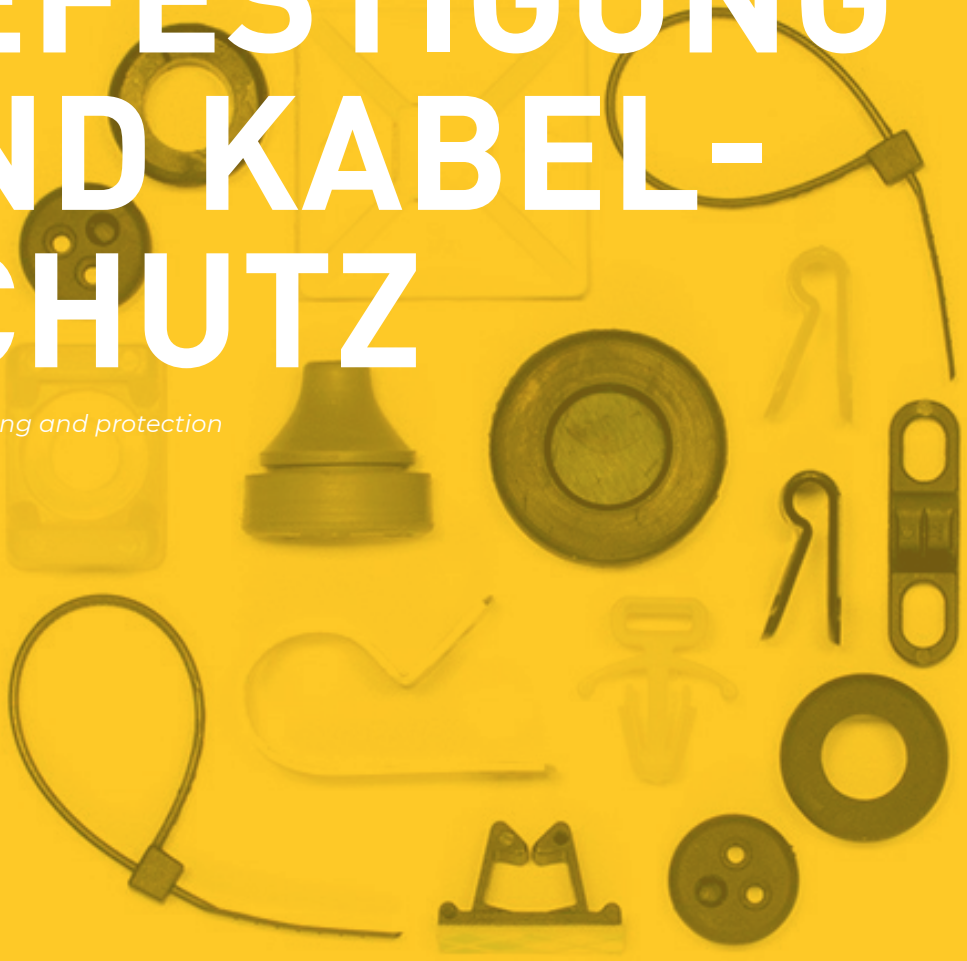
# KABEL-BEFESTIGUNG UND KABEL-SCHUTZ

*Cable fastening and protection*



KB


| | |
|---|---|
| Kabelbinder *Cable ties* | KB 02 |
| Kabelbinder-Montagesockel *Cable tie mounts* | KB 12 |
| Kabel-Schutzschlauch *Cable protection sleeves* | KB 16 |
| Kabelzugentlaster *Cable strain reliefs* | KB 17 |
| Knickschutztüllen *Kink protection sleeves* | KB 27 |
| Durchführungstüllen IP67 / IP68 *Grommets IP67 / IP68* | KB 28 |
| Durchführungstüllen *Grommets* | KB 31 |
| Membrantüllen *Membrane grommets* | KB 48 |
| Kabelhalter *Cable holders and clamps* | KB 53 |
| Kantenschutz *Edge protection* | KB 64 |

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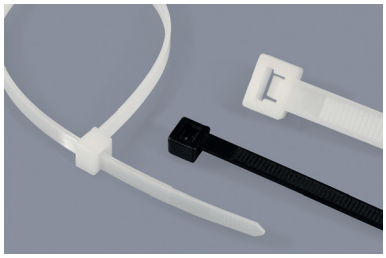
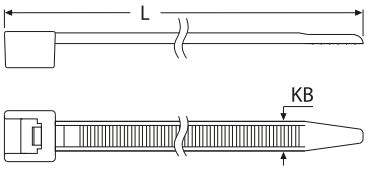
KB



Kabelbinder, Standard

*Standard cable ties*




**Standard-Material:**

PA UL-94 V-2 □ natur
-40°C bis +75°C

PA UL-94 V-2 ■ schwarz
-40°C bis +75°C UV

**Eigenschaften:**

· halogenfrei
· nach DIN EN 62275

**Chemische Beständigkeit:**

| | |
|---|---|
| ++ | Öle, Fette, aromatische Lösemittel |
| + | Laugen |
| o | Säuren |
| - | phenol- und chlorhaltige Lösemittel |

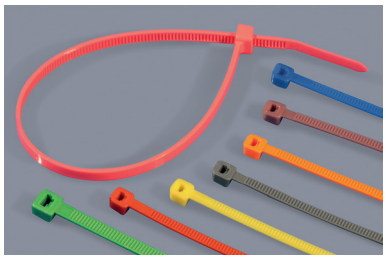
**Material auf Anfrage:**

· hitzebeständige Kabelbinder
· selbstverlöschende Kabelbinder (UL-94 V-0)
· farbige Kabelbinder

| Art.-Nr. natur | Art.-Nr. schwarz | Artikel-Bez. Maße (KB x L) | KB | L | Zug.* kg | MOQ / VPE Stück |
|---|---|---|---|---|---|---|
| 00850 | 04277 | KB 2,2 x 85 mm | 2,2 | 85 | 6 | 10.000 |
| 00851 | 01601 | KB 2,5 x 98 mm | 2,5 | 98 | 8 | 1.000 |
| 01196 | 02412 | KB 2,5 x 135 mm | 2,5 | 135 | 8 | 1.000 |
| 01197 | 04279 | KB 2,6 x 160 mm | 2,6 | 160 | 8 | 1.000 |
| 00853 | 01614 | KB 2,6 x 200 mm | 2,6 | 200 | 8 | 1.000 |
| 01198 | 02457 | KB 3,6 x 140 mm | 3,6 | 140 | 13 | 1.000 |
| 01199 | 02310 | KB 3,6 x 200 mm | 3,6 | 200 | 13 | 100 |
| 02919 | 02918 | KB 3,6 x 290 mm | 3,6 | 290 | 13 | 100 |
| 03468 | 03469 | KB 3,6 x 370 mm | 3,6 | 370 | 13 | 100 |
| 01873 | 02566 | KB 4,5 x 160 mm | 4,5 | 160 | 22 | 100 |
| 01377 | 00908 | KB 4,8 x 178 mm | 4,8 | 178 | 22 | 100 |
| 02458 | 02295 | KB 4,8 x 200 mm | 4,8 | 200 | 22 | 100 |
| 04270 | 04281 | KB 4,8 x 250 mm | 4,8 | 250 | 22 | 100 |
| 01378 | 03453 | KB 4,8 x 290 mm | 4,8 | 290 | 22 | 100 |
| 01874 | 01186 | KB 4,8 x 360 mm | 4,8 | 360 | 22 | 100 |
| 02565 | 04282 | KB 4,8 x 430 mm | 4,8 | 430 | 22 | 100 |
| 04272 | 04284 | KB 7,8 x 180 mm | 7,8 | 180 | 55 | 100 |
| 02000 | 02311 | KB 7,8 x 240 mm | 7,8 | 240 | 55 | 100 |
| 04273 | 04285 | KB 7,8 x 300 mm | 7,8 | 300 | 55 | 100 |
| 02001 | 04286 | KB 7,8 x 365 mm | 7,8 | 365 | 55 | 100 |
| 04274 | 04287 | KB 7,8 x 450 mm | 7,8 | 450 | 55 | 100 |
| 04275 | 01439 | KB 7,8 x 540 mm | 7,8 | 540 | 55 | 100 |
| 02095 | 02096 | KB 7,8 x 750 mm | 7,8 | 750 | 55 | 100 |
| 04276 | 04288 | KB 9,0 x 780 mm | 9,0 | 780 | 71 | 100 |
| 06821 | 09023 | KB 12,5 x 225 mm | 12,5 | 225 | 110 | 100 |
| 06822 | 09024 | KB 12,5 x 500 mm | 12,5 | 500 | 110 | 50 |
| 06823 | 07986 | KB 12,5 x 720 mm | 12,5 | 720 | 110 | 50 |
| 06824 | 09025 | KB 12,5 x 850 mm | 12,5 | 850 | 110 | 50 |
| 06825 | 09026 | KB 12,5 x 1000 mm | 12,5 | 1000 | 110 | 50 |

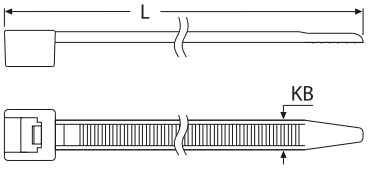
**Zugfestigkeit · Unit: mm · weitere Farben a. A.*

KB



Kabelbinder, farbig

*Colored cable ties*




| Art.-Nr. rot | Art.-Nr. gelb | Art.-Nr. grün | Art.-Nr. blau | Artikel-Bez. Maße (KB x L)) | Zug.* kg | MOQ / VPE Stück |
|---|---|---|---|---|---|---|
| 18613 | 18610 | 24783 | 18612 | KB 2,5 x 98 mm | 8 | 1.000 |
| 11733 | 11729 | 11731 | 11730 | KB 3,6 x 140 mm | 13 | 1.000 |
| 11738 | 11734 | 11736 | 11735 | KB 3,6 x 200 mm | 13 | 1.000 |
| 16521 | 16519 | 16520 | 16518 | KB 4,8 x 200 mm | 22 | 100 |
| 16525 | 16523 | 16524 | 16522 | KB 4,8 x 290 mm | 22 | 100 |

**Zugfestigkeit · weitere Farben, Materialien und Abmessungen a. A. · Unit: mm*

**Standard-Material:**

| | | | | |
|---|---|---|---|---|
| PA | UL-94 V-2 | rot | (RAL3000) | -40°C bis +75°C |
| PA | UL-94 V-2 | gelb | (RAL1021) | -40°C bis +75°C |
| PA | UL-94 V-2 | grün | (RAL6032) | -40°C bis +75°C |
| PA | UL-94 V-2 | blau | (RAL5010) | -40°C bis +75°C |

**Eigenschaften:**

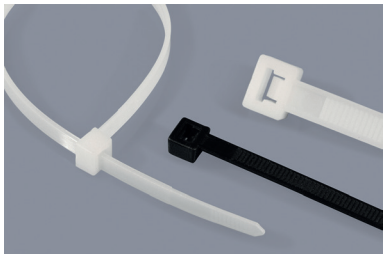
· halogenfrei
· nach DIN EN 62275

**Chemische Beständigkeit:**

| | |
|---|---|
| ++ | Öle, Fette, aromatische Lösemittel |
| + | Laugen |
| o | Säuren |
| - | phenol- und chlorhaltige Lösemittel |

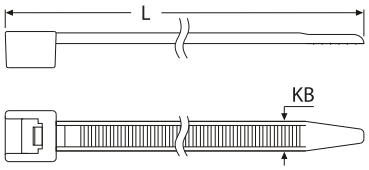
UV = UV-beständig *UV-resistant*
HT = Hitzebeständig *Heat-resistant*
V-0 = Schwer entflammbar *Flame-resistant*

## KB ... HT125



Kabelbinder, hitzebeständig

*Heat-resistant cable ties*




| Art.-Nr. natur | Artikel-Bez. Maße (KB x L) | Zug.* kg | Farbe |
|---|---|---|---|
| 21443 | KB 2,5 x 98 NHT125 | 8 | ☐ |
| 21444 | KB 3,6 x 140 NHT125 | 13 | ☐ |
| 21445 | KB 3,6 x 200 NHT125 | 13 | ☐ |
| 21446 | KB 4,8 x 200 NHT125 | 22 | ☐ |
| 21447 | KB 4,8 x 290 NHT125 | 22 | ☐ |
| 21448 | KB 7,8 x 365 NHT125 | 55 | ☐ |

| Art.-Nr. schwarz | Artikel-Bez. Maße (KB x L) | Zug.* kg | Farbe |
|---|---|---|---|
| 21449 | KB 2,5 x 98 SHT125 | 8 | ■ |
| 21450 | KB 3,6 x 140 SHT125 | 13 | ■ |
| 21451 | KB 3,6 x 200 SHT125 | 13 | ■ |
| 21452 | KB 4,8 x 200 SHT125 | 22 | ■ |
| 21453 | KB 4,8 x 290 SHT125 | 22 | ■ |
| 21454 | KB 7,8 x 365 SHT125 | 55 | ■ |

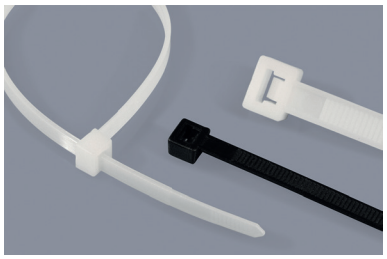
**Zugfestigkeit · Unit: mm · MOQ 100/1.000x*

**Standard-Material:** PA UL-94 V-2 ☐ natur -40°C bis +125°C HT
PA UL-94 V-2 ■ schwarz -40°C bis +125°C HT UV

**Eigenschaften:**
· halogenfrei
· nach DIN EN 62275

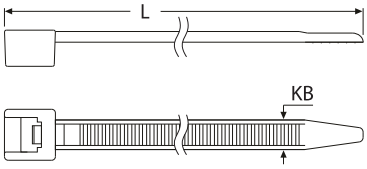
**Chemische Beständigkeit:**
++ Öle, Fette, aromatische Lösemittel
+ Laugen
o Säuren
- phenol- und chlorhaltige Lösemittel

## KB ... V0



Kabelbinder, selbstverlöschend

*Self-extinguishing cable ties*




| Art.-Nr. natur | Artikel-Bez. Maße (KB x L) | KB | L | Zug.* kg | MOQ / VPE Stück | Farbe |
|---|---|---|---|---|---|---|
| 29090 | KB 2,5 x 98 NV0 | 2,5 | 98 | 8 | 100 | ☐ |
| 29092 | KB 3,6 x 200 NV0 | 3,6 | 200 | 13 | 100 | ☐ |
| 29094 | KB 4,8 x 290 NV0 | 4,8 | 290 | 22 | 100 | ☐ |

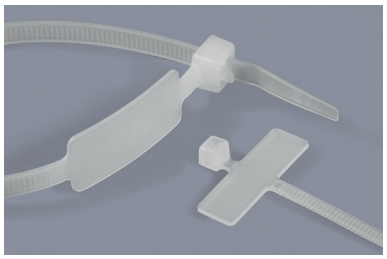
**Zugfestigkeit · Unit: mm*

**Standard-Material:** PA UL-94 V-0 ☐ natur -40°C bis +75°C V-0

**Eigenschaften:**
· halogenfrei
· nach DIN EN 62275

**Chemische Beständigkeit:**
++ Öle, Fette, aromatische Lösemittel
+ Laugen
o Säuren
- phenol- und chlorhaltige Lösemittel

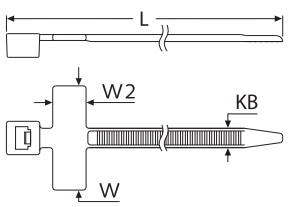
## KBF



Kabelbinder, mit Beschriftungsfeld

*Cable ties with ID/labeling plate*

Typ A

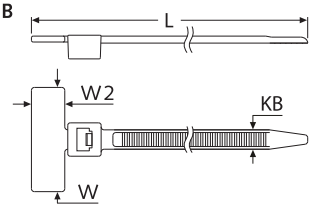



| Art.-Nr. natur | Artikel-Bez. Maße (KB x L) | Typ | W | W2 | Zug.* kg | MOQ / VPE Stück | Farbe |
|---|---|---|---|---|---|---|---|
| 02816 | KBF 2,5 x 100 mm | A | 25,4 | 8,0 | 8 | 500 | ☐ |
| 02817 | KBF 2,5 x 200 mm | A | 25,4 | 8,0 | 8 | 100 | ☐ |
| 07695 | KBF 2,5 x 110 mm | B | 20,4 | 9,1 | 8 | 500 | ☐ |
| 07696 | KBF 2,5 x 210 mm | B | 20,4 | 9,1 | 8 | 100 | ☐ |
| 02815 | KBF 4,8 x 200 mm | C | 13,0 | 28,0 | 22 | 100 | ☐ |
| 07697 | KBF 4,8 x 270 mm | C | 13,0 | 28,0 | 22 | 100 | ☐ |

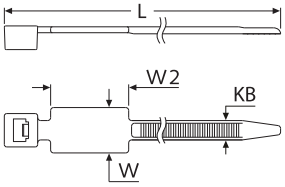
**Zugfestigkeit · Unit: mm*

**Standard-Material:** PA UL-94 V-2 ☐ natur -40°C bis +75°C

Typ B




Typ C

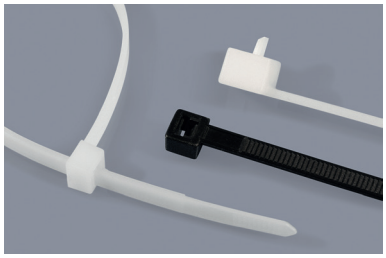



**Eigenschaften:**
· halogenfrei

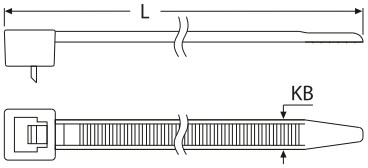
**Chemische Beständigkeit:**
++ Öle, Fette, aromatische Lösemittel
+ Laugen
o Säuren
- phenol- und chlorhaltige Lösemittel

UV = UV-beständig *UV-resistant*
HT = Hitzebeständig *Heat-resistant*
V-0 = Schwer entflammbar *Flame-resistant*

## KBL



Kabelbinder, lösbar,
mit Innenverzahnung
*Removable cable ties, inside serrated*




| Art.-Nr. natur | Art.-Nr. schwarz | Artikel-Bez. Maße (KB x L) | KB | L | Zug.* kg | MOQ / VPE Stück |
|---|---|---|---|---|---|---|
| 05162 | - | KBL 4,8 x 152 mm | 4,8 | 152 | 22 | 1.000 |
| 05163 | - | KBL 4,8 x 203 mm | 4,8 | 203 | 22 | 1.000 |
| 09372 | - | KBL 4,8 x 300 mm | 4,8 | 300 | 22 | 1.000 |
| 27053 | 27054 | KBL 7,5 x 200 mm | 7,5 | 200 | 22 | 100 |
| 27055 | 27056 | KBL 7,5 x 250 mm | 7,5 | 250 | 22 | 100 |
| 27057 | 27058 | KBL 7,5 x 350 mm | 7,5 | 350 | 22 | 100 |

