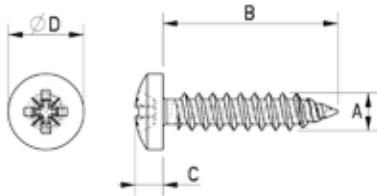
| Artikelnummer | Maße (mm) |    |     |     | Stück/VPE |
|---------------|-----------|----|-----|-----|-----------|
|               | A         | B  | C   | D   |           |
| 341030640952  | M3        | 6  | 1.7 | 5.6 | 500       |
| 341030840952  | M3        | 8  | 1.7 | 5.6 | 500       |
| 341031040952  | M3        | 10 | 1.7 | 5.6 | 500       |
| 341031240952  | M3        | 12 | 1.7 | 5.6 | 500       |
| 341031640952  | M3        | 16 | 1.7 | 5.6 | 500       |
| 341032040952  | M3        | 20 | 1.7 | 5.6 | 500       |
| 341040840952  | M4        | 8  | 2.2 | 7.5 | 500       |
| 341041040952  | M4        | 10 | 2.2 | 7.5 | 500       |
| 341041240952  | M4        | 12 | 2.2 | 7.5 | 500       |
| 341041640952  | M4        | 16 | 2.2 | 7.5 | 500       |
| 341042040952  | M4        | 20 | 2.2 | 7.5 | 500       |
| 341042540952  | M4        | 25 | 2.2 | 7.5 | 500       |
| 341051040952  | M5        | 10 | 2.5 | 9.2 | 250       |
| 341051240952  | M5        | 12 | 2.5 | 9.2 | 250       |
| 341051640952  | M5        | 16 | 2.5 | 9.2 | 250       |
| 341052040952  | M5        | 20 | 2.5 | 9.2 | 250       |
| 341052540952  | M5        | 25 | 2.5 | 9.2 | 250       |

## Linsenblechschraube aus Metall

SR 5719

Baustahl oder Edelstahl

- Oberfläche: Zink
- Entspricht DIN7981, ISO7049



| Artikelnummer | Maße (mm) |     |     |     | Stück/<br>VPE |
|---------------|-----------|-----|-----|-----|---------------|
|               | A         | B   | C   | D   |               |
| 343290740952  | 2.9       | 6.5 | 2.2 | 5.6 | 500           |
| 343291040952  | 2.9       | 9.5 | 2.2 | 5.6 | 500           |
| 343291340952  | 2.9       | 13  | 2.2 | 5.6 | 500           |
| 343291640952  | 2.9       | 16  | 2.2 | 5.6 | 500           |
| 343291940952  | 2.9       | 19  | 2.2 | 5.6 | 500           |
| 343292540952  | 2.9       | 25  | 2.2 | 5.6 | 500           |
| 343350740952  | 3.5       | 6.5 | 2.6 | 6.9 | 500           |
| 343351040952  | 3.5       | 9.5 | 2.6 | 6.9 | 500           |
| 343351340952  | 3.5       | 13  | 2.6 | 6.9 | 500           |
| 343351640952  | 3.5       | 16  | 2.6 | 6.9 | 500           |
| 343351940952  | 3.5       | 19  | 2.6 | 6.9 | 500           |
| 343352540952  | 3.5       | 25  | 2.6 | 6.9 | 500           |

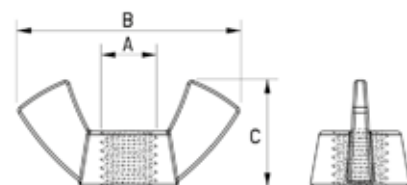
| Artikelnummer | Maße (mm) |     |      |     | Stück/<br>VPE |
|---------------|-----------|-----|------|-----|---------------|
|               | A         | B   | C    | D   |               |
| 343421040952  | 4.2       | 9.5 | 3.05 | 8.2 | 500           |
| 343421340952  | 4.2       | 13  | 3.1  | 8.2 | 500           |
| 343421640952  | 4.2       | 16  | 3.1  | 8.2 | 500           |
| 343421940952  | 4.2       | 19  | 3.1  | 8.2 | 500           |
| 343422540952  | 4.2       | 25  | 3.1  | 8.2 | 500           |
| 343423240952  | 4.2       | 32  | 3.1  | 8.2 | 500           |
| 343481040952  | 4.8       | 9.5 | 3.6  | 9.5 | 250           |
| 343481340952  | 4.8       | 13  | 3.6  | 9.5 | 250           |
| 343481640952  | 4.8       | 16  | 3.6  | 9.5 | 250           |
| 343481940952  | 4.8       | 19  | 3.6  | 9.5 | 250           |
| 343482540952  | 4.8       | 25  | 3.6  | 9.5 | 250           |
| 343483840952  | 4.8       | 38  | 3.6  | 9.5 | 250           |

## Flügelmutter aus Metall

SR 5737

Baustahl

- Oberfläche: Zink
- Universalbefestigungen gemäß DIN oder ISO



| Artikelnummer | Maße (mm) |      |      | Stück/<br>VPE |
|---------------|-----------|------|------|---------------|
|               | A         | B    | C    |               |
| 053030140952  | M3        | 17.6 | 8.6  | 50            |
| 053040140952  | M4        | 17.6 | 8.6  | 50            |
| 053050140952  | M5        | 22.5 | 11   | 50            |
| 053060140952  | M6        | 27.8 | 13.6 | 50            |
| 053080140952  | M8        | 30.3 | 14.8 | 50            |



# DIES SIND NUR EINIGE UNSERER **NEUEN** **PRODUKTE**

## AUTOMATISIERUNG UND STEUERUNG

Seite 330-343



## GRIFFE, KNÖPFE UND NORMTEILE

Seite 526-599



## KABELMANAGEMENT

Seite 276-329



## SCHLÖSSER

Seite 344-487



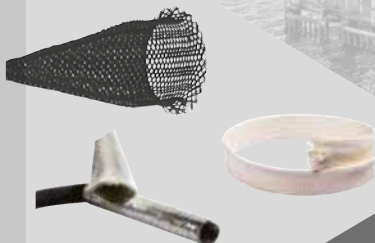
## INDUSTRIEROLLEN

Seite 600-651



## HYDRAULIK UND PNEUMATIK

Seite 62-83



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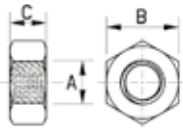
## Metallmutter

SR 5735

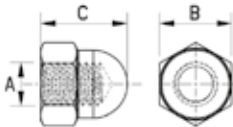
**Baustahl oder Edelstahl**

- Oberfläche: Metall, Zink
- Universalbefestigungen gemäß DIN oder ISO

Typ 1



Typ 2



| Artikelnummer | Maße (mm) |     |     | Typ | Stück/VPE |
|---------------|-----------|-----|-----|-----|-----------|
|               | A         | B   | C   |     |           |
| 051030040952  | M3        | 5.5 | 2.4 | 1   | 1000      |
| 051040040952  | M4        | 7   | 3.2 | 1   | 1000      |
| 051050040952  | M5        | 8   | 4   | 1   | 1000      |
| 051060040952  | M6        | 10  | 5   | 1   | 250       |
| 051080040952  | M8        | 13  | 6.5 | 1   | 250       |

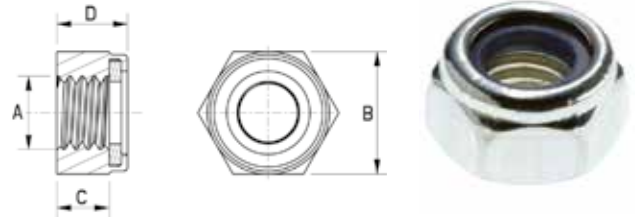
| Artikelnummer | Maße (mm) |     |     | Typ | Stück/VPE |
|---------------|-----------|-----|-----|-----|-----------|
|               | A         | B   | C   |     |           |
| 052030140952  | M3        | 5.5 | 5.1 | 2   | 50        |
| 052040040952  | M4        | 7   | 8   | 2   | 50        |
| 052050040952  | M5        | 8   | 10  | 2   | 50        |
| 052060040952  | M6        | 10  | 12  | 2   | 50        |
| 052080040952  | M8        | 13  | 15  | 2   | 10        |

## Selbstsichernde Mutter aus Metall, DIN 985

SR 5736

**Baustahl oder Edelstahl**

- Oberfläche: Metall, Zink
- Verhindert das Lösen
- Hervorragende Anti-Vibrationseigenschaften
- Entspricht DIN 985, ISO 10511