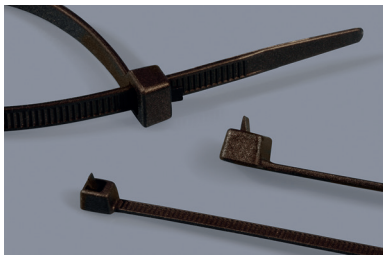
**Zugfestigkeit · Unit: mm*

**Standard-Material:** PA UL-94 V-2 ☐ natur -40°C bis +75°C
PA UL-94 V-2 ■ schwarz -40°C bis +75°C UV

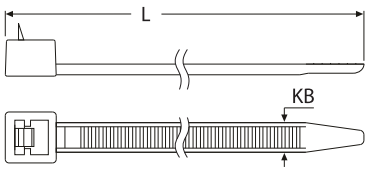
**Eigenschaften:**
· halogenfrei

**Chemische Beständigkeit:**
++ Öle, Fette, aromatische Lösemittel
+ Laugen
o Säuren
- phenol- und chlorhaltige Lösemittel

## KBL ... S UV HT



Kabelbinder, lösbar,
mit Außenverzahnung
*Removable cable ties, outside serrated*




| Art.-Nr. schwarz | Artikel-Bez. Maße (KB x L) | Zug.* kg | Farbe |
|---|---|---|---|
| 09360 | KBL 2,6 x 110 S UV HT | 8 | ■ |
| 09361 | KBL 4,7 x 125 S UV HT | 22 | ■ |
| 09362 | KBL 4,7 x 160 S UV HT | 22 | ■ |
| 09363 | KBL 4,7 x 185 S UV HT | 22 | ■ |
| 09364 | KBL 4,7 x 300 S UV HT | 22 | ■ |
| 09365 | KBL 4,7 x 370 S UV HT | 22 | ■ |

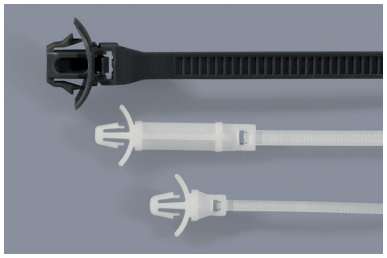
| Art.-Nr. schwarz | Artikel-Bez. Maße (KB x L) | Zug.* kg | Farbe |
|---|---|---|---|
| 09366 | KBL 7,6 x 210 S UV HT | 53 | ■ |
| 09367 | KBL 7,6 x 300 S UV HT | 53 | ■ |
| 09368 | KBL 7,6 x 370 S UV HT | 53 | ■ |
| 09369 | KBL 9,0 x 175 S UV HT | 79 | ■ |
| 09370 | KBL 9,0 x 260 S UV HT | 79 | ■ |
| 09371 | KBL 9,0 x 360 S UV HT | 79 | ■ |

**Zugfestigkeit · Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +110°C HT UV

UV = UV-beständig *UV-resistant*
HT = Hitzebeständig *Heat-resistant*
V-0 = Schwer entflammbar *Flame-resistant*

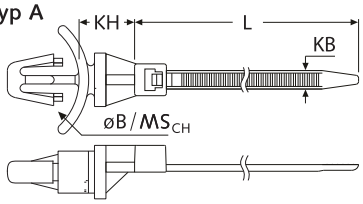
## KBA + KBAL



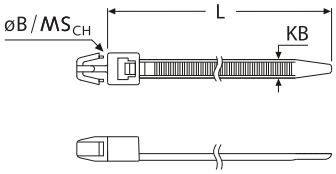
Kabelbinder, mit Spreizanker

*Cable ties with push-mount*

Typ A




Typ B



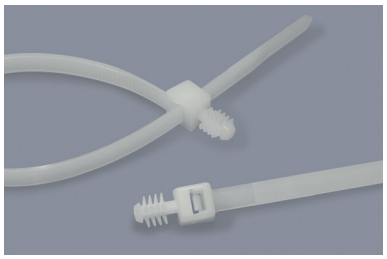

| Art.-Nr. | Artikel-Bez. Maße (KB x L) | $B_{CH}$ Ø | $MS_{CH}$ | KH | Typ | Zug.* kg | MOQ / VPE Stück | Farbe |
|---|---|---|---|---|---|---|---|---|
| 19023 | KBA 2,5 x 109 N | 4,8 | 1,6 | - | A | 8 | 1.000 | ☐ |
| 05984 | KBA 2,5 x 115 N 064 B | 4,0 | 0,8-2,0 | 6,4 | A | 8 | 500 | ☐ |
| 00877 | KBA 2,5 x 115 N 064 A | 4,8 | 0,8-2,0 | 6,4 | A | 8 | 500 | ☐ |
| 05987 | KBA 2,5 x 115 N 064 C | 4,8 | 1,6-3,6 | 6,4 | A | 8 | 500 | ☐ |
| 05760 | KBA 3,5 x 123 N | 3,9 | 1,0-2,5 | - | A | 18 | 1.000 | ☐ |
| 19321 | KBA 3,5 x 150 N-C | 5,2 | 2,7 | - | B | 13 | 100 | ☐ |
| 19322 | KBA 4,5 x 200 N-C | 6,3 | 3,0 | - | B | 22 | 500 | ☐ |
| 19026 | KBA 4,8 x 190 N | 6,4 | 1,6 | - | A | 22 | 500 | ☐ |
| 05983 | KBA 4,8 x 214 N | 4,8 | 2,4 | - | B | 22 | 500 | ☐ |
| NEW 43870[1] | KBAL 7,4 x 130 N[1] | 6,5 | 0,8-1,8 | - | A | 40 | 250 | ☐ |
| 24924[1] | KBAL 7,4 x 130 S[1] | 6,5 | 0,8-1,8 | - | A | 40 | 250 | ■ |
| 24918[1] | KBAL 7,8 x 150 N[1] | 6,0 | 0,8-1,5 | - | A | 40 | 100 | ☐ |
| 24919[1] | KBAL 7,8 x 150 S[1] | 6,0 | 0,8-1,5 | - | A | 40 | 100 | ■ |
| 24922[1] | KBAL 7,8 x 230 N[1] | 6,0 | 0,8-1,5 | - | A | 40 | 100 | ☐ |
| 24923[1] | KBAL 7,8 x 230 S[1] | 6,0 | 0,8-1,5 | - | A | 40 | 100 | ■ |

**Zugfestigkeit · [1]Kabelbinder lösbar · weitere Ausführungen a. A. · Unit: mm*

**Standard-Material:**

| | | | | |
|---|---|---|---|---|
| PA | UL-94 V-2 | ☐ natur | -40°C bis +75°C | |
| PA | UL-94 V-2 | ■ schwarz | -40°C bis +75°C | |

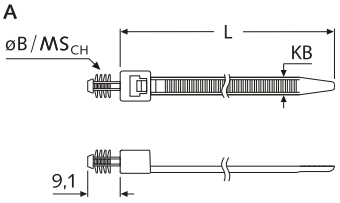
## KBB



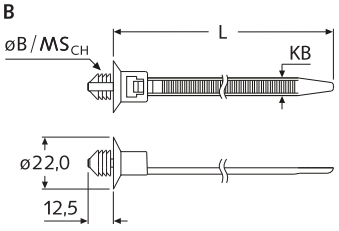
Kabelbinder, für Blindlochmontage

*Cable ties for blind-hole assembly*

Typ A




Typ B




| Art.-Nr. | Artikel-Bez. Maße (KB x L) | $B_{CH}$ Ø | $MS_{CH}$ | Typ | Zug.* kg | MOQ / VPE Stück | Farbe |
|---|---|---|---|---|---|---|---|
| 29151 | KBB 4,8 x 190 N | 6,4 | min. 6,4 | A | 22 | 500 | ☐ |
| 29152 | KBB 4,8 x 190 S | 6,4 | min. 6,4 | A | 22 | 500 | ■ |
| NEW 52740 | KBB 5,1 x 158 S | 6,2-6,4 | 0,8-7,0 | B | 22 | 1000 | ■ |

**Zugfestigkeit · weitere Ausführungen a. A. · Unit: mm*

**Standard-Material:**

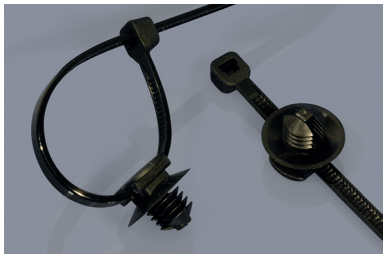
| | | | | | |
|---|---|---|---|---|---|
| Typ A: | PA | UL-94 V-2 | ☐ natur | -40°C bis +75°C | |
| | PA | UL-94 V-2 | ■ schwarz | -40°C bis +125°C | HT |
| Typ B: | PA | UL-94 V-2 | ■ schwarz | -40°C bis +75°C | |

UV = UV-beständig *UV-resistant*

HT = Hitzebeständig *Heat-resistant*

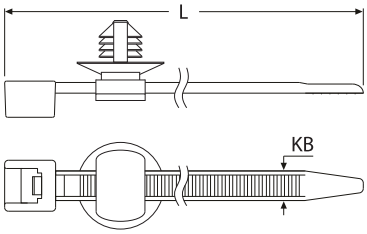
V-0 = Schwer entflammbar *Flame-resistant*

## KBM



Kabelbinder, inkl. Sockel

*Cable ties with included mount*

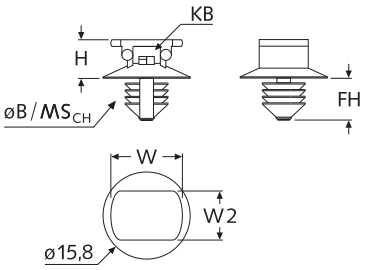



| Art.-Nr. | Artikel-Bez.<br>Maße (KB x L) | $B_{CH}$<br>Ø | $MS_{CH}$<br>min | Zug.*<br>kg | MOQ / VPE<br>Stück | Farbe |
|---|---|---|---|---|---|---|
| 29150 | KBM 3,6 x 160 S-M PA | 6,5-7,0 | ≥0,8 | 13 | 1.000 | ■ |
| 48507 | KBM 4,8 x 222 S-M PA | 6,5-7,0 | ≥0,8 | 22 | 1.000 | ■ |

**Zugfestigkeit · weitere Ausführungen a. A. · Unit: mm*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +75 °C

Kabelbinder-Montagesockel:




Kabelbinder-Montagesockel, einzeln:

| Art.-Nr. | Artikel-Bez. | KB<br>max | Farbe |
|---|---|---|---|
| 29149 | FTH-15-7-SW | 4,8 | ■ |

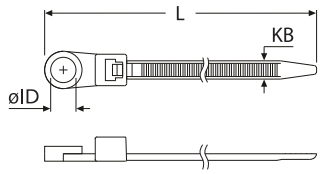
*Unit: mm · MOQ 100x*

## KBS + KBSL

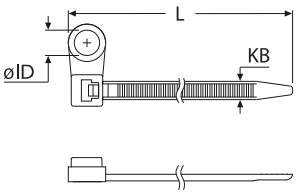
Kabelbinder, mit Schrauböse

*Cable ties with mounting hole*

Typ A + Typ B




Typ C




| Art.-Nr. | Artikel-Bez.<br>Maße (KB x L) | Typ | ID<br>Ø | Zug.*<br>kg | MOQ / VPE<br>Stück | Farbe |
|---|---|---|---|---|---|---|
| 03026 | KBS 3,6 x 150 N | A | 4,5 | 13 | 100 | □ |
| 02972 | KBS 4,8 x 200 N | A | 5,2 | 20 | 100 | □ |
| 03028 | KBS 7,8 x 200 N | A | 6,5 | 55 | 100 | □ |
| 03029 | KBS 7,8 x 300 N | A | 6,5 | 55 | 100 | □ |
| 09407 | KBS 7,8 x 380 N | A | 6,5 | 55 | 100 | □ |
| 07985 | KBSL 4,8 x 200 S 180° | B | 5,5 | 22 | 50 | ■ |
| 07984 | KBSL 4,8 x 200 S 90° | C | 5,5 | 22 | 50 | ■ |

**Zugfestigkeit · Unit: mm*

*passende Schrauben zu jedem Kabelbinder a. A. erhältlich*

**Standard-Material:** PA UL-94 V-2 □ natur -40°C bis +75°C
PA UL-94 HB ■ schwarz -40°C bis +75°C UV

**Typ A:** Schrauböse im 180°-Winkel, Farbe: natur
**Typ B:** Schrauböse im 180°-Winkel, Farbe: schwarz, UV-beständig, lösbar
**Typ C:** Schrauböse im 90°-Winkel, Farbe: schwarz, UV-beständig, lösbar

UV = UV-beständig *UV-resistant*
HT = Hitzebeständig *Heat-resistant*
V-0 = Schwer entflammbar *Flame-resistant*

KBZ-A

Kabelbinderzange, mit automatischem Abschneider *Manual fastening tool with automatic cutting device*

| Art.-Nr. sw-orange | Artikel-Bez. | KB | L | H | Gewicht | Farbe |
|---|---|---|---|---|---|---|
| 11741 | KBZ-A 2,2/4,8 mm | 2,2-4,8 | 160 | 130 | 310 g | |

*Unit: mm · MOQ 1x*

**Eigenschaften:** Kabelbinder-Werkzeug mit Metall-Gehäuse für Kabelbinderbreiten von 2,2 bis 4,8 mm mit automatischem Abschneider, schwarz/orange-rot, mit Einstellmöglichkeit der Spannstärke

KBZ-A

Kabelbinderzange, mit automatischem Abschneider *Manual fastening tool with automatic cutting device*

| Art.-Nr. orange | Artikel-Bez. | KB | L | H | Gewicht | Farbe |
|---|---|---|---|---|---|---|
| 11739 | KBZ-A 2,2/4,8 mm | 2,2-4,8 | 170 | 140 | 220 g | |

*Unit: mm · MOQ 1x*

**Eigenschaften:** Kabelbinder-Werkzeug mit Kunststoff-Gehäuse für Kabelbinderbreiten von 2,2 bis 4,8 mm mit automatischem Abschneider, orange-rot, mit Einstellmöglichkeit der Spannstärke

KBZ-A

Kabelbinderzange, mit automatischem Abschneider *Manual fastening tool with automatic cutting device*

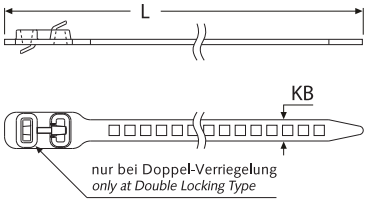
| Art.-Nr. schwarz | Artikel-Bez. | KB | L | H | Gewicht | Farbe |
|---|---|---|---|---|---|---|
| 11740 | KBZ-A 4,8/7,8 mm | 4,8-7,8 | 170 | 140 | 220 g | |

*Unit: mm · MOQ 1x*

**Eigenschaften:** Kabelbinder-Werkzeug mit Kunststoff-Gehäuse für Kabelbinderbreiten von 4,8 bis 7,8 mm mit automatischem Abschneider, schwarz, mit Einstellmöglichkeit der Spannstärke

## KBLSO

Soft-Kabelbinder, lösbar, mit Einfach- oder Doppel-Verriegelung *Soft flex cable ties, removable, single or double latch*




| Art.-Nr. schwarz (SE) | Art.-Nr. schwarz (SD) | Art.-Nr. grün (GD) | Artikel-Bez. Maße (KB x L) | KB | L |
|---|---|---|---|---|---|
| 09478 | 09485 | 09810 | KBLSO 7 x 180 ... | 7 | 180 |
| 09479 | 09487 | 09811 | KBLSO 7 x 260 ... | 7 | 260 |
| 09480 | 25276 | 09488 | KBLSO 11 x 260 ... | 11 | 260 |
| 09481 | 09490 | 09809 | KBLSO 11 x 340 ... | 11 | 340 |
| - | - | 09491 | KBLSO 28 x 420 ... | 28 | 420 |
| 09482 | 25277 | 09492 | KBLSO 28 x 580 ... | 28 | 580 |
| 09483 | 25278 | 09493 | KBLSO 28 x 880 ... | 28 | 880 |

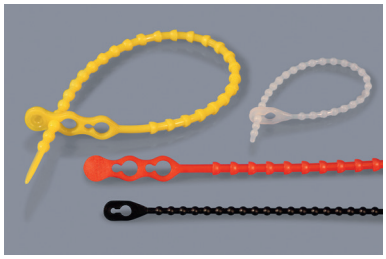
**Zugfestigkeit · weitere Ausführungen a. A. · Unit: mm · MOQ 100x*

**Standard-Material:**

| | | | | |
|---|---|---|---|---|
| PU | SE | schwarz | Einfach-Verriegelung | -40°C bis +85°C |
| PU | SD | schwarz | Doppel-Verriegelung | -40°C bis +85°C |
| PU | GD | grün | Doppel-Verriegelung | -40°C bis +85°C |
| PU | WD | weiß | Doppel-Verriegelung | -40°C bis +85°C |

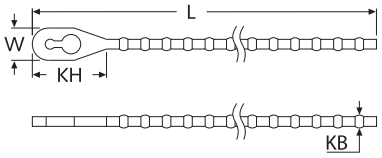
**Eigenschaften:**
- Reißdehnung liegt bei ca. 400 %
- hohe Witterungsbeständigkeit
- äußerst weich und elastisch sowie lösbar und sehr flexibel

## KBK

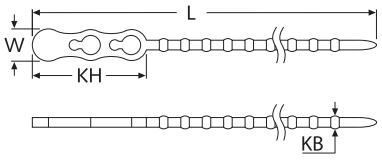


Kordelkabelbinder, mit Einfach- oder Doppel-Verriegelung *Ball cable ties, removable, single or double latch*

Typ A




Typ B

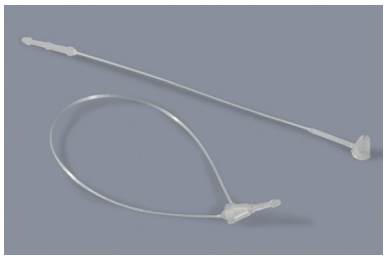



| Artikel-Bez. Maße (KB x L) | Typ | W | KH | Farben RO | GE | BL | GR | SW | NA | Zug.* kg | MOQ Stück |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KBK 2,4 x 63 "Farbe" | A | 5,2 | 11,5 | x | x | x | - | x | x | - | 1.000 |
| KBK 2,4 x 101 "Farbe" | A | 5,2 | 11,5 | x | x | x | - | x | x | - | 1.000 |
| KBK 2,4 x 127 "Farbe" | A | 5,2 | 11,5 | x | x | x | - | x | x | - | 1.000 |
| KBK 2,4 x 152 "Farbe" | A | 5,2 | 11,5 | x | x | x | - | x | x | - | 1.000 |
| KBK 3,2 x 222 "Farbe" | A | 9,5 | 22,2 | x | x | x | - | x | x | - | 1.000 |
| KBK 3,2 x 273 "Farbe" | A | 9,5 | 22,2 | x | x | x | - | x | x | - | 1.000 |
| KBK 3,2 x 323 "Farbe" | A | 9,5 | 22,2 | x | x | x | - | x | x | - | 1.000 |
| KBK 3,2 x 457 PP "Farbe" | A | 9,5 | 22,2 | - | - | - | - | - | x | - | 1.000 |
| KBK 3,5 x 120 PE "Farbe" | B | 7,0 | 25,0 | x | x | x | x | x | x | 13 | 1.000 |
| KBK 3,5 x 180 PE "Farbe" | B | 7,0 | 25,0 | x | x | x | x | x | x | 15 | 1.000 |
| KBK 3,9 x 240 PE "Farbe" | B | 8,5 | 36,0 | x | x | x | x | x | x | 18 | 100 |
| KBK 4,4 x 320 PE "Farbe" | B | 8,5 | 36,0 | x | x | x | x | x | x | 23 | 100 |
| KBK 5,7 x 500 PE "Farbe" | B | 13,0 | 50,0 | x | x | x | x | x | x | 25 | 500 |
| KBK 6,6 x 665 PE "Farbe" | B | 16,0 | 61,0 | x | x | x | x | x | x | 37 | 250 |

*x=Farbe verfügbar · RO=rot, GE=gelb, BL=blau, GR=grün, SW=schwarz, NA=natur*
**Zugfestigkeit · Unit: mm*

| | | | | |
|---|---|---|---|---|
| **Standard-Material Typ A:** | PA | UL-94 V-2 | schwarz / natur | -40°C bis +75°C |
| | PP | UL-94 HB | rot / gelb / blau | -40°C bis +65°C |
| **Standard-Material Typ B:** | LD-PE | | alle Farben | -40°C bis +65°C |

## KBSI



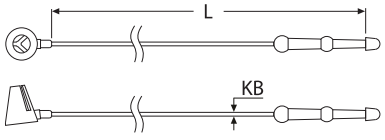
Sicherheitsfäden mit Kegelkopf
*Security ties with barrel-shaped head*

| Art.-Nr. natur | Artikel-Bez. | L | KB Ø | MOQ / VPE Stück | Farbe |
|---|---|---|---|---|---|
| 17902 | KBSI 085 PP natur | 85 | 0,5 | 1.000 | |
| NEW 37969 | KBSI 100 PP natur | 100 | 0,5 | 1.000 | |
| 17903 | KBSI 150 PP natur | 150 | 0,5 | 1.000 | |
| NEW 46204 | KBSI 150 PP schwarz | 150 | 0,5 | 10.000 | |
| 17904 | KBSI 220 PP natur | 220 | 0,7 | 1.000 | |

*Unit: mm*

**Standard-Material:**

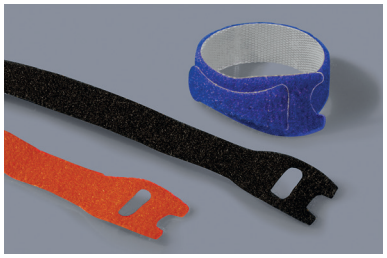
| | | | |
|---|---|---|---|
| PP | natur | -40°C bis +110°C |
| PP | schwarz | -40°C bis +110°C |




**Verwendungszweck z. B.:**
- zur Etikettenbefestigung (z. B. Kleidung)
- als Mini-Plombe

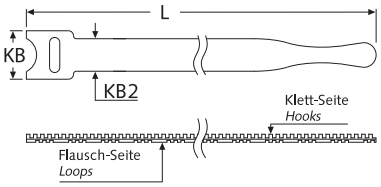
**Hinweis:**
- nicht lösbar!

## KLE-OWS



**Klett-Kabelbinder, mit Ausstanzung**

*Hook-and-loop fasteners with strap hole*




| Art.-Nr. schwarz | Artikel-Bez. Maße (KB x L) | KB | KB2 | L | MOQ / VPE pro Rolle | Farbe |
|---|---|---|---|---|---|---|
| 08940 | KLE-OWS 13 x 200 mm - schwarz | 13,0 | 7,0 | 200 | 750x | ■ |
| 08941 | KLE-OWS 20 x 150 mm - schwarz | 20,0 | 13,0 | 150 | 100x | ■ |
| 08942 | KLE-OWS 20 x 200 mm - schwarz | 20,0 | 13,0 | 200 | 100x | ■ |
| 08943 | KLE-OWS 20 x 230 mm - schwarz | 20,0 | 13,0 | 230 | 650x | ■ |
| 38613 | KLE-OWS 20 x 300 mm - schwarz | 20,0 | 13,0 | 300 | 100x | ■ |
| 08944 | KLE-OWS 20 x 330 mm - schwarz | 20,0 | 13,0 | 330 | 450x | ■ |
| 08945 | KLE-OWS 25 x 300 mm - schwarz | 25,0 | 18,0 | 300 | 500x | ■ |

*bis zu 400 Mal verschließen u. öffnen ohne Haltekraft-Verlust · Farben a. A. · Unit: mm*

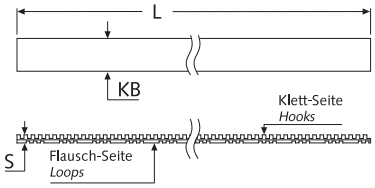
**Standard-Material:** Ultra Mate 888 HTH Hook 22 ■ schwarz -40°C bis +75°C

**Anwendung:** 1. Klett-Kabelbinder werden am Stecker o. Kabel mittels Ausstanzung befestigt (dadurch kein Verlust des Kabelbinders nach dem Öffnen).
2. Danach kann das Kabel aufgerollt u. mit dem Klett-Kabelbinder gebündelt werden.

## KLE-MICRO

**Micro-Klettband, sehr dünn**

*Hook-and-loop fastener tape, very thin*




| Art.-Nr. schwarz | Artikel-Bez. Maße (KB x L) | KB | S | L | MOQ | Farbe |
|---|---|---|---|---|---|---|
| 29115 | KLE-MICRO-HA/FL 16 mm x 100 mm | 16,0 | 0,4 | 100 mm | 100x | ■ |
| 29116 | KLE-MICRO-HA/FL 16 mm x 200 mm | 16,0 | 0,4 | 200 mm | 100x | ■ |
| 29114 | KLE-MICRO-HA/FL 16 mm x 10 m | 16,0 | 0,4 | 10 m | 1 Rolle | ■ |

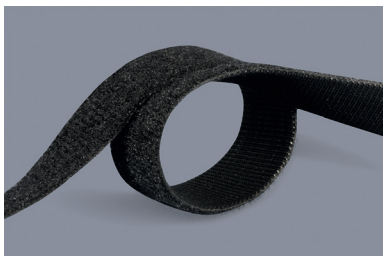
*mehrmaliges Schließen u. Öffnen möglich · Unit: mm*

**Standard-Material:**

| | | | |
|---|---|---|---|
| Klett-Seite | PA | ■ schwarz | -40°C bis +75°C |
| Flausch-Seite | PP | ■ schwarz | -40°C bis +75°C |
| Kleber | PU | | |

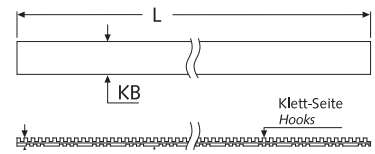
**Eigenschaften:**
- servicefreundlich im Automobilsektor
- sehr schnelles, problemloses und zuverlässiges Bündeln von Kabeln, Schläuchen, etc.
- große Erleichterung bei der Vormontage
- sehr leicht und dünn (ca. 0,4 mm)

## KLE-HAKEN/FLAUSCH



**Klettband auf Rollen**

*Hook-and-loop fastener tape on rolls*



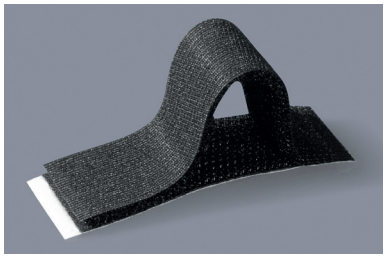

| Art.-Nr. schwarz | Art.-Nr. weiß | Artikel-Bez. Maße (KB x L) | KB | S | L |
|---|---|---|---|---|---|
| 24731 | 24732 | KLE-Haken/Flausch 13 mm x 25 m | 13,0 | 1,4 | 25 m |
| 24723 | 24724 | KLE-Haken/Flausch 16 mm x 25 m | 16,0 | 1,4 | 25 m |
| 24725 | 24726 | KLE-Haken/Flausch 20 mm x 25 m | 20,0 | 1,4 | 25 m |
| 24727 | 24728 | KLE-Haken/Flausch 25 mm x 25 m | 25,0 | 1,4 | 25 m |
| 24733 | 24734 | KLE-Haken/Flausch 30 mm x 25 m | 30,0 | 1,4 | 25 m |

*bis zu 200 Mal verschließen u. öffnen ohne Haltekraft-Verlust · Unit: mm · MOQ=1 Rolle á 25m*

**Standard-Material:** Polyamid-Velour-Laminat ■ schwarz / □ weiß -40°C bis +75°C

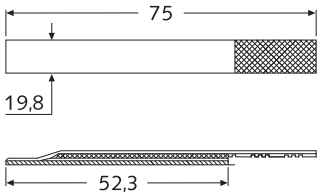
**Hinweis:** Mindestzugfestigkeit bei mind. 50 mm Überlappung: 120 N

## KLE-RKWFA



**Klettband-Kabelhalter, selbstklebend**

*Self-adhesive hook-and-loop cable holders*

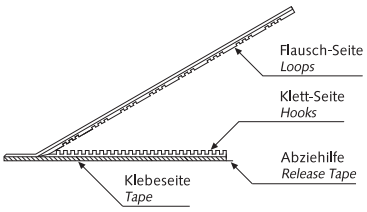



| Art.-Nr. schwarz | Artikel-Bez. | Bündel-Ø max. | MOQ Stück | Farbe |
|---|---|---|---|---|
| 19497 | KLE-RKWFA-16-300 sw | 18 | 100 | ■ |

*bis zu 10.000 Mal verschließen u. öffnen ohne Haltekraft-Verlust · Unit: mm*

**Standard-Material:** Haken / Flausch PA + PP ■ schwarz -40°C bis +75°C
Klebefolie Acrylat -30°C bis +60°C

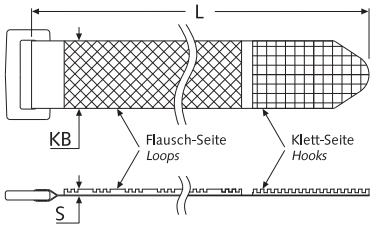
**Hinweis:**
- gebürstete Flausch-Seite aufgeschweißt auf selbstklebende Klett-Seite
- Klebebefestigung auf glattem, sauberen Untergrund, auch auf PVC-Flächen




## KLE-OSE

**Klettband mit Öse**

*Hook-and-loop fasteners with eyelet*



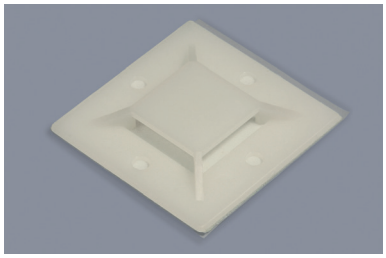

| Art.-Nr. schwarz/rot | Artikel-Bez. | KB | S | L | Bündel-Ø max. | MOQ Stück | Farbe |
|---|---|---|---|---|---|---|---|
| 29098 | KLE-OSE-25-240-SW/ROT | 25,0 | 2,0 | 240 | 60 | 100 | ■/■ |
| 29099 | KLE-OSE-25-300-SW/ROT | 25,0 | 2,0 | 300 | 70 | 100 | ■/■ |
| 29100 | KLE-OSE-25-360-SW/ROT | 25,0 | 2,0 | 360 | 95 | 100 | ■/■ |

*bis zu 10.000 Mal verschließen u. öffnen ohne Haltekraft-Verlust · Unit: mm*

**Standard-Material:** PA ■ schwarz / ■ rot -40°C bis +75°C

**Hinweis:**
- Klettbinder haftet in beliebiger Position und ermöglicht eine hohe Zugbelastung
- Mindestzugfestigkeit bei mind. 50 mm Überlappung: 260 N

## KLE-FTH



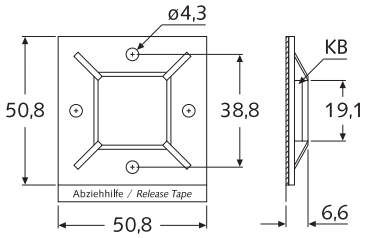
**Klebesockel für Klettbänder**

*Self-adhesive mounts for hook-and-loop fasteners*

| Art.-Nr. natur | Artikel-Bez. | KB max. | MOQ Stück | Farbe |
|---|---|---|---|---|
| 29112 | KLE-FTH-19-A natur | 19,0 | 500 | □ |

*Unit: mm*

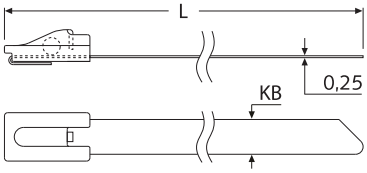
**Standard-Material:** Sockel PA UL-94 V-2 □ natur -40°C bis +75°C
Klebefolie Kautschuk -30°C bis +60°C



## KBST-B

Metall-Kabelbinder, mit Ball-/ Kugel-Verriegelung

*Metal cable ties with ball-lock*



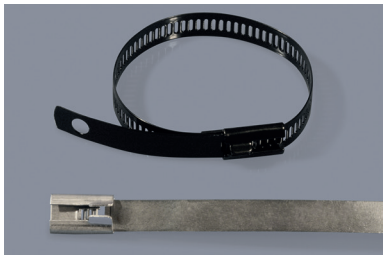

| Art.-Nr. blank | Artikel-Bez. | KB | L | Bündel-Ø max | Zug.* N (min) | MOQ Stück |
|---|---|---|---|---|---|---|
| 09829 | KBST-B 460201 V2A | 4,6 | 201 | 50 | 445 | 100 |
| 09845 | KBST-B 460259 V2A | 4,6 | 259 | 69 | 445 | 100 |
| 09846 | KBST-B 460360 V2A | 4,6 | 360 | 102 | 445 | 100 |
| 09847 | KBST-B 460520 V2A | 4,6 | 520 | 152 | 445 | 100 |
| 09848 | KBST-B 460679 V2A | 4,6 | 679 | 203 | 445 | 100 |
| 09849 | KBST-B 460838 V2A | 4,6 | 838 | 254 | 445 | 100 |
| 09850 | KBST-B 461067 V2A | 4,6 | 1067 | 305 | 445 | 100 |
| 09851 | KBST-B 790201 V2A | 7,9 | 201 | 50 | 1112 | 100 |
| 09852 | KBST-B 790259 V2A | 7,9 | 259 | 69 | 1112 | 100 |
| 09853 | KBST-B 790360 V2A | 7,9 | 360 | 102 | 1112 | 100 |
| 09854 | KBST-B 790520 V2A | 7,9 | 520 | 152 | 1112 | 100 |
| 09855 | KBST-B 790679 V2A | 7,9 | 679 | 203 | 1112 | 100 |
| 09856 | KBST-B 790838 V2A | 7,9 | 838 | 254 | 1112 | 100 |
| 09857 | KBST-B 791067 V2A | 7,9 | 1067 | 305 | 1112 | 100 |

**Mindestzugfestigkeit · Unit: mm*

**Standard-Material:** V2A Edelstahl 304 blank

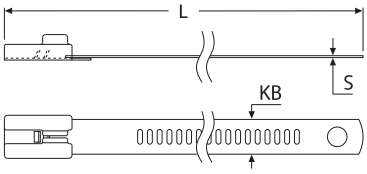
**Passendes Werkzeug für Metall-Kabelbinder:** 26447 - KBST-BM

## KBST-M



Metall-Kabelbinder, mit Multi-Verriegelung

*Metal cable ties with multi-lock*




| Art.-Nr. blank S=0,28 mm | Art.-Nr. schwarz S=0,46 mm | Artikel-Bez. | KB | L | Bündel-Ø max. | Zug.* N (min) | MOQ Stück |
|---|---|---|---|---|---|---|---|
| 09858 | 09868 | KBST-M 070150 V4A... | 7,0 | 150 | 48 | 900 | 100 |
| 09859 | 09869 | KBST-M 070225 V4A... | 7,0 | 225 | 71 | 900 | 100 |
| 09860 | 09870 | KBST-M 070300 V4A... | 7,0 | 300 | 96 | 900 | 100 |
| 09861 | 09871 | KBST-M 070450 V4A... | 7,0 | 450 | 144 | 900 | 100 |
| 09862 | 09872 | KBST-M 070610 V4A... | 7,0 | 610 | 193 | 900 | 100 |
| 09863 | 09873 | KBST-M 120150 V4A... | 12,0 | 150 | 48 | 900 | 100 |
| 09864 | 09874 | KBST-M 120225 V4A... | 12,0 | 225 | 71 | 900 | 100 |
| 09865 | 09875 | KBST-M 120300 V4A... | 12,0 | 300 | 96 | 900 | 100 |
| 09866 | 09876 | KBST-M 120450 V4A... | 12,0 | 450 | 144 | 900 | 100 |
| 09867 | 09877 | KBST-M 120610 V4A... | 12,0 | 610 | 193 | 900 | 100 |

**Mindestzugfestigkeit · Unit: mm*

**Standard-Material:**
blank VA4 Edelstahl 316
schwarz VA4 Edelstahl 316, Beschichtung: PA11 (nicht leitend)

**Passendes Werkzeug für Metall-Kabelbinder:**

- Kabelbinderwerkzeug mit manuellem Abschneider: 26447 - KBZ-M-St 2,2/12,0 mm
- Kabelbinderwerkzeug mit automatischem Abschneider: 50817 - KBZ-A-St 2,2/7,9 mm

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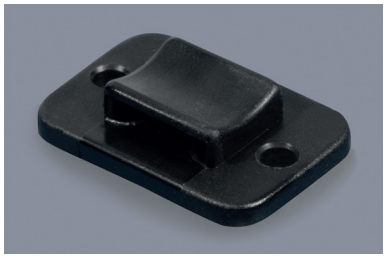
## FTH-421 + FTH-428



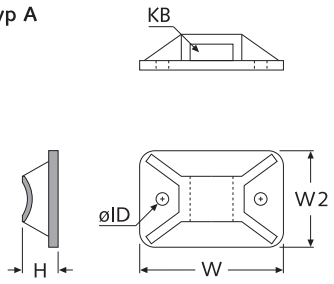
2-Wege-Montagesockel, flach, schraubbar, mit Klebefolie *2-way flat screw-on cable tie mounts with adhesive strip*

| Art.-Nr. | Artikel-Bez. | Typ | KB max. | passend für | ID ø | H | WxW2 □ | MOQ (Stück) | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 2-Wege-Schraubsockel (ohne Klebefolie): | | | | | | | | | |
| 33502 | FTH-421-K-SW | A | 4,0 | M2 | 2,2 | 4,6 | 20x14 | 1.000 | ■ |
| 40625 | FTH-421-K-N | A | 4,0 | M2 | 2,2 | 4,6 | 20x14 | 1.000 | □ |
| 2-Wege-Klebesockel (mit Klebefolie): | | | | | | | | | |
| 02977 | FTH-421-K-**A/3M**-N | B | 4,0 | M2 | 2,2 | 4,6 | 20x14 | 1.000 | □ |
| 33501 | FTH-421-K-**A/3M**-SW | B | 4,0 | M2 | 2,2 | 4,6 | 20x14 | 1.000 | ■ |
| 22364 | FTH-428-H-**A/3M**-N | B | 8,0 | M3 | 3,2 | 5,8 | 32,4x25,1 | 100 | □ |