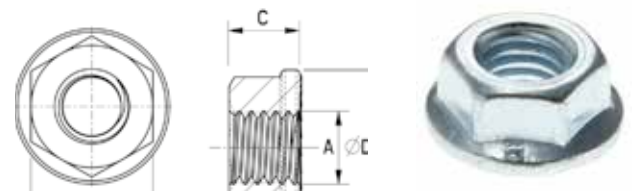
| Artikelnummer | Maße (mm) |     |     |   | Stück/VPE |
|---------------|-----------|-----|-----|---|-----------|
|               | A         | B   | C   | D |           |
| 348030040952  | M 3       | 5.5 | 2.4 | 4 | 500       |
| 348040040952  | M 4       | 7   | 2.9 | 5 | 500       |
| 348050040952  | M 5       | 8   | 3.2 | 5 | 500       |
| 348060040952  | M 6       | 10  | 4   | 6 | 500       |

## Flanschmutter aus Metall gemäß DIN 6923

SR5736

**Baustahl**

- Oberfläche: Zink
- Angekerbte Basis für größere Auflagefläche
- Beschränkt das Lösen
- Entspricht DIN 6923, ISO 4161



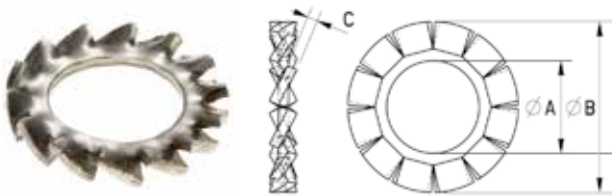
| Artikelnummer | Maße (mm) |     |     |      | Stück/VPE |
|---------------|-----------|-----|-----|------|-----------|
|               | A         | B   | C   | D    |           |
| 349030040952  | M 3       | 5.5 | 4   | 8    | 500       |
| 349040040952  | M 4       | 7   | 4.6 | 10   | 500       |
| 349050040952  | M 5       | 8   | 5   | 10.8 | 500       |
| 349060040952  | M 6       | 10  | 6   | 13.3 | 500       |

## Sicherungsscheibe aus Metall

SR 5738

**Baustahl oder Edelstahl**

- Oberfläche: Metall oder Zink
- Zur Sicherung von Schrauben, Bolzen und Muttern entwickelt
- Verhindert das Lösen von PCB-Distanzstücken bei Vibrationen



| Artikelnummer | Maße (mm) |     |     | Stück/VPE |
|---------------|-----------|-----|-----|-----------|
|               | A         | B   | C   |           |
| 344030040952  | 3.1       | 6   | 0.4 | 1000      |
| 344040040952  | 4.1       | 8   | 0.5 | 1000      |
| 344050040952  | 5.1       | 9.2 | 0.6 | 1000      |
| 344060040952  | 6.1       | 11  | 0.7 | 500       |
| 344080040952  | 8.2       | 14  | 0.8 | 250       |

## Flache Unterlegscheibe aus Metall - DIN 125

SR 5738

**Baustahl oder Edelstahl**

- Oberfläche: Metall oder Zink
- Gemäß DIN 125, ISO 7089



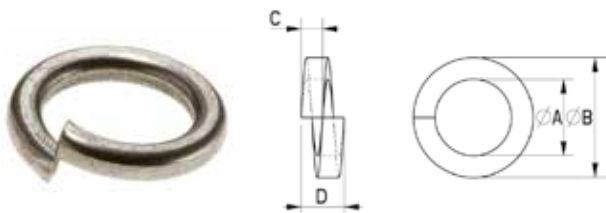
| Artikelnummer | Maße (mm) |      |     | Stück/VPE |
|---------------|-----------|------|-----|-----------|
|               | A         | B    | C   |           |
| 346030040952  | 3.2       | 7    | 0.5 | 1000      |
| 346040040952  | 4.3       | 9    | 0.8 | 1000      |
| 346050040952  | 5.3       | 10   | 1   | 1000      |
| 346060040952  | 6.4       | 12.5 | 1.6 | 1000      |
| 346080040952  | 8.4       | 17   | 1.6 | 1000      |