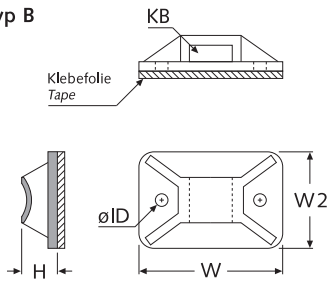
*passende Schrauben finden Sie im Kapitel „Montagezubehör" · Unit: mm*

**Standard-Material:** PA UL-94 V-2 □ natur -40°C bis +75°C
PA UL-94 V-2 ■ schwarz -40°C bis +75°C UV
Klebefolie: **A/3M** -30°C bis +75°C (Acrylat-Klebefilm)

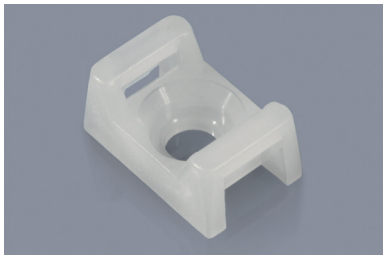
Typ A




Typ B




## FTH



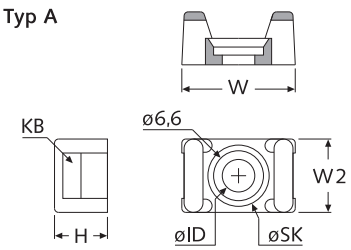
2-Wege-Montagesockel, schraubbar
*2-way screw-on cable tie mounts*

| Art.-Nr. natur | Artikel-Bez. | Typ | KB max. | passend für | ID ø | SK ø | H | WxW2 □ | MOQ (Stück) | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|
| 2-Wege-Schraubsockel für Senkkopfschraube: | | | | | | | | | | |
| 00129 | FTH-13S-N | A | 4,8 | M4 | 4,3 | 8,1 | 7,1 | 15,2x9,7 | 100 | □ |
| 2-Wege-Schraubsockel für Spreiznieten / Flachkopfschrauben: | | | | | | | | | | |
| 31897 | FTH-12R-N | B | 3,3 | M3 | 3,3 | 6,9 | 6,1 | 13x8,3 | 100 | □ |
| 09442 | FTH-13S-E-N | B | 5,0 | M3 | 3,7 | 7,0 | 7,0 | 15,2x9,7 | 100 | □ |
| 00131 | FTH-14S-N | B | 8,0 | M6 | 6,5 | 12,5 | 9,8 | 22,2x15,7 | 100 | □ |
| 41954 | FTH-14S-K2-N | B | 9,0 | M4 | 4,8 | 9,6 | 9,6 | 22x16 | 100 | □ |
| 00128 | FTH-13R-N | B | 5,0 | M4 | 4,3 | 8,1 | 7,1 | 15,2x9,7 | 100 | □ |
| 00130 | FTH-14R-N | B | 7,8 | M5 | 5,2 | 9,5 | 9,8 | 22,2x15,7 | 100 | □ |
| 09443 | FTH-14S-E-N | B | 9,0 | M5 | 5,1 | 10,2 | 11,0 | 22,5x15 | 100 | □ |
| 15278 | FTH-14S-A-N | B | 9,0 | M6 | 6,3 | 10,6 | 9,8 | 23,3x16,1 | 100 | □ |
| 09415 | FTH-27-12-N | B | 12,8 | M5 | 5,8 | 11,6 | 12,7 | 25,8x19,5 | 100 | □ |

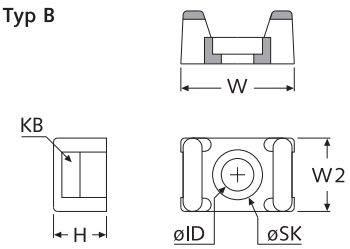
*passende Spreiznieten + Schrauben finden Sie im Kapitel „Montagezubehör" · Unit: mm*

**Standard-Material:** PA UL-94 V-2 □ natur -40°C bis +75°C
PA UL-94 V-2 ■ schwarz -40°C bis +75°C UV

Typ A




Typ B




UV = UV-beständig *UV-resistant*
HT = Hitzebeständig *Heat-resistant*
V-0 = Schwer entflammbar *Flame-resistant*

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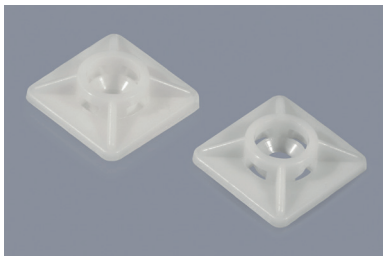
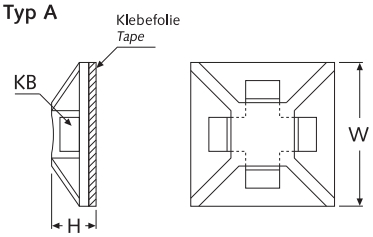
## FTH + MFTH



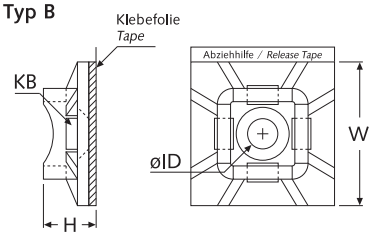
4-Wege-Montagesockel

*4-way screw-on cable tie mounts*

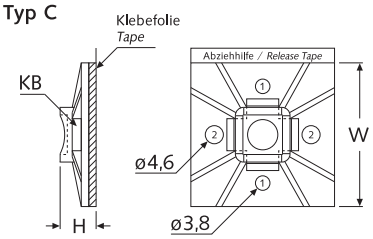
Typ A



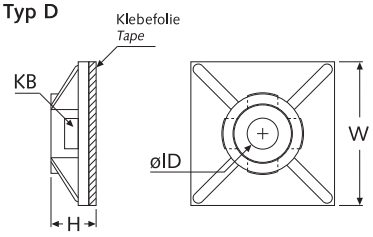

Typ B



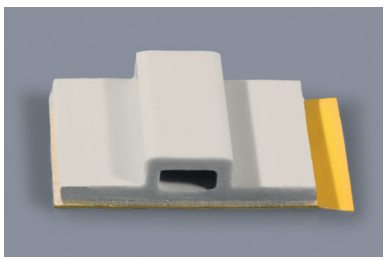

Typ C




Typ D




## FTH-02A



Montagesockel, mit Klebefolie

*Cable tie mounts with adhesive strip*

UV = UV-beständig *UV-resistant*

HT = Hitzebeständig *Heat-resistant*

V-0 = Schwer entflammbar *Flame-resistant*

Montagesockel mit Klebefolie:

| Art.-Nr. natur | Art.-Nr. schwarz | Artikel-Bez. | Typ | KB max. | ID ø | H | W □ | Material | MOQ (Stück) |
|---|---|---|---|---|---|---|---|---|---|
| 00811 | 53182 | MFTH-02-01**A-T** | A | 2,6 | - | 3,5 | 12,7 | PA | 100 |
| 01438 | 07296 | FTH-467-E-**A** | D | 3,6 | 4,1 | 6,0 | 19,0 | ABS | 100 |
| 07283 | 28598 | FTH-467-E-**A-3MV** | D | 3,6 | 4,1 | 6,0 | 19,0 | ABS | 100 |
| 00812 | - | FTH-05**A-3M-RT** | B | 3,6 | 4,0 | 6,5 | 19,1 | PA | 100 |
| 17067 | - | FTH-467-N-**A-3M** | A | 4,5 | - | 5,0 | 19,5 | PA | 100 |
| 00838 | - | FTH-07**A-3M-RT** | B | 4,8 | 5,7 | 7,9 | 25,4 | PA | 100 |
| 03310 | 12771 | FTH-473-E-**A-3M** | D | 4,8 | 4,1 | 8,0 | 26,5 | ABS | 100 |
| 07298 | - | FTH-473-E-**A-3MV** | D | 4,8 | 4,1 | 8,0 | 26,5 | ABS | 100 |
| 44146 | - | FTH-473-K2-**A-3M** | D | 4,8 | 4,5 | 6,0 | 19,1 | PA | 500 |
| 39852 | - | FTH-473-K-**A-3M** | B | 6,0 | 5,6 | 6,6 | 28,0 | PA | 250 |
| 00839 | - | FTH-08**A-3M-RT** | C | 7,8 | - | 8,4 | 38,1 | PA | 100 |
| 00844 | - | FTH-10**A-3M-RT** | C | 7,8 | - | 8,4 | 50,8 | PA | 100 |
| - | 49807 | FTH-18**A-T-S** | B | 13,0 | 6,5 | 8,0 | 37,0 | PP-GV | 100 |

*weitere Abmessungen a. A. · Unit: mm*

| | | | | | |
|---|---|---|---|---|---|
| **Standard-Material:** | PA | UL-94 V-2 | ☐ natur | -40°C bis +75°C | |
| | ABS | UL-94 HB | ☐ natur / ■ schwarz | -30°C bis +60°C | |
| | PP-GV | UL-94 HB | ■ schwarz | -40°C bis +80°C | UV |
| Material auf Anfrage: | PA | UL-94 V-2 | ■ schwarz | -40°C bis +75°C | UV |

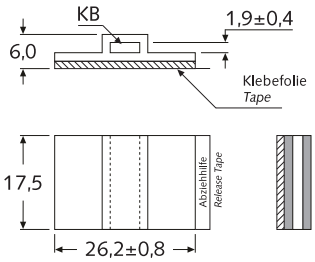
| | | | | |
|---|---|---|---|---|
| Klebefolie: | **A** | -30°C bis +50°C | ohne Abziehhilfe | (Naturkautschuk-Klebefilm) |
| | **A-T** | -20°C bis +60°C | ohne Abziehhilfe | (Polyurethan-Klebefilm) |
| | **A-T-S** | -40°C bis +80°C | ohne Abziehhilfe | (Acrylat-Klebefilm) |
| | **A-RT** | -20°C bis +50°C | mit Abziehhilfe | (Polyurethan-Klebefilm) |
| | **A-3M** | -30°C bis +60°C | ohne Abziehhilfe | (Naturkautschuk-Klebefilm) |
| | **A-3M-RT** | -30°C bis +60°C | mit Abziehhilfe | (Naturkautschuk-Klebefilm) |
| | **A-3MV** | -30°C bis +110°C | ohne Abziehhilfe | (Acrylat-Klebefilm) |

Montagesockel schraubbar (ohne Klebefolie):

| Art.-Nr. natur | Art.-Nr. schwarz | Artikel-Bez. | Typ | KB max. | ID ø | H | W □ | Material | MOQ (Stück) |
|---|---|---|---|---|---|---|---|---|---|
| 00122 | - | FTH-05-N | B | 3,6 | 4,0 | 5,0 | 19,1 | PA | 100 |
| 09445 | - | FTH-466-E-N | D | 3,6 | 4,1 | 6,0 | 19,0 | ABS | 100 |
| 00124 | - | FTH-07-N | B | 4,8 | 4,0 | 7,1 | 25,4 | PA | 100 |
| 09446 | 36090 | FTH-472-E | D | 4,8 | 4,1 | 6,5 | 26,5 | ABS | 100 |
| 00125 | - | FTH-08-N | C | 7,8 | - | 7,6 | 38,1 | PA | 100 |
| 00127 | - | FTH-10-N | C | 7,8 | - | 7,6 | 50,8 | PA | 100 |

*weitere Abmessungen a. A. · Unit: mm*

| | | | | | |
|---|---|---|---|---|---|
| **Standard-Material:** | PA | UL-94 V-2 | ☐ natur | -40°C bis +75°C | |
| | ABS | UL-94 HB | ☐ natur / ■ schwarz | -30°C bis +60°C | |
| Material auf Anfrage: | PA | UL-94 V-2 | ■ schwarz | -40°C bis +75°C | UV |




| Art.-Nr. weiß | Artikel-Bez. | KB max. | Farbe |
|---|---|---|---|
| 00119 | FTH-02**A-RT**-N | 4,8 | ☐ |

*Unit: mm · MOQ 1.000x*

**Standard-Material:**

Noryl PPE UL-94 V-1 ☐ weiß

-30°C bis +90°C

Klebefolie:

**A-RT** -20°C bis +50°C

(Polyurethan-Klebefilm mit Abziehhilfe)

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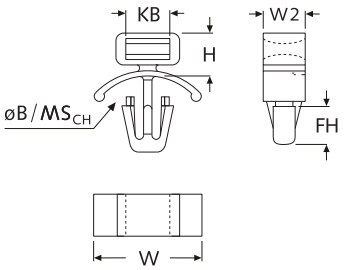
## FTH-03 + FTH-06

Montagesocket, steckbar

*Plug-in cable tie mounts*




$B_{CH}$= ø2,5 ø6,4

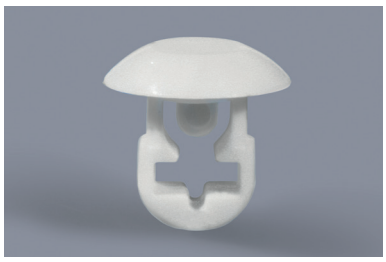
MS$_{CH}$= 0,8-3,2

| Art.-Nr. | Artikel-Bez. | KB max | $B_{CH}$ ø | MS$_{CH}$ | H | FH | W | W2 | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 00120 | FTH-03-N | 3,6 | 4,8 | 0,8-2,0 | 7,5 | 5,4 | 14,3 | 7,1 | □ |
| 33605 | FTH-06/5-N | 4,8 | 6,2 | 0,8-3,2 | 4,5 | 7,5 | 18,3 | 6,4 | □ |
| 33606 | FTH-06/5-SW | 4,8 | 6,2 | 0,8-3,2 | 4,5 | 7,5 | 18,3 | 6,4 | ■ |
| 25755 | FTH-06/7-N | 7,8 | 6,2 | 0,8-3,2 | 7,1 | 7,5 | 21,0 | 10,0 | □ |
| 25762 | FTH-06/7-SW | 7,8 | 6,2 | 0,8-3,2 | 7,1 | 7,5 | 21,0 | 10,0 | ■ |
| 00123 | FTH-06-N | 4,8 | 6,4 | 1,2-2,8 | 6,6 | 7,1 | 15,9 | 7,2 | □ |
| 17345 | FTH-06-SW | 4,8 | 6,4 | 1,2-2,8 | 6,6 | 7,1 | 15,9 | 7,2 | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 □ natur -40°C bis +75°C
PA UL-94 V-2 ■ schwarz -40°C bis +75°C

## FTH-09



Montagesocket, steckbar

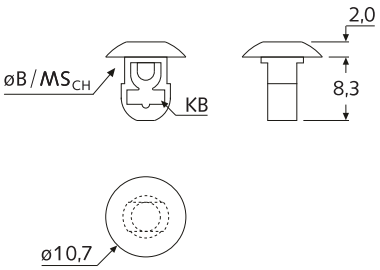
*Plug-in cable tie mounts*

$B_{CH}$= ø6,4

MS$_{CH}$= 3,2

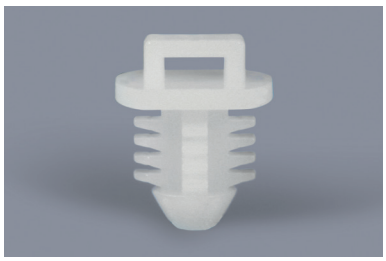
| Art.-Nr. natur | Artikel-Bez. | KB max | Farbe |
|---|---|---|---|
| 00126 | FTH-09-N | 4,8 | □ |

*Unit: mm · MOQ 100x*




**Standard-Material:**
PA UL-94 V-2 □ natur
-40°C bis +75°C

## FTH-15



Montagesocket, steckbar

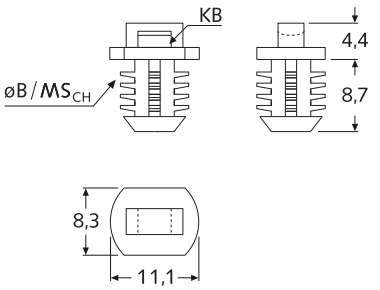
*Plug-in cable tie mounts*

$B_{CH}$= ø7,9

MS$_{CH}$= 6,4

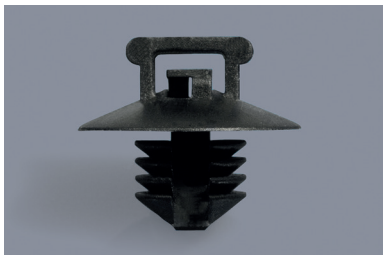
| Art.-Nr. natur | Artikel-Bez. | KB max | Farbe |
|---|---|---|---|
| 00132 | FTH-15-N | 3,6 | □ |
| 36778 | FTH-15-V0-N * | 3,6 | □ |
| 36779 | FTH-15-V0-S * | 3,6 | ■ |

**UL-94 V-0 · Unit: mm · MOQ 100x/1K*




**Standard-Material:**
PA UL-94 V-2 □ natur
PA UL-94 V-0 □ natur / ■ schwarz
-40°C bis +75°C

## FTH-15-6 + FTH-15-7



Montagesocket, steckbar

*Plug-in cable tie mounts*

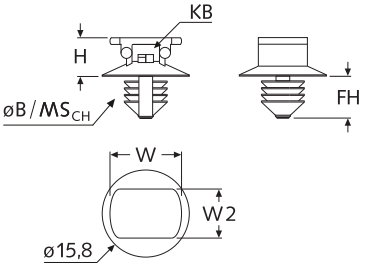
$B_{CH}$= ø6,5-7

MS$_{CH}$= 0,8-3

| Art.-Nr. schwarz | Artikel-Bez. | KB max | $B_{CH}$ ø | MS$_{CH}$ min. | H | FH | W | W2 | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 29147 | FTH-15-6-SW | 4,8 | 6,5-7,0 | ≥0,8 | 6,5 | 7,2 | 9,0 | 3,5 | ■ |
| 29149 | FTH-15-7-SW | 4,8 | 6,5-7,0 | ≥0,8 | 6,3 | 7,2 | 13,3 | 9,0 | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

**Standard-Material:**
PA UL-94 V-2 ■ schwarz
-40°C bis +75°C



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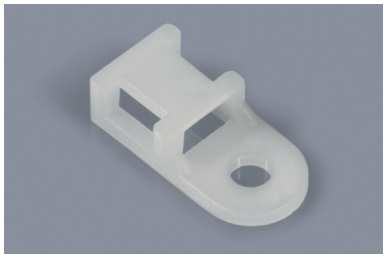
## FTH-02-N



Montagesockel, schraubbar

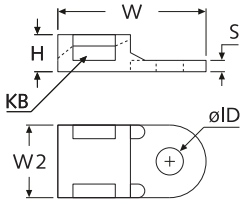
*Screw-on cable tie mounts*

| Art.-Nr. | Artikel-Bez. | ID ø | KB max | S | H | W | W2 | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 17342 | FTH-02-N-M3,5 | 3,6 | 5,5 | 1,4 | 4,8 | 19,5 | 9,5 | A | □ |
| 33859 | FTH-02-N-M4-4 | 4,3 | 5,0 | 1,6 | 5,0 | 19,0 | 9,5 | A | □ |
| 39165 | FTH-02-S-M4-5 | 4,3 | 5,0 | 2,9 | 6,0 | 19,2 | 9,8 | C | ■ |
| 18622 | FTH-02-N-M4-1 | 4,4 | 5,0 | 1,5 | 4,9 | 19,5 | 9,6 | B | □ |
| 35050 | FTH-02-N-M6 | 6,5 | 5,0 | 1,6 | 5,0 | 19,0 | 9,5 | A | □ |