## Federring aus Metall

SR 5738

**Baustahl oder Edelstahl**

- Oberfläche: Metall oder Zink
- Verhindert das Lösen
- Entspricht DIN 7980



| Artikelnummer | Maße (mm) |      |     |     | Stück/VPE |
|---------------|-----------|------|-----|-----|-----------|
|               | A         | B    | C   | D   |           |
| 345030040952  | 3.1       | 5.6  | 1.0 | 2.0 | 1000      |
| 345040040952  | 4.1       | 7    | 1.2 | 2.4 | 1000      |
| 345050040952  | 5.1       | 8.8  | 1.6 | 3.2 | 1000      |
| 345060040952  | 6.1       | 9.9  | 1.6 | 3.2 | 1000      |
| 345080040952  | 8.1       | 12.7 | 2.0 | 4.0 | 1000      |

## Flache Unterlegscheibe aus Metall - DIN 9021

SR 5738

**Baustahl oder Edelstahl**

- Oberfläche: Metall oder Zink
- Bessere Verteilung der Klemmkraft
- Entspricht DIN 9021, ISO 7093



| Artikelnummer | Maße (mm) |    |     | Stück/VPE |
|---------------|-----------|----|-----|-----------|
|               | A         | B  | C   |           |
| 347030040952  | 3.2       | 9  | 0.8 | 1000      |
| 347040040952  | 4.3       | 12 | 1.0 | 1000      |
| 347050040952  | 5.3       | 15 | 1.2 | 1000      |
| 347060040952  | 6.4       | 18 | 1.6 | 1000      |

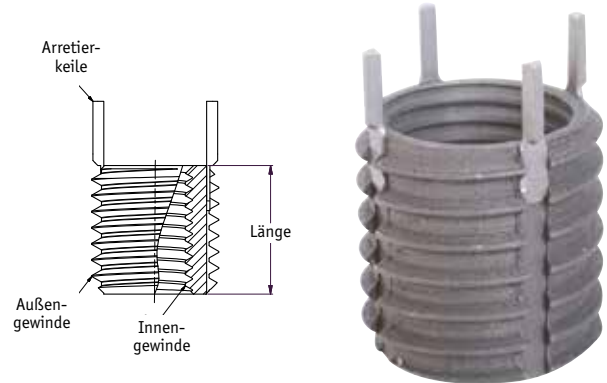
## Gewindeeinsätze mit Arretierkeilen

P200535

Stahl: C1215, phosphatiert

Edelstahl: 303, passiviert

- Schnelle Reparatur von ausgerissenen, beschädigten oder verschlissenen Gewinden
- Einfache Installation mit Standardbohrern und Gewindeschneidern
- Sobald die Arretierkeile nach unten gedrückt sind, ist der Einsatz fest gespannt und dreht sich nicht mehr
- Innengewinde entsprechen Klasse 2B
- Außengewinde entsprechen Klasse 2A
- Einsätze mit einem Innengewinde der Größe M7 oder größer haben vier Arretierkeile
- Kleinere Größen haben zwei Arretierkeile
- Die massiven Einsätze ermöglichen es Ihnen, Gewinde neu zu positionieren oder zu große Löcher zu füllen



### Einbauanleitung:

**Schritt 1:** Bohren Sie ein Loch für die vollständige Gewindetiefe, wie in der Beschreibung dargestellt. Beachten Sie, dass der Gewindebohrer übergroß ist.