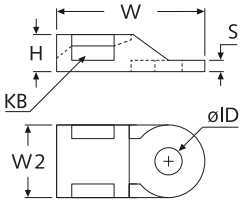
*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 □ natur / ■ schwarz -40°C bis +75°C

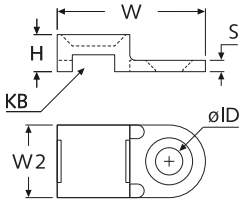
Typ A



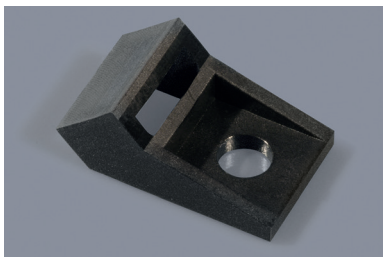

Typ B




Typ C

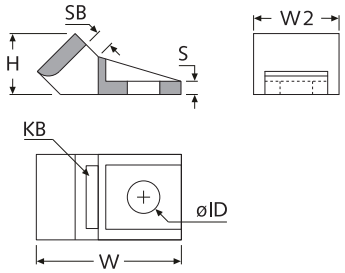



## FTH-02-S



Montagesockel, schraubbar

*Screw-on cable tie mounts*

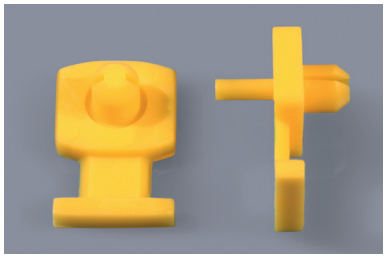



| Art.-Nr. schwarz | Artikel-Bez. | ID ø | KB max | SB | S | H | W | W2 | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 18623 | FTH-02-S-M4-45° | 4,2 | 8,3 | 2,5 | 1,8 | 8,0 | 19,0 | 11,3 | □ |
| 18624 | FTH-02-S-M5-X-45° | 5,2 | 12,3 | 1,6 | 1,7 | 5,7 | 23,5 | 16,3 | □ |
| 22460 | FTH-02-S-M8-45° | 8,4 | 16,7 | 2,3 | 2,5 | 10,3 | 27,4 | 21,4 | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +75°C UV

## FTH-22



Montagesockel, mit Spreizniete

*Cable tie mounts with rivet*

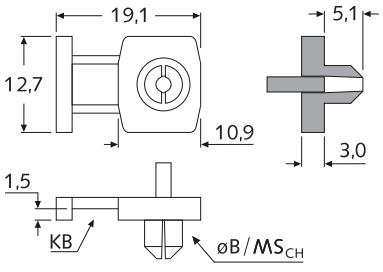
$B_{CH}$= ø5,0

$MS_{CH}$= 0,8-3,2

| Art.-Nr. | Artikel-Bez. | KB max | Farbe |
|---|---|---|---|
| 09416 | FTH-22-G gelb | 4,8 | ■ |

*Unit: mm · MOQ 1.000x*

**Standard-Material:**
PA UL-94 V-2 ■ gelb
-40°C bis +75°C




UV = UV-beständig *UV-resistant*
HT = Hitzebeständig *Heat-resistant*
V-0 = Schwer entflammbar *Flame-resistant*

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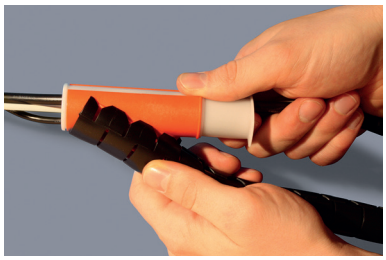
## SHR

SHR-Schlauch zuschneiden, Werkzeug öffnen und Kabelbündel einlegen.



Schutzschlauch am Werkzeugkopf aufstecken.

Nun kann der Schutzschlauch mühelos im Reißverschlussverfahren aufgezogen werden.

| Art.-Nr. | Artikel-Bez. | Bündel-Ø max | Wandstärke | MOQ / VPE | Farbe |
|---|---|---|---|---|---|
| 04647 | SHR-08-PPB - schwarz | bis 10 mm | 0,8 mm | 100 m | ■ |
| 04806 | SHR-08-PPW - weiß | bis 10 mm | 0,8 mm | 100 m | □ |
| 04648 | SHR-15-PPB - schwarz | bis 16 mm | 0,8 mm | 50 m | ■ |
| 04652 | SHR-15-PPG - grau | bis 16 mm | 0,8 mm | 50 m | ■ |
| 04807 | SHR-15-PPW - weiß | bis 16 mm | 0,8 mm | 50 m | □ |
| 04649 | SHR-20-PPB - schwarz | bis 23 mm | 0,9 mm | 30 m | ■ |
| 04653 | SHR-20-PPG - grau | bis 23 mm | 0,9 mm | 30 m | ■ |
| 04808 | SHR-20-PPW - weiß | bis 23 mm | 0,9 mm | 30 m | □ |
| 04650 | SHR-25-PPB - schwarz | bis 25 mm | 1,0 mm | 20 m | ■ |
| 04654 | SHR-25-PPG - grau | bis 25 mm | 1,0 mm | 20 m | ■ |
| 04809 | SHR-25-PPW - weiß | bis 25 mm | 1,0 mm | 20 m | □ |
| 09461 | SHR-32-PPB - schwarz | bis 32 mm | 1,3 mm | 15 m | ■ |
| 09462 | SHR-32-PPG - grau | bis 32 mm | 1,3 mm | 15 m | ■ |
| 09463 | SHR-32-PPW - weiß | bis 32 mm | 1,3 mm | 15 m | □ |

*Unit: mm*

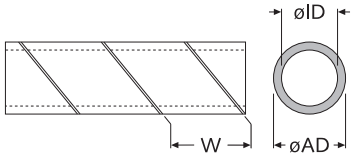
**Standard-Material:** PP halogenfrei -30°C bis +100°C
Material auf Anfrage: PA ■ schwarz -40°C bis +100°C
PA ■ schwarz -40°C bis +65°C UL-94 V-0

**Standard-Farben:** schwarz, weiß, grau (außer bei 100m), weitere Farben ab 5.000m auf Anfrage

**Lieferumfang:** pro Lieferung ein passendes Werkzeug inklusive

## SP

Spiralband / Kabelschutzschlauch
*Spiral tape / cable protection hose*




**Standard-Material:**

**A:** PE □ natur / ■ schwarz
-50°C bis +85°C,
wetterbeständig, halogenfrei

**B:** PE □ natur / ■ schwarz
-50°C bis +85°C, UL-94 HB
auf Anfrage: UL-94 V-2 □ weiß

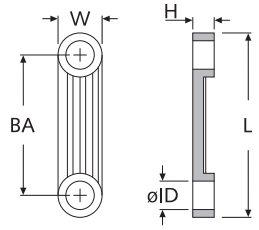
| Art.-Nr. natur | Art.-Nr. schwarz | Artikel-Bez. | Bündel-Ø | ID Ø | AD Ø | W | Material | MOQ / VPE |
|---|---|---|---|---|---|---|---|---|
| - | 03974 | SP-02-S-PE | 1,5-7,0 | 1,5 | 3,0 | 5,0 | A | 50 m |
| 01440 | 25620 | SP-02-PE/HB | 2,0-15,0 | 2,3 | 3,5 | 5,0 | B | 50 m |
| 04668 | 04676 | SP-04-H-PE/HB | 3,2-38,1 | 3,2 | 5,0 | 5,0 | B | 30 m |
| 01441 | 25621 | SP-04-PE/HB | 4,0-20,0 | 3,7 | 5,0 | 7,0 | B | 25 m |
| 02907 | 03975 | SP-04-S-PE | 5,0-20,0 | 4,0 | 6,0 | 8,0 | A | 25 m |
| 04669 | 04677 | SP-05-H-PE/HB | 4,8-50,8 | 4,1 | 6,0 | 9,0 | B | 30 m |
| 01442 | 25622 | SP-06-PE/HB | 7,0-40,0 | 6,5 | 8,0 | 10,0 | B | 25 m |
| 04670 | 04678 | SP-06-H-PE/HB | 7,9-76,2 | 6,9 | 9,0 | 11,0 | B | 30 m |
| - | 03976 | SP-06-S-PE | 9,0-40,0 | 9,0 | 12,0 | 10,0 | A | 25 m |
| 04671 | 04679 | SP-08-H-PE/HB | 9,5-102,0 | 9,5 | 13,0 | 13,0 | B | 30 m |
| 01443 | 25623 | SP-09-PE/HB | 12,0-50,0 | 8,2 | 10,0 | 12,0 | B | 25 m |
| 04672 | 04680 | SP-09-H-PE/HB | 12,0-114,0 | 12,7 | 16,0 | 16,0 | B | 30 m |
| 01444 | 25624 | SP-12-PE/HB | 13,0-70,0 | 10,0 | 12,0 | 14,0 | B | 25 m |
| 01445 | 25625 | SP-15-PE/HB | 15,0-80,0 | 12,0 | 14,0 | 16,0 | B | 20 m |
| 04673 | 04681 | SP-15-H-PE/HB | 19,0-127,0 | 15,6 | 19,0 | 19,0 | B | 30 m |
| 01446 | 01447 | SP-20-PE/HB | 20,0-120,0 | 17,6 | 20,0 | 22,0 | B | 25 m |
| - | 03977 | SP-09-S-PE | 25,0-100,0 | 19,0 | 22,0 | 10,0 | A | 25 m |
| 29929 | 29928 | SP-25-PE/HB | 25,0-150,0 | 22,2 | 25,0 | 27,0 | B | 20 m |
| 04674 | 04682 | SP-20-H-PE/HB | 25,0-178,0 | 20,6 | 25,0 | 25,0 | B | 30 m |

*Unit: mm*

## AST 5922

Zugentlastungsbügel

*Strain relief clamps*




| Art.-Nr. | Artikel-Bez. | BA | ID ø | W | L | H | Material | Farbe |
|---|---|---|---|---|---|---|---|---|
| 12166 | AST 5922/15///16 | 15,0 | 4,0 | 7,0 | 22,0 | 3,0 | B | ☐ |
| 12168 | AST 5922/3///16 | 16,0 | 3,2 | 7,0 | 23,0 | 3,0 | B | ☐ |
| 12169 | AST 5922///16 | 16,0 | 4,2 | 7,0 | 23,0 | 3,0 | B | ☐ |
| 12176 | AST 5922/17///118 | 18,0 | 4,0 | 6,2 | 26,0 | 3,0 | C | ☐ |
| 44333 | AST 5922/28///118 | 28,0 | 3,6 | 6,0 | 34,0 | 4,2 | C | ☐ |
| 02602 | AST 5922/15///221 | 15,0 | 4,0 | 7,0 | 22,0 | 3,0 | A | ■ |
| 12167 | AST 5922/3///26 | 16,0 | 3,2 | 7,0 | 23,0 | 3,0 | B | ■ |
| 12170 | AST 5922///26 | 16,0 | 4,2 | 7,0 | 23,0 | 3,0 | B | ■ |
| 12173 | AST 5922/17///26 | 18,0 | 4,0 | 6,2 | 26,0 | 3,0 | B | ■ |
| 12174 | AST 5922/17///218 | 18,0 | 4,0 | 6,2 | 26,0 | 3,0 | C | ■ |

*Unit: mm · MOQ 100x*

**Standard-Material:**

| | | | | |
|---|---|---|---|---|
| **A:** | PA-GV | UL-94 V-0 | ☐ weiß / ■ schwarz | -40°C bis +110°C |
| **B:** | PA-GV | UL-94 HB | ☐ weiß / ■ schwarz | -40°C bis +110°C |
| **C:** | PBT-GV | UL-94 V-0 | ☐ weiß / ■ schwarz | -40°C bis +150°C |

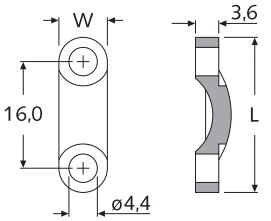
## AST 5922

Zugentlastungsbügel

*Strain relief clamps*

| Art.-Nr. schwarz | Artikel-Bez. | W | L | Farbe |
|---|---|---|---|---|
| 27945 | AST 5922///26 Typ R | 7,3 | 23,0 | ■ |
| 30172 | AST 5922///26 Typ Z | 7,5 | 24,0 | ■ |

*Unit: mm · MOQ 100x*




**Standard-Material:**

PA UL-94 V-2 ■ schwarz

-40°C bis +75°C

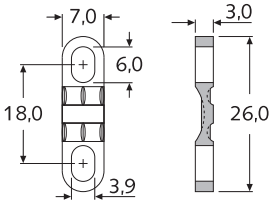
## AST 5922/18

Zugentlastungsbügel

*Strain relief clamps*

| Art.-Nr. schwarz | Artikel-Bez. | Farbe |
|---|---|---|
| 12178 | AST 5922/18///26 | ■ |

*Unit: mm · MOQ 100x*




**Standard-Material:**

PA-GV UL-94 HB ■ schwarz

-40°C bis +110°C

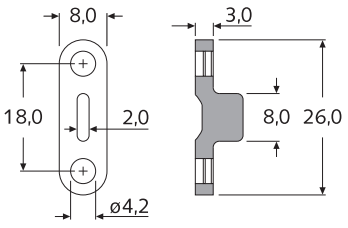
## AST 5922/1839

Zugentlastungsbügel

*Strain relief clamps*

| Art.-Nr. schwarz | Artikel-Bez. | Farbe |
|---|---|---|
| 12177 | AST 5922/1839///221 | ■ |

*Unit: mm · MOQ 100x*

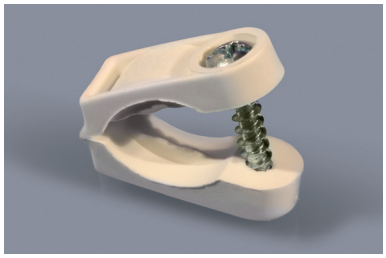



**Standard-Material:**

PA-GV UL-94 V-0 ■ schwarz

-40°C bis +110°C

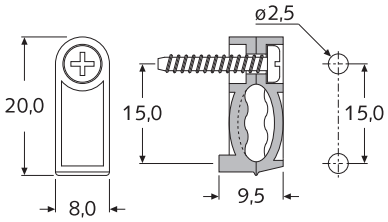
## AST 5424



Zugentlastungsbügel
*Strain relief clamps*

| Art.-Nr. | Artikel-Bez. | Farbe |
|---|---|---|
| 24985 | AST 5424///15 - weiß | ☐ |
| 18300 | AST 5424///25 - schwarz | ■ |

*Kabel-Ø: 4,8-6,8 mm · Unit: mm · MOQ 500x*




**Standard-Material:**
PA-GV UL-94 V-2 ☐ weiß / ■ schwarz
-40°C bis +90°C

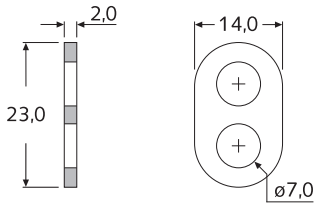
**Hinweis:** Lieferumfang mit selbstschneidender Metall-Schraube

## AST 5050

Kabelzugentlaster
*Cable strain reliefs*

| Art.-Nr. schwarz | Artikel-Bez. | Farbe |
|---|---|---|
| 21076 | AST 5050///25 - schwarz | ■ |

*Unit: mm · MOQ 100x*




**Standard-Material:**
PA UL-94 V-2 ■ schwarz
-40°C bis +105°C
Kundenspezifsche Ausführungen a. A.

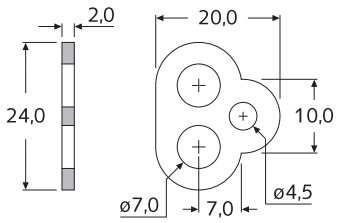
**Hinweis:** max. Kabelzug: 3 kg
max. Kabel-Ø: 4,8-6,5 mm / 3x4,8 bis 4x6,4 mm

## AST 5110

Kabelzugentlaster
*Cable strain reliefs*

| Art.-Nr. schwarz | Artikel-Bez. | Farbe |
|---|---|---|
| 03419 | AST 5110///26 - schwarz | ■ |

*Unit: mm · MOQ 100x*




**Standard-Material:**
PA-GV UL-94 HB ■ schwarz
-40°C bis +110°C
Kundenspezifsche Ausführungen a. A.

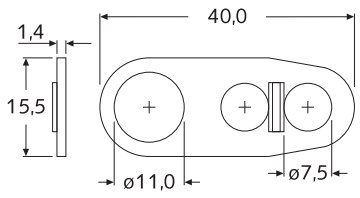
**Hinweis:** max. Kabelzug: 3 kg
max. Kabel-Ø: 4,8-6,5 mm / 3x4,8 bis 4x6,4 mm

## AST 5228

Kabelzugentlaster
*Cable strain reliefs*

| Art.-Nr. schwarz | Artikel-Bez. | Farbe |
|---|---|---|
| 21506 | AST 5228///25 - schwarz | ■ |

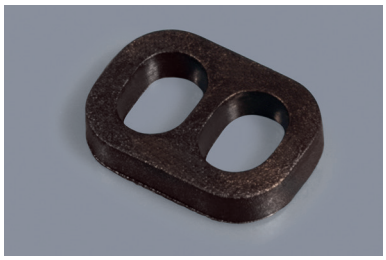
*Unit: mm · MOQ 100x*




**Standard-Material:**
PA UL-94 V-2 ■ schwarz
-40°C bis +105°C

**Hinweis:** max. Kabelzug: 3 kg
max. Kabel-Ø: 4,8-7,0 mm

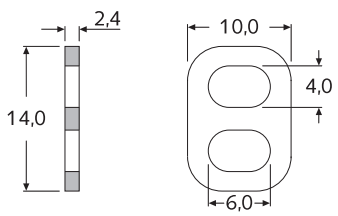
## AST 5230



Flachkabel-Zugentlaster
*Flat cable strain reliefs*

| Art.-Nr. schwarz | Artikel-Bez. | Farbe |
|---|---|---|
| 49060 | AST 5230///16 - weiß | ☐ |
| 25575 | AST 5230///26 - schwarz | ■ |

*Unit: mm · MOQ 100x*



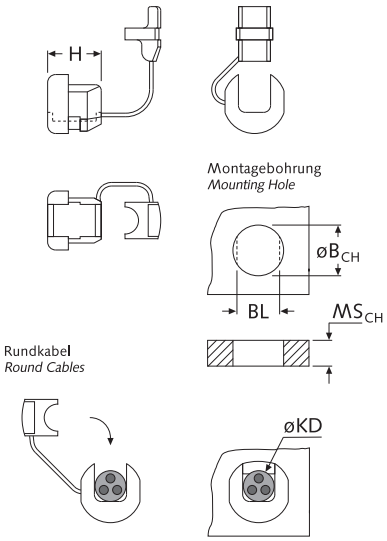

**Standard-Material:**
PA-GV UL-94 HB ☐ weiß / ■ schwarz
-40°C bis +110°C
Kundenspezifsche Ausführungen a. A.

**Hinweis:** max. Kabelzug: 3 kg
max. Kabel-Ø: 3,0x4,8 bis 4,0x6,0 mm

## ZERG

### Rundkabel-Zugentlaster, gerade

*Round cable strain relief bushings, straight*




| Art.-Nr. | Artikel-Bez. für Rundkabel | KD ø | MS CH max | H | B CH ø | BL | Farbe |
|---|---|---|---|---|---|---|---|
| 02913 | ZERG SR-2M-1 sw | 3,0-4,7 | 1,6 | 10,3 | 9,5 | 8,4 | ■ |
| 05783 | ZERG SR-5MN-3 sw | 5,6-6,2 | 1,6 | 11,1 | 12,7-13,1 | 11,4 | ■ |
| 05784 | ZERG SR-5M-3 sw | 5,6-6,2 | 2,5 | 11,1 | 12,7-13,1 | 11,4 | ■ |
| 05785 | ZERG SR-5N-4 sw* | 6,4-7,4 | 1,6 | 11,1 | 12,7-13,1 | 11,4 | ■ |
| 41585 | ZERG SR-5N-4 we* | 6,4-7,4 | 1,6 | 11,1 | 12,7-13,1 | 11,4 | □ |
| 05786 | ZERG SR-5P-4 sw* | 6,4-7,4 | 2,5 | 11,1 | 12,7-13,1 | 11,4 | ■ |
| 05787 | ZERG SR-5L-1 sw | 6,4-7,4 | 4,0 | 11,1 | 12,7-13,1 | 11,4 | ■ |
| 05789 | ZERG SR-6N-4 sw | 7,6 | 1,6 | 14,7 | 15,9 | 14,0 | ■ |
| 05788 | ZERG SR-6W-1 sw* | 7,6 | 2,3 | 11,1 | 12,7 | 11,8 | ■ |
| 05790 | ZERG SR-6P-4 sw | 7,6 | 3,2 | 14,7 | 15,9 | 14,0 | ■ |
| 05793 | ZERG SR-6L-1 sw* | 7,6-9,1 | 4,0 | 17,5 | 15,9-17,4 | 14,0 | ■ |
| 05791 | ZERG SR-6N3-4 sw* | 8,3-9,1 | 1,6 | 14,7 | 15,9 | 14,0 | ■ |
| 05792 | ZERG SR-6P3-4 sw | 8,3-9,1 | 3,2 | 14,7 | 15,9 | 14,0 | ■ |
| 05794 | ZERG SR-7K-2 sw | 8,3-9,1 | 3,2 | 19,0 | 22,2 | 19,6 | ■ |
| 05795 | ZERG SR-7N-2 sw | 9,1-10,9 | 1,6 | 19,0 | 19,0-19,8 | 16,8 | ■ |
| 05796 | ZERG SR-7P-2 sw | 9,1-10,9 | 3,2 | 19,0 | 19,0-19,8 | 16,8 | ■ |
| 05797 | ZERG SR-7W-2 sw | 9,4-10,9 | 3,2 | 19,0 | 22,2 | 19,6 | ■ |
| 05799 | ZERG SR-31-2 sw | 10,8-12,1 | 3,2 | 20,6 | 22,2 | 21,3 | ■ |
| 05800 | ZERG SR-8N-1 sw | 13,5-15,3 | 1,6 | 20,8 | 22,2 | 21,3 | ■ |
| 05801 | ZERG SR-8P-2 sw | 13,5-15,3 | 3,2 | 20,8 | 22,2 | 21,3 | ■ |
| 05803 | ZERG SR-9P-2 sw | 15,2-16,3 | 7,1 | 25,4 | 27,7-28,6 | 25,4 | ■ |

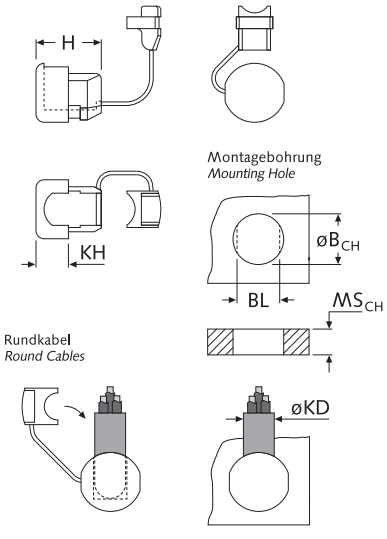
**mit VDE-Prüfbericht · Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +105°C
Material auf Anfrage: PA UL-94 V-2 □ weiß -40°C bis +105°C

## ZERW

### Rundkabel-Zugentlaster, rechtwinklig

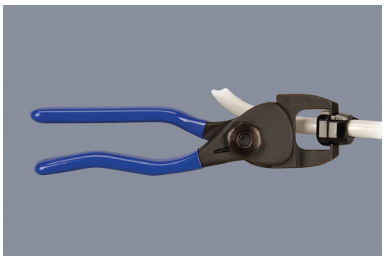
*Round cable strain relief bushings, right angle*




| Art.-Nr. schwarz | Artikel-Bez. für Rundkabel | KD ø | MS CH max | H | KH | B CH ø | BL | Farbe |
|---|---|---|---|---|---|---|---|---|
| 21801 | ZERW SR-15L-1 sw* | 6,3-7,4 | 2,5 | 17,5 | 10,3 | 12,7-13,1 | 11,4 | ■ |
| 22258 | ZERW SR-10-2 sw | 7,6-8,4 | 3,2 | 24,6 | 14,3 | 15,9 | 14,0 | ■ |
| 22259 | ZERW SR-11-2 sw | 8,3-9,0 | 3,2 | 24,6 | 14,3 | 15,9 | 14,0 | ■ |
| 22260 | ZERW SR-11K-2 sw | 8,3-9,0 | 5,1 | 24,6 | 14,3 | 15,9 | 14,0 | ■ |
| 22261 | ZERW SR-17-2 sw | 9,1-10,9 | 3,2 | 27,8 | 16,3 | 19,0-19,8 | 16,8 | ■ |

**mit VDE-Prüfbericht · Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +105°C



Passende Montagezangen für Zugentlaster:

| Art.-Nr. | Artikel-Bez. | B CH ø | Farbe |
|---|---|---|---|
| 03138 | ZE-WKZ-1 | 9,5-22,2 | ◪ |
| 25686 | ZE-WKZ-2 | 19,1-30,0 | ◪ |

*Unit: mm · MOQ 1x*

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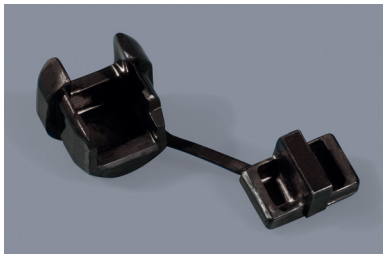
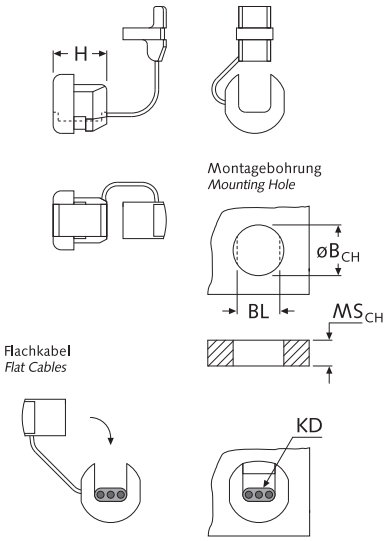
## ZEFG



### Flachkabel-Zugentlaster, gerade

*Flat cable strain relief bushings, straight*




| Art.-Nr. schwarz | Artikel-Bez. für Flachkabel | KD | MS CH max | H | B CH ø | BL | Farbe |
|---|---|---|---|---|---|---|---|
| 05804* | ZEFG SR-2P-4 sw* | 2,8x5,3 | 1,6 | 10,3 | 9,5 | 8,8 | ■ |
| 05805 | ZEFG SR-2L-1 sw | 2,8x5,3 | 3,2 | 10,3 | 9,5 | 8,8 | ■ |
| 05806 | ZEFG SR-3A-4 sw | 3,0x5,6 | 1,0 | 10,3 | 11,1 | 9,9 | ■ |
| 05807 | ZEFG SR-3P-4 sw | 3,0x5,6 | 1,6 | 10,3 | 11,1 | 9,9 | ■ |
| 05808 | ZEFG SR-3W-1 sw | 3,0x5,6 | 2,5 | 10,3 | 11,1 | 9,9 | ■ |
| 05810 | ZEFG SR-4P-4 sw | 3,0x5,6 | 2,5 | 11,5 | 12,7 | 11,3 | ■ |
| 05809 | ZEFG SR-3L-1 sw | 3,0x5,6 | 4,0 | 10,3 | 11,1 | 9,9 | ■ |
| 23982 | ZEFG SR-6N4-45 sw | 3,0x7,6 | 1,6 | 15,2 | 15,9 | 13,8 | ■ |
| 05811 | ZEFG SR-4A-6 sw | 3,8x7,6 | 1,0 | 13,9 | 12,7 | 11,8 | ■ |
| 05814 | ZEFG SR-4N-4 sw | 3,8x7,6 | 1,6 | 10,3 | 12,7 | 11,8 | ■ |
| 05812 | ZEFG SR-4N-6 sw | 3,8x7,6 | 1,6 | 13,9 | 12,7 | 11,8 | ■ |
| 05815 | ZEFG SR-4K-4 sw | 3,8x7,6 | 2,5 | 10,3 | 12,7 | 11,8 | ■ |
| 05813 | ZEFG SR-4K-6 sw | 3,8x7,6 | 2,5 | 13,9 | 12,7 | 11,8 | ■ |
| 05816 | ZEFG SR-4L-4 sw | 3,8x7,6 | 4,0 | 10,3 | 12,7 | 11,8 | ■ |
| 05817 | ZEFG SR-4K-1 sw | 4,1x8,6 | 2,4 | 12,7 | 12,7-13,1 | 11,7 | ■ |
| 05818 | ZEFG SR-4L-1 sw | 4,1x8,6 | 4,7 | 12,7 | 12,7-13,1 | 11,7 | ■ |
| 05820 | ZEFG SR-6N4-4 sw | 4,1x10,4 | 1,6 | 15,2 | 15,9 | 14,0 | ■ |
| 05822 | ZEFG SR-5W-1 sw | 4,1x10,4 | 3,2 | 15,5 | 14,3 | 13,5 | ■ |
| 05819 | ZEFG SR-5KN-4 sw | 5,0x10,4 | 1,6 | 15,5 | 14,3 | 13,5 | ■ |
| 03186 | ZEFG SR-5K-4 sw | 5,0x10,4 | 3,2 | 15,5 | 14,3 | 13,5 | ■ |
| 05826 | ZEFG SR-34-2 sw | 7,4x16,5 | 3,2 | 20,6 | 22,2 | 21,3 | ■ |
| 05824 | ZEFG SR-31-2 sw | 8,1x16,5 | 3,2 | 20,6 | 22,2 | 21,3 | ■ |

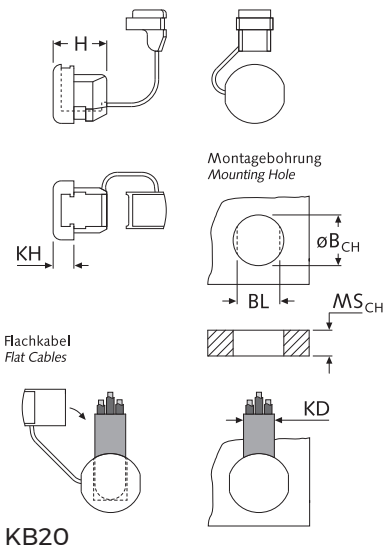
**mit VDE-Prüfbericht · Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +105°C
Material auf Anfrage: PA UL-94 V-2 □ weiß -40°C bis +105°C

## ZEFW

### Rundkabel-Zugentlaster, rechtwinklig

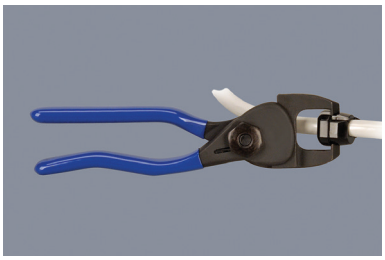
*Round cable strain relief bushings, right angle*




| Art.-Nr. schwarz | Artikel-Bez. für Flachkabel | KD | MS CH max | H | KH | B CH ø | BL | Farbe |
|---|---|---|---|---|---|---|---|---|
| 14764 | ZEFW SR-13L-1 sw | 3,0x5,6 | 1,6 | 12,7 | 6,0 | 11,1 | 9,9 | ■ |
| 22251 | ZEFW SR-14L-1 sw | 3,8-4,1x7,1-7,6 | 2,5 | 17,5 | 10,3 | 12,7 | 11,4 | ■ |
| 22252 | ZEFW SR-16L-1 sw | 3,8x10,2 | 3,2 | 22,2 | - | 14,3 | 13,3 | ■ |
| 22253 | ZEFW SR-20-1 sw | 4,8-5,1x8,8-11,0 | 2,0 | 20,6 | 10,3 | 18,5 | 14,2 | ■ |
| 22254 | ZEFW SR-20L-1 sw | 4,8-5,1x8,8-11,0 | 3,2 | 20,6 | 10,3 | 18,5 | 14,2 | ■ |
| 22255 | ZEFW SR-23-1 sw | 5,0-6,1x9,0x13,0 | 3,2 | 23,8 | 12,3 | 22,2 | 19,0 | ■ |
| 22256 | ZEFW SR-24-1 sw | 6,0-7,4x10,0-16,5 | 3,2 | 24,6 | 12,7 | 22,2 | 21,3 | ■ |
| 22257 | ZEFW SR-21-2 sw | 8,0x16,8 | 3,2 | 36,5 | 18,7 | 28,0 | 25,4 | ■ |

*Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +105°C
Material auf Anfrage: PA UL-94 V-2 □ weiß -40°C bis +105°C



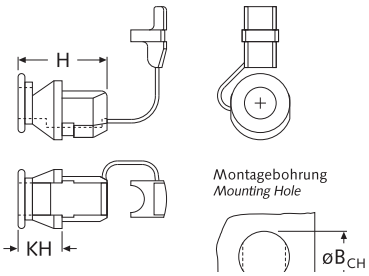
Passende Montagezangen für Zugentlaster:

| Art.-Nr. | Artikel-Bez. | B CH ø | Farbe |
|---|---|---|---|
| 03138 | ZE-WKZ-1 | 9,5-22,2 | ■ |
| 25686 | ZE-WKZ-2 | 19,1-30,0 | ■ |

*Unit: mm · MOQ 1x*

## ZERG G

**Zugentlaster, mit Knickschutz, gerade**
*Cable strain relief bushings with kink protection, straight*



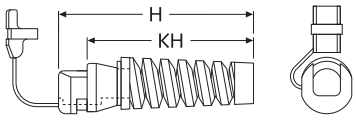

| Art.-Nr. schwarz | Artikel-Bez. | KD | MS CH max | H | KH | B CH Ø | BL | Farbe |
|---|---|---|---|---|---|---|---|---|
| Für Rundkabel *For Round Cables* | | | | | | | | |
| 25516 | ZERG G-SR-5N-5 | ø 6,3-7,4 | 1,6 | 17,5 | 10,3 | 12,7-13,1 | 11,4 | ■ |
| 25517 | ZERG G-SR-6P-5 | ø 7,6 | 3,2 | 20,6 | 10,3 | 15,9 | 14,0 | ■ |
| 25518 | ZERG G-SR-6P2-5 | ø 8,0-8,1 | 3,2 | 20,6 | 10,3 | 15,9 | 14,0 | ■ |
| 25519 | ZERG G-SR-6N3-5 | ø 8,2-9,1 | 1,6 | 20,6 | 10,3 | 15,9 | 14,0 | ■ |
| 25520 | ZERG G-SR-6P3-5 | ø 8,2-9,1 | 3,2 | 20,6 | 10,3 | 15,9 | 14,0 | ■ |
| Für Flachkabel *For Flat Cables* | | | | | | | | |
| 25521 | ZEFG G-SR-2P-5 | 2,3-2,8x4,6-5,3 | 1,6 | 15,9 | 9,5 | 9,5 | 8,4 | ■ |
| 25522 | ZEFG G-SR-3P-5 | 3,0x5,6 | 1,6 | 15,9 | 9,5 | 11,1 | 9,9 | ■ |
| 25523 | ZEFG G-SR-4N-5 | 3,0-4,1x7,6 | 1,6 | 17,8 | 10,3 | 12,7-13,1 | 11,8 | ■ |
| 25524 | ZEFG G-SR-6K-5 | 3,8-4,1x8,6-10,4 | 3,2 | 20,6 | 10,3 | 15,9 | 14,0 | ■ |

*Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +105°C
Material auf Anfrage: PA UL-94 V-2 □ weiß -40°C bis +105°C

## ZERGK

**Zugentlaster, mit Spiral-Knickschutz**
*Cable strain relief bushings with nylon spring kink protection*

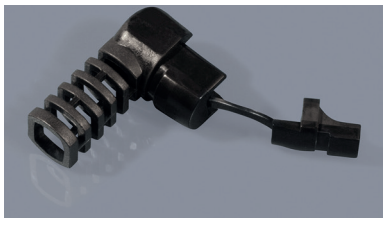



| Art.-Nr. schwarz | Artikel-Bez. | KD | MS CH max | H | KH | B CH Ø | BL | Farbe |
|---|---|---|---|---|---|---|---|---|
| Für Rundkabel *For Round Cables* | | | | | | | | |
| 11033 | ZERGK SR-5N-7 sw | ø 6,4-7,4 | 1,6 | 50,4 | 43,3 | 12,7-13,1 | 11,4 | ■ |
| 11034 | ZERGK SR-5P-7 sw | ø 6,4-7,4 | 3,2 | 50,4 | 43,3 | 12,7-13,1 | 11,4 | ■ |
| 11035 | ZERGK SR-6N-7 sw | ø 7,6 | 1,6 | 53,6 | 43,6 | 15,9 | 14,0 | ■ |
| 11036 | ZERGK SR-6P-7 sw | ø 7,6 | 3,2 | 53,6 | 43,6 | 15,9 | 14,0 | ■ |
| 11037 | ZERGK SR-6N3-7 sw | ø 8,0-9,1 | 1,6 | 53,6 | 43,6 | 15,9 | 14,0 | ■ |
| 11038 | ZERGK SR-6P3-7 sw | ø 8,0-9,1 | 3,2 | 53,6 | 43,6 | 15,9 | 14,0 | ■ |
| 11039 | ZERGK SR-7P-7 sw | ø 9,1-10,9 | 3,2 | 53,6 | 43,6 | 19,0-19,8 | 16,8 | ■ |
| Für Flachkabel *For Flat Cables* | | | | | | | | |
| 11040 | ZEFGK SR-4N-7 sw | 3,0-3,8x7,1-7,6 | 1,6 | 50,4 | 43,7 | 12,7 | 11,8 | ■ |

*Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +105°C
Material auf Anfrage: PA UL-94 V-2 □ weiß -40°C bis +105°C

## ZEFW

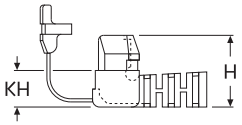


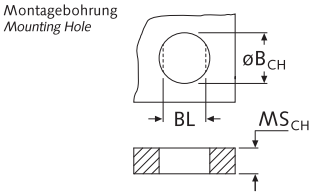
**Flachkabel-Zugentlaster, rechtwinklig, mit Knickschutz** *Flat cable strain relief bushings with kink protection, right angle*

| Art.-Nr. schwarz | Artikel-Bez. für Flachkabel | KD | B CH Ø | BL | MS CH | H | KH | Farbe |
|---|---|---|---|---|---|---|---|---|
| 20138 | ZEFW SR-Fx42LF sw | 3,3x6,6 | 12,7 | 10,9 | 1,5-2,0 | 20,5 | 10,4 | ■ |
| | | 3,6x7,2 | 13,2 | | | | | |