**Schritt 2:** Kernloch gemäß Spezifikationen in der Tabelle ansenken.

**Schritt 3:** Bohren Sie das Loch gemäß den Spezifikationen in der Tabelle.

**Schritt 4:** Schrauben Sie den Einsatz (manuell) bis 0,25-0,75 mm unter der Oberfläche ein.

**Schritt 5:** Treiben Sie die Arretierkeile mit dem Installationswerkzeug nach unten.

### Daten zur Einbauanleitung

| Einsatz<br>Außengewinde Klasse 6g<br>Durchm. Gewindesteigung | Einbaudaten       |                             |                         | Ausbaudaten |       |
|--|-------------------|-----------------------------|-------------------------|-------------|-------|
|  | Größe des Bohrers | Senkbohrung Durchm. (+0,25) | Gewindebohrer Klasse 6H | Bohrer      |       |
|  |                   |                             |                         | Größe       | Tiefe |
| M8 x 1.25  | 6.90              | 8.25                        | M8 x 1.25               | 5.50        | 4.00  |
| M10 x 1.25   | 8.80              | 10.25                       | M10 x 1.25              | 7.50        | 4.75  |
| M12 x 1.25   | 10.80             | 12.25                       | M12 x 1.25              | 9.50        | 4.75  |
| M14 x 1.5  | 12.80             | 14.25                       | M14 x 1.5               | 11.50       | 4.75  |
| M16 x 1.5  | 14.75             | 16.25                       | M16 x 1.5               | 13.50       | 4.75  |
| M18 x 1.5  | 16.75             | 18.25                       | M18 x 1.5               | 15.50       | 4.75  |
| M20 x 1.5  | 18.75             | 20.25                       | M20 x 1.5               | 17.50       | 4.75  |
| M22 x 1.5  | 20.50             | 22.25                       | M22 x 1.5               | 17.75       | 6.35  |
| M24 x 1.5  | 22.50             | 24.25                       | M24 x 1.5               | 19.75       | 6.35  |
| M30 x 2.0  | 28.00             | 30.25                       | M30 x 2.0               | 25.75       | 6.35  |
| M32 x 2.0  | 30.00             | 32.25                       | M32 x 2.0               | 27.75       | 6.35  |
| M33 x 2.0  | 31.00             | 33.25                       | M33 x 2.0               | 28.75       | 6.35  |

### Dünnwand

| Artikelnummer |           | Innen-gewinde | Außen-gewinde | Länge (mm) | Min. Gewinde-tiefe (mm) | Stück/VPE | Entsprechendes Installationswerkzeug Artikelnummer |
|---------------|-----------|---------------|---------------|------------|-------------------------|-----------|--|
| Stahl         | Edelstahl |               |               |            |                         |           |  |
| KLI-65951     | KLI-66351 | M5 x 0.80     | M8 x 1.25     | 8          | 9.5                     | 1         | KLI-64751  |
| KLI-65952     | KLI-66352 | M6 x 1.00     | M10 x 1.25    | 10         | 11.5                    | 1         | KLI-64752  |
| KLI-65953     | KLI-66353 | M8 x 1.25     | M12 x 1.25    | 12         | 13.5                    | 1         | KLI-64753  |
| KLI-66153     | KLI-66553 | M8 x 1.00     | M12 x 1.25    | 12         | 13.5                    | 1         | KLI-64753  |
| KLI-65955     | KLI-66355 | M10 x 1.50    | M14 x 1.50    | 14         | 15.5                    | 1         | KLI-64755  |
| KLI-66155     | -         | M10 x 1.25    | M14 x 1.50    | 14         | 15.5                    | 1         | KLI-64755  |
| KLI-65956     | KLI-66356 | M12 x 1.75    | M16 x 1.50    | 16         | 17.5                    | 1         | KLI-64756  |

### Vollkörper

| Artikelnummer |           | Innen-gewinde | Außen-gewinde | Länge (mm) | Min. Gewinde-tiefe (mm) | Stück/VPE | Entsprechendes Installationswerkzeug Artikelnummer |
|---------------|-----------|---------------|---------------|------------|-------------------------|-----------|--|
| Stahl         | Edelstahl |               |               |            |                         |           |  |
| KLI-66023     | -         | -             | M12 x 1.25    | 12         | 14.5                    | 1         | KLI-64823  |
| KLI-66026     | -         | -             | M18 x 1.50    | 18         | 20.5                    | 1         | KLI-64826  |