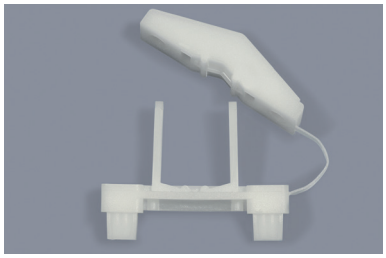
*Unit: mm · MOQ 1.000x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +105°C



## ZEXG



Universal-Zugentlaster, gerade

*Universal cable strain reliefs, straight*

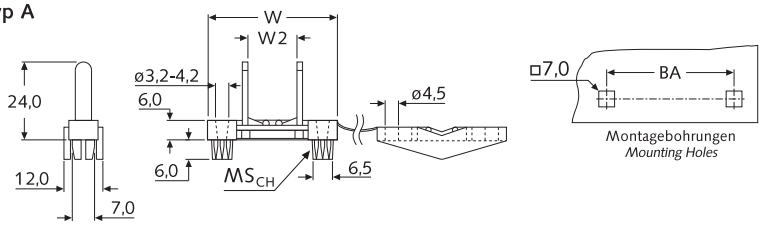
| Art.-Nr. | Artikel-Bez. für Rund- + Flachkabel | KD max | $MS_{CH}$ | W | W2 | BA | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|
| 19179 | ZEXG 15x15/31 PA na | 15,0x15,0 | 0,6-1,5 | 40,0 | 15,0 | 31,0 | A | □ |
| 25754 | ZEXG 17x21/31 PA na | 21,0x17,0 | 0,6-1,5 | 42,0 | 21,0 | 31,0 | A | □ |
| 19180 | ZEXG 17x21/37 PA sw | 21,0x17,0 | 0,8-2,8 | 46,0 | 21,0 | 37,0 | B | ■ |
| 25761 | ZEXG 21x21/31 PA sw | 21,0x21,0 | 0,6-1,5 | 42,0 | 21,0 | 31,0 | A | ■ |

*Lieferung ohne Schrauben · UL-Listung a. A. · Unit: mm · MOQ 100x*

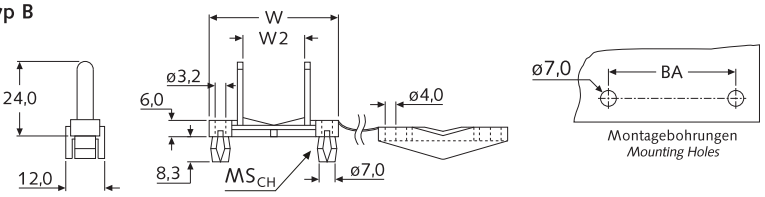
**Standard-Material:** PA □ natur -40°C bis +75°C
PA ■ schwarz -40°C bis +75°C

**Zu verwendende Schrauben:** ISO-Nr. 7; ø3,9 DIN 7981
ISO-Nr. 8; ø4,2 DIN 7981
Länge min. 19 mm bis max. 32 mm

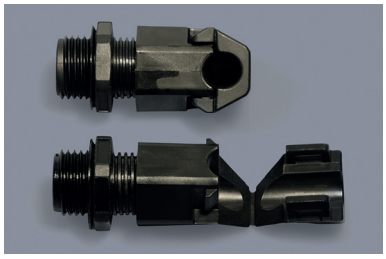
Typ A




Typ B




## KAVW



Kabelverschraubungen mit IP68

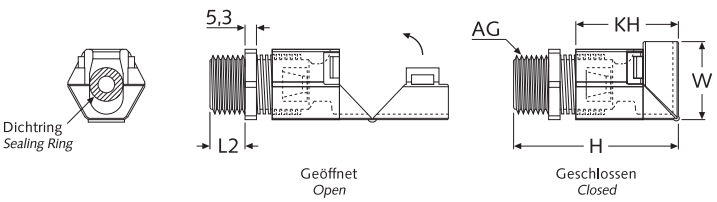
*Cable glands with IP68 rating*

**Standard-Material:**
PA UL-94 V-0 ■ schwarz / ■ grau
-40°C bis +80°C (kurzfristig bis +100°C)
Dichtring: Perbunan

**Hinweis:**
- Kann als Durchführung oder Zugentlastung eingesetzt werden.
- Im offenen Zustand kann das Kabel mühelos in das Gerät eingeführt werden. Danach wird die Kabelverschraubung geschlossen, wobei das Kabel ohne Beschädigung um 90 Grad gebogen wird.
- Schutzklasse: IP68 (nach DIN40050)
- Lieferung ohne Gegenmutter

| Art.-Nr. schwarz | Art.-Nr. grau | Artikel-Bez. | AG | KD ø | L2 | W | H | KH |
|---|---|---|---|---|---|---|---|---|
| 25346 | 25347 | KAVW M12/ 5,3 "Farbe" | M12 | 1,7-5,3 | 8,1 | 17,5 | 38,8 | 21,8 |
| 25348 | 25349 | KAVW M12/ 6,4 "Farbe" | M12 | 2,9-6,4 | 8,1 | 17,5 | 38,8 | 21,8 |
| 25350 | 25351 | KAVW M16/ 5,8 "Farbe" | M16 | 1,7-5,8 | 8,1 | 22,4 | 45,0 | 27,2 |
| 25352 | 25353 | KAVW M16/ 8,0 "Farbe" | M16 | 2,7-8,0 | 8,1 | 22,4 | 45,0 | 27,2 |
| 25354 | 25355 | KAVW M20/ 7,4 "Farbe" | M20 | 2,4-7,4 | 10,4 | 26,9 | 56,4 | 35,1 |
| 25356 | 25357 | KAVW M20/11,4 "Farbe" | M20 | 4,3-11,4 | 10,4 | 26,9 | 56,4 | 35,1 |

*Lieferung ohne Gegenmutter · Unit: mm · MOQ 50x*

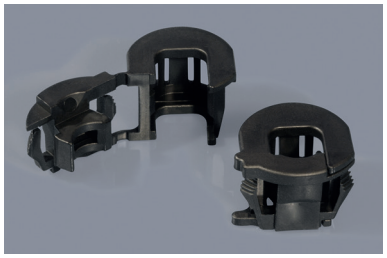



Passende Gegenmuttern:

| Art.-Nr. schwarz | Art.-Nr. grau | Artikel-Bez. | IG | SW |
|---|---|---|---|---|
| 08631 | 08639 | DIN 46320 PA M12x1,5 | M12 | 17 |
| 08632 | 08640 | DIN 46320 PA M16x1,5 | M16 | 22 |
| 08633 | 08641 | DIN 46320 PA M20x1,5 | M20 | 26 |

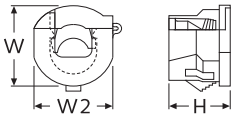
*weitere Muttern siehe Kapitel „Montagezubehör" · Unit: mm · MOQ 100x*

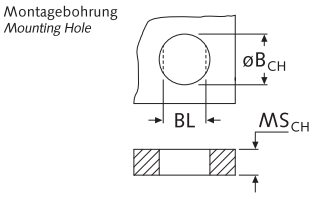
## ZERG V



Rundkabel-Zugentlaster, zur Vormontage am Kabel, für runde Bohrungen

*Round cable strain relief bushings, snap-on cable installation for round holes*



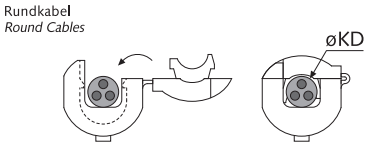

| Art.-Nr. schwarz | Artikel-Bez. für Rundkabel | KD ø | MS CH | H | W | W2 | B CH ø | BL | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 25511 | ZERG V053/25 sw | 3,3-5,3 | 0,8-2,5 | 14,0 | 17,4 | 16,4 | 15,9 | 14,0 | ■ |
| 24167 | ZERG V074/25 sw | 5,6-7,4 | 0,8-2,5 | 14,0 | 17,4 | 16,4 | 15,9 | 14,0 | ■ |
| NEW 25512 | ZERG V098/34 sw | 7,4-9,8 | 2,0-3,4 | 18,3 | 24,4 | 23,4 | 22,2 | 19,6 | ■ |
| 24168 | ZERG V098/40 sw | 7,4-9,8 | 0,8-4,0 | 18,3 | 24,4 | 23,4 | 22,2 | 19,6 | ■ |
| NEW 25513 | ZERG V109/34 sw | 8,6-10,9 | 2,0-3,4 | 18,3 | 24,4 | 23,4 | 22,2 | 19,6 | ■ |
| 24169 | ZERG V109/40 sw | 8,6-10,9 | 0,8-4,0 | 18,3 | 24,4 | 23,4 | 22,2 | 19,6 | ■ |
| 25514 | ZERG V121/40 sw | 10,8-12,1 | 0,8-4,0 | 18,3 | 24,4 | 23,4 | 22,2 | 19,6 | ■ |
| 25515 | ZERG V153/48 sw | 13,5-15,3 | 1,6-4,8 | 23,4 | 30,5 | 25,4 | 28,2 | 25,4 | ■ |
| NEW 51610 | ZERG V178/48 sw | 15,2-17,8 | 1,6-4,8 | 31,8 | 33,8 | 31,2 | 28,2 | 25,4 | ■ |
| NEW 51611 | ZERG V211/48 sw | 18,3-21,1 | 1,6-4,8 | 33,3 | 36,6 | 33,3 | 31,8 | 28,6 | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +105°C
Material auf Anfrage: PA UL-94 V-2 □ weiß -40°C bis +105°C

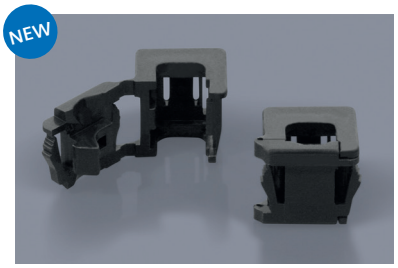
**Hinweis:**

- Je nach Kabeldurchmesser ist zur Vormontage eine Montagehilfe notwendig, um die nötige Presskraft aufbringen zu können.
- Auf Anfrage können wir Ihnen ein passendes Werkzeug anbieten.



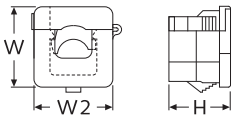

## ZERG VE

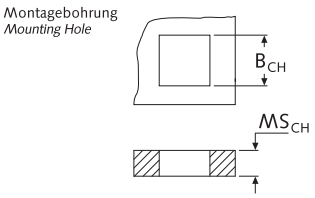
NEW



Rundkabel-Zugentlaster, zur Vormontage am Kabel, für rechteckige Bohrungen

*Round cable strain relief bushings, snap-on cable installation for rectangular holes*



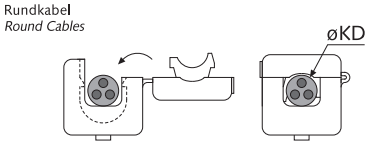

| Art.-Nr. schwarz | Artikel-Bez. für Rundkabel | KD ø | MS CH | H | W | W2 | B CH | Farbe |
|---|---|---|---|---|---|---|---|---|
| 21382 | ZERG VE074/25 sw | 5,6-7,4 | 0,8-2,5 | 14,0 | 13,0 | 14,2 | 13,0x11,5 | ■ |
| 21383 | ZERG VE091/40 sw | 7,4-9,4 | 0,8-4,0 | 18,3 | 19,3 | 19,3 | 17,5x17,5 | ■ |
| 21384 | ZERG VE106/40 sw | 9,0-10,6 | 0,8-4,0 | 18,3 | 19,3 | 19,3 | 17,5x17,5 | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +105°C
Material auf Anfrage: PA UL-94 V-2 □ weiß -40°C bis +105°C

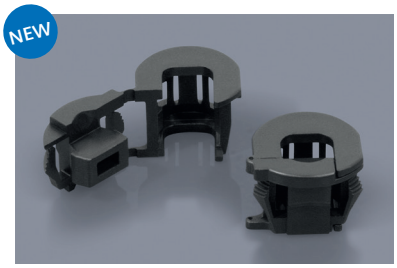
**Hinweis:**

- Je nach Kabeldurchmesser ist zur Vormontage eine Montagehilfe notwendig, um die nötige Presskraft aufbringen zu können.
- Auf Anfrage können wir Ihnen ein passendes Werkzeug anbieten.



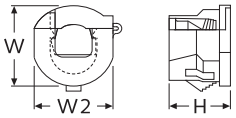
## ZEFG V

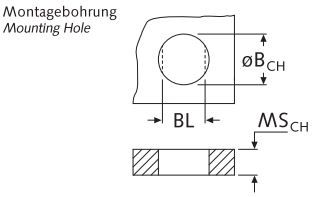
NEW



Flachkabel-Zugentlaster, zur Vormontage am Kabel, für runde Bohrungen

*Flat cable strain relief bushings, snap-on cable installation for round holes*



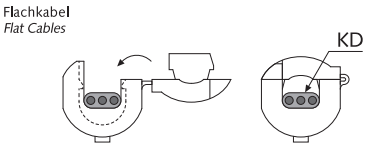

| Art.-Nr. schwarz | Artikel-Bez. für Flachkabel | KD | MS CH | H | W | W2 | B CH Ø | BL | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 51612 | ZEFG V076/25 sw | 2,9-4,1x7,6-8,0 | 0,8-2,5 | 14,0 | 17,4 | 16,4 | 15,9 | 14,0 | ■ |
| 51613 | ZEFG V080/25 sw | 2,7-2,9x5,6-8,0 | 0,8-2,5 | 14,0 | 17,4 | 16,4 | 15,9 | 14,0 | ■ |
| 51614 | ZEFG V107/34 sw | 3,8-6,1x8,6-10,9 | 2,0-3,4 | 18,3 | 24,4 | 23,4 | 22,2 | 19,6 | ■ |
| 51615 | ZEFG V107/40 sw | 3,8-6,1x8,6-10,9 | 0,8-4,0 | 18,3 | 24,4 | 23,4 | 22,2 | 19,6 | ■ |
| 51616 | ZEFG V107/48 sw | 3,8-6,1x8,6-10,9 | 1,6-4,8 | 23,4 | 30,5 | 29,2 | 28,2 | 25,4 | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

| | | | | |
|---|---|---|---|---|
| **Standard-Material:** | PA | UL-94 V-2 | ■ schwarz | -40°C bis +105°C |
| Material auf Anfrage: | PA | UL-94 V-2 | □ weiß | -40°C bis +105°C |

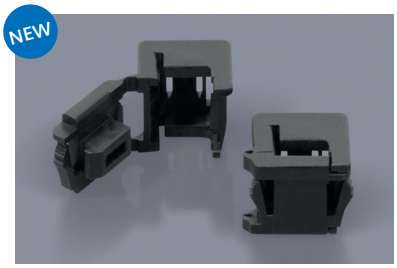
**Hinweis:**

- Je nach Kabeldurchmesser ist zur Vormontage eine Montagehilfe notwendig, um die nötige Presskraft aufbringen zu können.
- Auf Anfrage können wir Ihnen ein passendes Werkzeug anbieten.



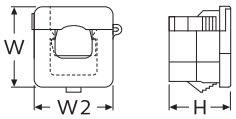

## ZEFG VE

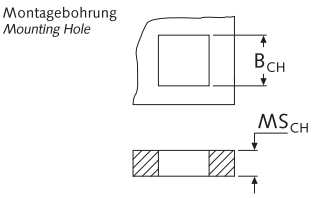
NEW



Flachkabel-Zugentlaster, zur Vormontage am Kabel, für rechteckige Bohrungen

*Flat cable strain relief bushings, snap-on cable installation for rectangular holes*



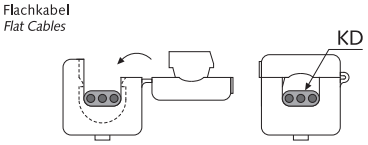

| Art.-Nr. schwarz | Artikel-Bez. für Flachkabel | KD | MS CH | H | W | W2 | B CH | Farbe |
|---|---|---|---|---|---|---|---|---|
| 21379 | ZEFG VE069/25 sw | 0,8-3,3x2,5-9,7 | 0,8-2,5 | 14,0 | 13,0 | 15,5 | 16,0x11,5 | ■ |
| 21378 | ZEFG VE076/25 sw | 3,0-4,1x5,6-7,6 | 0,8-2,5 | 14,0 | 13,0 | 14,2 | 13,0x11,5 | ■ |
| 21380 | ZEFG VE107/40 sw | 3,8-6,1x8,6-10,9 | 0,8-4,0 | 18,3 | 19,3 | 19,3 | 17,5x17,5 | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

| | | | | |
|---|---|---|---|---|
| **Standard-Material:** | PA | UL-94 V-2 | ■ schwarz | -40°C bis +105°C |
| Material auf Anfrage: | PA | UL-94 V-2 | □ weiß | -40°C bis +105°C |

**Hinweis:**

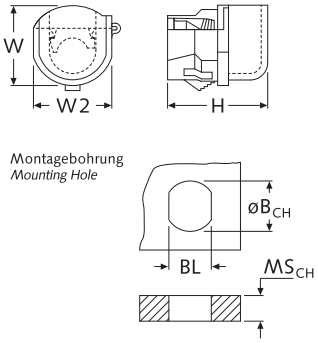
- Je nach Kabeldurchmesser ist zur Vormontage eine Montagehilfe notwendig, um die nötige Presskraft aufbringen zu können.
- Auf Anfrage können wir Ihnen ein passendes Werkzeug anbieten.



## ZERW V

Rundkabel-Zugentlaster, zur Vormontage am Kabel, rechtwinklig

*Round cable strain relief bushings, snap-on cable installation, right angle*




| Art.-Nr. schwarz | Artikel-Bez. für Rundkabel | KD ø | MS CH | H | W | W2 | B CH ø | BL | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 51620 | ZERW V053/25 sw | 3,3-5,3 | 0,8-2,5 | 22,6 | 17,4 | 16,4 | 15,9 | 14,0 | ■ |
| 51621 | ZERW V074/25 sw | 5,6-7,4 | 0,8-2,5 | 22,6 | 17,4 | 16,4 | 15,9 | 14,0 | ■ |
| 51622 | ZERW V098/40 sw | 7,4-9,8 | 0,8-4,0 | 29,0 | 24,4 | 23,4 | 22,2 | 19,6 | ■ |
| 51623 | ZERW V109/40 sw | 8,6-10,9 | 0,8-4,0 | 30,8 | 24,4 | 23,4 | 22,2 | 19,6 | ■ |

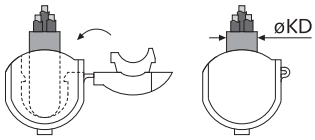
*weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +105°C
Material auf Anfrage: PA UL-94 V-2 □ weiß -40°C bis +105°C

**Hinweis:**

- Je nach Kabeldurchmesser ist zur Vormontage eine Montagehilfe notwendig, um die nötige Presskraft aufbringen zu können.
- Auf Anfrage können wir Ihnen ein passendes Werkzeug anbieten.