### Hoch belastbar

| Artikelnummer |           | Innen-gewinde | Außen-gewinde | Länge (mm) | Min. Gewinde-tiefe (mm) | Stück/VPE | Entsprechendes Installationswerkzeug Artikelnummer |
|---------------|-----------|---------------|---------------|------------|-------------------------|-----------|--|
| Stahl         | Edelstahl |               |               |            |                         |           |  |
| KLI-65963     | KLI-66363 | M4 x 0.70     | M8 x 1.25     | 8          | 9.5                     | 1         | KLI-64763  |
| KLI-65964     | KLI-66364 | M5 x 0.80     | M10 x 1.25    | 10         | 12.5                    | 1         | KLI-64764  |
| KLI-65965     | KLI-66365 | M6 x 1.00     | M12 x 1.25    | 12         | 14.5                    | 1         | KLI-64765  |
| KLI-65966     | KLI-66366 | M8 x 1.25     | M14 x 1.50    | 14         | 16.5                    | 1         | KLI-64766  |
| KLI-66166     | -         | M8 x 1.00     | M14 x 1.50    | 14         | 16.5                    | 1         | KLI-64766  |
| KLI-65967     | KLI-66367 | M10 x 1.50    | M16 x 1.50    | 16         | 18.5                    | 1         | KLI-64767  |
| KLI-66171     | -         | M10 x 1.25    | M16 x 1.50    | 16         | 18.5                    | 1         | KLI-64767  |
| KLI-65969     | KLI-66369 | M12 x 1.75    | M18 x 1.50    | 18         | 20.5                    | 1         | KLI-64769  |
| KLI-66169     | -         | M12 x 1.25    | M18 x 1.50    | 18         | 20.5                    | 1         | KLI-64769  |
| KLI-65970     | -         | M14 x 2.00    | M20 x 1.50    | 20         | 22.5                    | 1         | KLI-64770  |
| KLI-66170     | -         | M14 x 1.50    | M20 x 1.50    | 20         | 22.5                    | 1         | KLI-64770  |
| KLI-66971     | KLI-66371 | M16 x 2.00    | M22 x 1.50    | 22         | 24.5                    | 1         | KLI-64771  |
| KLI-66171     | -         | M16 x 1.50    | M22 x 1.50    | 22         | 24.5                    | 1         | KLI-64771  |
| KLI-66172     | -         | M18 x 1.50    | M24 x 1.50    | 24         | 26.5                    | 1         | KLI-64772  |
| KLI-65973     | -         | M20 x 2.50    | M30 x 2.00    | 30         | 34.5                    | 1         | KLI-64773  |
| KLI-66173     | -         | M20 x 1.50    | M30 x 2.00    | 30         | 34.5                    | 1         | KLI-64773  |
| KLI-66174     | -         | M22 x 1.50    | M32 x 2.00    | 32         | 36.5                    | 1         | KLI-64774  |
| KLI-65975     | -         | M24 x 3.00    | M33 x 2.00    | 33         | 37.5                    | 1         | KLI-64775  |

## Werkzeuge zur Gewindereparatur

P200550



- Schnelle Reparatur beschädigter Bolzen
- Durch Drehen des Griffs werden die Gleitklingen um einen Bolzen geöffnet und geschlossen
- Durch Drehen des Werkzeugs um einen Bolzen herum werden beschädigte Gewinde schnell repariert
- Kann auf unterschiedliche Durchmesser, Zoll oder metrisch, eingestellt werden
- Die Klingen passen sich der Gewindesteigung bzw. den Rillen automatisch an
- Kann auf Rechts- oder Linksgewinden verwendet werden
- Ersatzklingen sind erhältlich

| Artikelnummer | Bezeichnung   | Stück/VPE |
|---------------|---|-----------|
| NES-2         | Reparaturwerkzeug für extrakleine Gewinde (4-18 mm) | 1         |
| NES-3         | Reparaturwerkzeug für kleine Gewinde (6-19 mm)      | 1         |
| NES-1R        | Ersatzklingen für NES-2                             | 2         |
| NES-2R        | Ersatzklingen für NES-3                             | 2         |



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# AUSWAHLHILFE

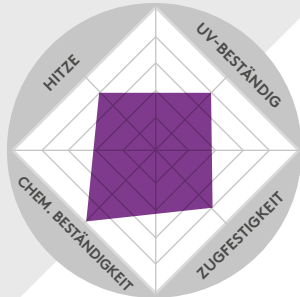
## BEFESTIGUNGSMATERIALIEN

Bevor Sie eine Befestigung wählen können, müssen Sie die Eigenschaften des Materials kennen, aus dem sie besteht. Mit unserer praktischen Anleitung erfahren Sie, welches Material für die aktuelle Aufgabe geeignet ist.

### PEEK

POLYETHER-ETHER-KETON

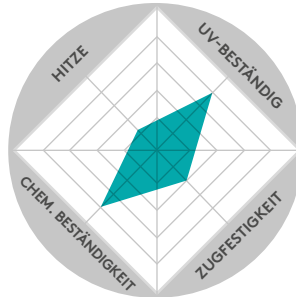
🔥 180C/356F 🔥 UL94-V-O ⚡ 16 kV/mm



### PVC

POLYVINYLCHLORID

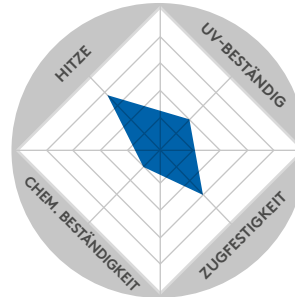
🔥 35C/95F



### POM

POLYCETAL

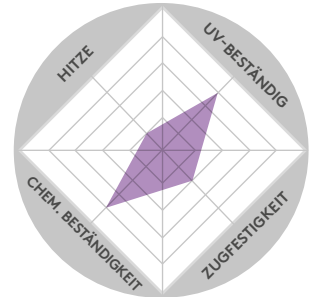
🔥 95C/203F 🔥 UL94-HB ⚡ 35 kV/mm



### PP

POLYPROPYLEN

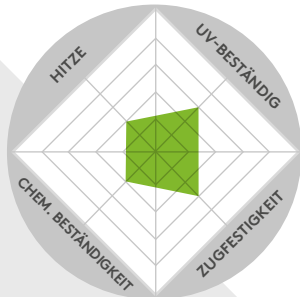
🔥 65C/149F 🔥 UL94-HB ⚡ 30 kV/mm



### PC

POLYCARBONAT

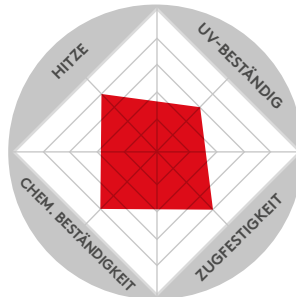
🔥 115C/239F 🔥 UL 94-V-2 ⚡ 17 kV/mm



### PPS

POLYPHENYLENSULFID

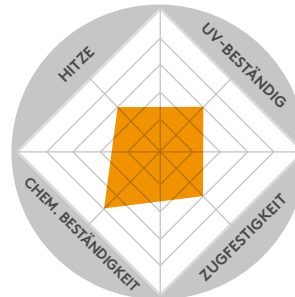
🔥 200C/392F 🔥 UL94-V-O ⚡ 15kV/mm



### PVDF

POLYVINYLIDENFLUORID

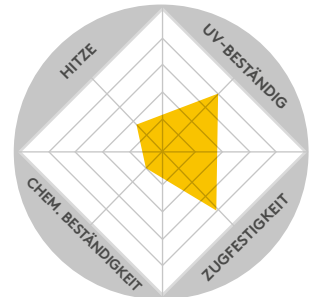
🔥 150C/302F 🔥 UL94-V-O ⚡ 21 kV/mm



### PA

POLYAMID

🔥 65C/149F 🔥 UL94-V2



🔥 ENTFLAMMBARKEIT 🔥 BETRIEBSTEMPERATUR ⚡ SPANNUNGSFESTIGKEIT

\* Die obengenannten Messwerte sind nur Anhaltswerte und können je nach Materialgrad variieren. Um genaue Messwerte für spezifische Teile zu erhalten, fordern Sie bitte die Materialdatenblätter an.

| Material     | Temperaturbeständigkeit | Zugfestigkeit | Mechanische Beständigkeit | Stoßfestigkeit | UV-Beständigkeit | Säure-/ Laugenbeständigkeit | Witterungsbeständigkeit | Hitzebeständigkeit | Flammbeständigkeit |
|--------------|-------------------------|---------------|---------------------------|----------------|------------------|-----------------------------|-------------------------|--------------------|--------------------|
| Nylon        | Gut                     | Gut           | Gut                       | Schlecht       | Schlecht         | Schlecht                    | Schlecht                | Schlecht           | Schlecht           |
| PP           | Gut                     | Schlecht      | Schlecht                  | Schlecht       | Schlecht         | Gut                         | Schlecht                | Schlecht           | Schlecht           |
| PVDF         | Gut                     | Schlecht      | Gut                       | Schlecht       | Gut              | Gut                         | Gut                     | Gut                | Gut                |
| Polycarbonat | Schlecht                | Gut           | Schlecht                  | Gut            | Gut              | Schlecht                    | Gut                     | Gut                | Schlecht           |
| POM          | Schlecht                | Schlecht      | Gut                       | Schlecht       | Schlecht         | Schlecht                    | Schlecht                | Gut                | Schlecht           |
| TPE          | Schlecht                | Schlecht      | Schlecht                  | Schlecht       | Schlecht         | Schlecht                    | Schlecht                | Schlecht           | Schlecht           |
| PEEK         | Gut                     | Gut           | Gut                       | Gut            | Schlecht         | Gut                         | Gut                     | Gut                | Gut                |