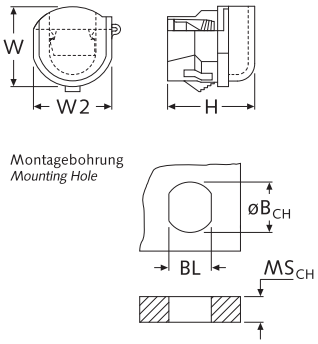
Rundkabel
*Round Cables*




## ZEFW V

Flachkabel-Zugentlaster, zur Vormontage am Kabel, rechtwinklig

*Flat cable strain relief bushings, snap-on cable installation, right angle*




| Art.-Nr. schwarz | Artikel-Bez. für Flachkabel | KD | MS CH | H | W | W2 | B CH ø | BL | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 51625 | ZEFW V076/25 sw | 2,7-2,9x5,6-8,0 | 0,8-2,5 | 19,9 | 17,4 | 16,4 | 15,9 | 14,0 | ■ |
| 51624 | ZEFW V080/25 sw | 2,9-4,1x7,6-8,0 | 0,8-2,5 | 19,9 | 17,4 | 16,4 | 15,9 | 14,0 | ■ |
| 51626 | ZEFW V107/40 sw | 3,8-6,1x8,6-10,9 | 0,8-4,0 | 27,8 | 24,4 | 23,4 | 22,2 | 19,6 | ■ |

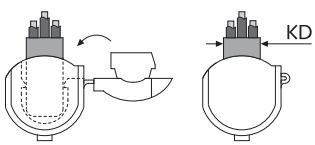
*weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +105°C
Material auf Anfrage: PA UL-94 V-2 □ weiß -40°C bis +105°C

**Hinweis:**

- Je nach Kabeldurchmesser ist zur Vormontage eine Montagehilfe notwendig, um die nötige Presskraft aufbringen zu können.
- Auf Anfrage können wir Ihnen ein passendes Werkzeug anbieten.

Flachkabel
*Flat Cables*

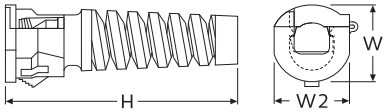


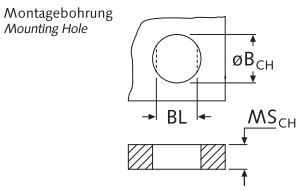
## ZERG-KS V + ZEFG-KS V

NEW

Zugentlaster, zur Vormontage am Kabel mit Knickschutz, für runde Bohrungen

*Cable strain relief bushings, snap-on cable installation for round holes*



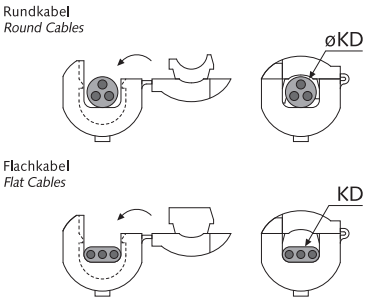

| Art.-Nr. schwarz | Artikel-Bez. | KD | MS CH | H | W | W2 | B CH ø | BL | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| Für Rundkabel *For Round Cables* | | | | | | | | | |
| 51619 | ZERG-KS V074/25 sw | ø 5,6-7,4 | 0,8-2,5 | 54,7 | 16,8 | 18,0 | 15,9 | 14,0 | ■ |
| Für Flachkabel *For Flat Cables* | | | | | | | | | |
| 51617 | ZEFG-KS V076/25 sw | 2,7-2,9x5,6-8,0 | 0,8-2,5 | 54,7 | 16,8 | 18,0 | 15,9 | 14,0 | ■ |
| 51618 | ZEFG-KS V080/25 sw | 2,9-4,1x7,6-8,0 | 0,8-2,5 | 54,7 | 16,8 | 18,0 | 15,9 | 14,0 | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100/500x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +105°C
Material auf Anfrage: PA UL-94 V-2 □ weiß -40°C bis +105°C

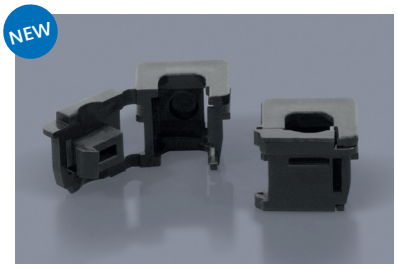
**Hinweis:**

- Je nach Kabeldurchmesser ist zur Vormontage eine Montagehilfe notwendig, um die nötige Presskraft aufbringen zu können.
- Auf Anfrage können wir Ihnen ein passendes Werkzeug anbieten.



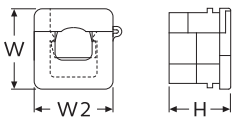

## ZEFRG VE

NEW



Zugentlaster, zur Vormontage am Kabel, für U-förmige Bohrungen

*Cable strain relief bushings, snap-on cable installation for U-shaped holes*



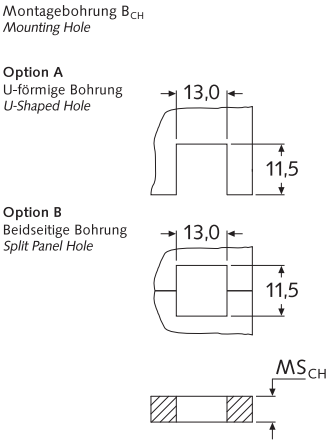

| Art.-Nr. schwarz | Artikel-Bez. für Rund- + Flachkabel + | KD ø | MS CH | H | W | W2 | B CH | Farbe |
|---|---|---|---|---|---|---|---|---|
| 21381 | ZEFRG VE076/16 sw | 5,6-7,4 | 1,6 | 14,0 | 14,0 | 15,2 | 13,0x11,5 | ■ |

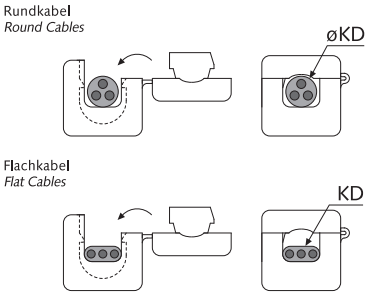
*weitere Abmessungen a. A. · Unit: mm · MOQ 1.000x*

**Standard-Material:** PA UL-94 V-2 ■ schwarz -40°C bis +105°C

**Hinweis:**

- Je nach Kabeldurchmesser ist zur Vormontage eine Montagehilfe notwendig, um die nötige Presskraft aufbringen zu können.
- Auf Anfrage können wir Ihnen ein passendes Werkzeug anbieten.



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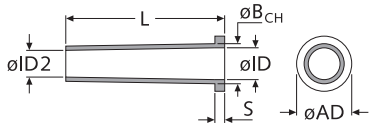
KST

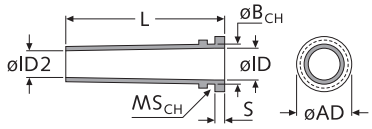
Knickschutztüllen aus Gummi

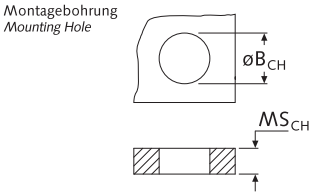
*Kink protection rubber sleeves*

Typ A




Typ B



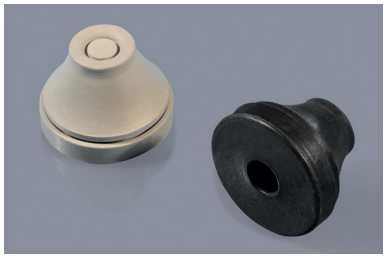

**Hinweis:** Die abgebildeten Zeichnungen sind nur schematische Darstellung der jeweiligen Knickschutztüllen. Eine Abbildung der genauen Bauform ist im Internet bei den jeweiligen Artikeln zu finden.

| Art.-Nr. | Artikel-Bez. | ID2 ø | ID ø | $B_{CH}$ ø | $MS_{CH}$ max | AD ø | S | L | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|
| NEW 54084 | KST 016063/063160 TPE sw | 1,6 | 4,2 | - | - | 6,3 | - | 16,0 | A | ■ |
| 18961 | KST 017035/054086 EPDM sw | 1,7 | 1,7 | 3,5 | 1,5 | 5,4 | 1,0 | 8,6 | B | ■ |
| NEW 53198 | KST 028090/100385 TPE sw | 2,8 | 6,0 | 9,0 | 2,0 | 10,0 | 2,0 | 38,5 | B | ■ |
| 19909 | KST 030090/130370 PVC sw | 3,0 | 5,5 | 9,0 | - | 13,0 | 2,5 | 37,0 | A | ■ |
| 18962 | KST 030050/068180 EPDM sw | 3,0 | 3,0 | 5,0 | 2,0 | 6,8 | 2,1 | 18,0 | B | ■ |
| 18963 | KST 035068/091147 EPDM sw | 3,5 | 3,5 | 6,8 | 1,5 | 9,1 | 2,1 | 14,7 | B | ■ |
| 08383 | KST 040062/080220 Neopr. sw | 4,0 | 4,0 | 6,2 | - | 8,0 | 1,0 | 22,0 | A | ■ |
| 43344 | KST 050080/110290 PVC sw | 5x2,5 | 5,0 | 8,0 | 2,0 | 11,0 | 2,5 | 29,0 | B | ■ |
| 11817 | KST 050080/110420 Neopr. sw | 5,0 | 5,0 | 8,0 | 3,5 | 11,0 | 2,5 | 42,0 | B | ■ |
| 11820 | KST 050100/125410 Neopr. sw | 5,0 | 8,0 | 10,0 | 2,0 | 12,5 | 2,8 | 41,0 | B | ■ |
| 11727 | KST 050100/140150 Neopr. sw | 5,0 | 7,0 | 10,0 | 1,0 | 14,0 | 2,0 | 15,0 | B | ■ |
| 27890 | KST 050134/175900 Neopr. sw | 5,0 | 6,6 | 13,4 | - | 17,5 | 2,7 | 90,0 | A | ■ |
| 46076 | KST 050130/160430 Silikon sw | 5,0 | 11,0 | 13,0 | - | 16,0 | 2,0 | 43,0 | A | ■ |
| 07151 | KST 053090/130370 PVC sw | 5,3 | 5,5 | 9,0 | - | 13,0 | 2,5 | 37,0 | A | ■ |
| 50642 | KST 054091/120250 EPDM sw | 5,4 | 6,0 | 9,1 | 2,0 | 12,0 | 2,0 | 25,0 | B | ■ |
| 11748 | KST 055080/110440 PVC sw | 5,5 | 5,5 | 8,0 | 3,0 | 11,0 | 2,0 | 44,0 | B | ■ |
| 52300 | KST 055080/110440 TPE sw | 5,5 | 5,5 | 8,0 | 3,0 | 11,0 | 2,0 | 44,0 | B | ■ |
| 11818 | KST 060080/110420 Neopr. sw | 6,0 | 6,0 | 8,0 | 3,5 | 11,0 | 2,5 | 42,0 | B | ■ |
| 11816 | KST 060083/120228 Neopr. sw | 6,0 | 6,0 | 8,3 | 0,8 | 12,0 | 2,0 | 22,8 | B | ■ |
| 02028 | KST 060090/140215 Neopr. sw | 6,0 | 6,0 | 9,0 | 2,5 | 14,0 | 2,0 | 21,5 | B | ■ |
| 13706 | KST 060150/200580 PVC sw | 6,0 | 12,0 | 15,0 | - | 20,0 | 3,0 | 58,0 | A | ■ |
| 07054 | KST 062100/140900 TPE sw | 6,2 | 6,2 | 10,0 | - | 14,0 | 2,0 | 90,0 | A | ■ |
| 29990 | KST 063095/130500 EPDM sw | 6,3 | 7,5 | 9,5 | - | 13,0 | 2,3 | 50,0 | A | ■ |
| 37533 | KST 063095/130500 EPDM we | 6,3 | 7,5 | 9,5 | - | 13,0 | 2,3 | 50,0 | A | □ |
| 05262 | KST 065100/140600 Neopr. sw | 6,5 | 6,5 | 10,0 | - | 14,0 | 2,0 | 60,0 | A | ■ |
| 51827 | KST 068115/150700 EPDM we | 6,8 | 6,8 | 11,5 | 7,5 | 15,0 | 3,0 | 70,0 | B | □ |
| 11819 | KST 070090/110420 Neopr. sw | 7,0 | 7,0 | 9,0 | 3,5 | 11,0 | 2,5 | 42,0 | B | ■ |
| 11821 | KST 070100/150500 Neopr. sw | 7,0 | 7,0 | 10,0 | 8,5 | 15,0 | 2,0 | 50,0 | B | ■ |
| 43492 | KST 070110/200690 Neopr. sw | 7,0 | 8,0 | 13,0 | - | 20,0 | 4,5 | 69,0 | A | ■ |
| 11822 | KST 075100/110460 PVC sw | 7,5 | 7,5 | 10,0 | - | 11,0 | 2,0 | 46,0 | A | ■ |
| 05263 | KST 075100/140600 Neopr. sw | 7,5 | 7,5 | 10,0 | - | 14,0 | 2,0 | 60,0 | A | ■ |
| 11728 | KST 075120/160180 Neopr. sw | 7,5 | 9,0 | 12,0 | - | 16,0 | 3,0 | 18,0 | A | ■ |
| 43493 | KST 080114/150505 Neopr. sw | 8,0 | 8,5 | 11,4 | - | 15,0 | 3,5 | 50,5 | A | ■ |
| 11824 | KST 080120/160850 PVC sw | 8,0 | 8,0 | 12,0 | - | 16,0 | 6,0 | 85,0 | A | ■ |
| 14403 | KST 080120/160850 TPE sw | 8,0 | 8,0 | 12,0 | - | 16,0 | 6,0 | 85,0 | A | ■ |
| 19910 | KST 080120/180435 TPE sw | 8,0 | 8,0 | 12,0 | 2,0 | 16,0 | 8,5 | 43,5 | B | ■ |
| 11823 | KST 080150/200580 PVC sw | 8,0 | 12,0 | 15,0 | - | 20,0 | 3,0 | 58,0 | A | ■ |
| 42294 | KST 080155/185720 Neopr. sw | 8,0 | 12,0 | 15,5 | - | 18,5 | 4,0 | 72,0 | A | ■ |
| 42295 | KST 085110/150610 Neopr. sw | 8,5 | 8,5 | 11,0 | 3,0 | 15,0 | 3,0 | 61,0 | B | ■ |
| 26963 | KST 095145/175800 Neopr. sw | 9,5 | 9,5 | 14,5 | 3,0 | 17,5 | 7,0 | 80,0 | B | ■ |
| 22113 | KST 060165/180265 Neopr. sw | 6,0 | 14,0 | 16,5 | - | 18,0 | 2,0 | 26,5 | A | ■ |
| 22112 | KST 080210/300240 Neopr. sw | 8,0 | 16,0 | 21,0 | 4,0 | 30,0 | 2,0 | 24,0 | B | ■ |
| 22114 | KST 110200/300770 Neopr. sw | 11,0 | 15,0 | 20,0 | 3,0 | 30,0 | 5,0 | 77,0 | B | ■ |

*weitere Abmessungen und Materialien a. A. · Unit: mm · MOQ 100x*

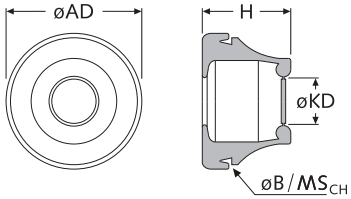
| **Standard-Material:** | | | | |
|---|---|---|---|---|
| | Weich-PVC | ■ schwarz | -30°C bis +70°C | |
| | Neopren | ■ schwarz | -30°C bis +90°C | |
| | EPDM | ■ schwarz / □ weiß | -40°C bis +120°C | |
| | TPE | ■ schwarz | -50°C bis +125°C | UL-94 HB |
| | Silikon | ■ schwarz | -40°C bis +200°C | UL-94 HB |

## ARV SNAP



Kabel-Durchführungen mit IP66/IP67

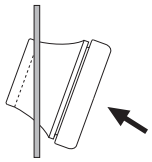
*Cable grommets with IP66/IP67 rating*



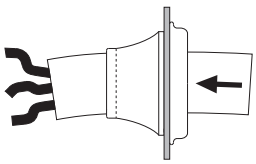

| Art.-Nr. EPDM grau | Art.-Nr. EPDM schwarz | Art.-Nr. Chloropren schwarz | Art.-Nr. Silikon schwarz | Nenn-maß | $B_{CH}$ ø | $MS_{CH}$ | KD ø | H | AD ø |
|---|---|---|---|---|---|---|---|---|---|
| 02400* | 34930* | 06121* | 03085* | M12 | 12,5 | 0,8-2,0 | 3,0-5,0 | 17,0 | 20,0 |
| 01428* | 34931* | 06122* | 06132* | M16 | 16,5 | 1,0-4,0 | 5,0-7,0 | 18,4 | 21,0 |
| 05762 | 34920 | 06123 | 06133 | M20 | 20,5 | 1,0-4,0 | 7,0-10,0 | 20,5 | 25,5 |
| 05763 | 34921 | 06124 | 06138 | M25 | 25,5 | 1,0-4,0 | 10,0-14,0 | 22,5 | 31,0 |
| 05764 | 34922 | 06125 | 06135 | M32 | 32,5 | 1,0-4,0 | 14,0-20,0 | 25,5 | 39,0 |
| 05765 | 34923 | 06126 | 06136 | M40 | 40,5 | 1,0-4,0 | 20,0-26,0 | 32,0 | 49,0 |
| 33833 | 34924 | 33832 | 33834 | M50 | 50,5 | 1,0-4,0 | 26,0-35,0 | 37,5 | 60,5 |
| 02400* | 34930* | 06121* | 03085* | PG7 | 12,5 | 0,8-2,0 | 3,0-5,0 | 17,0 | 20,0 |
| 01428* | 34931* | 06122* | 06132* | PG9 | 16,5 | 1,0-4,0 | 5,0-7,0 | 18,4 | 21,0 |
| 01427 | 34925 | 06127 | 06137 | PG11 | 19,0 | 1,0-4,0 | 7,0-10,0 | 19,5 | 24,0 |
| 02401 | 34926 | 06128 | 06134 | PG16 | 23,0 | 1,0-4,0 | 10,0-14,0 | 22,5 | 28,0 |
| 02402 | 34927 | 06129 | 06139 | PG21 | 29,0 | 1,0-4,0 | 14,0-20,0 | 24,5 | 35,0 |
| 02403 | 34928 | 06130 | 06140 | PG29 | 38,0 | 1,0-4,0 | 20,0-26,0 | 30,0 | 46,0 |
| 05766 | 34929 | 06131 | 06141 | PG36 | 48,0 | 1,0-4,0 | 26,0-35,0 | 35,0 | 58,0 |

**Abmessungen von Metric u. PG identisch · Unit: mm · MOQ 100x*

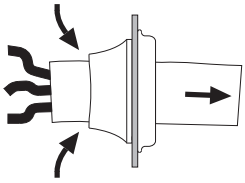
Montage / *Mounting:*



1. Stecken / *Press in*



2. Durchschieben / *Push through*



3. Anziehen / *Pull back*

**Standard-Material:**

**SNAP-E:** EPDM ■ schwarz / ■ grau -50°C bis +110°C (kurzfristig bis +130°C/1h)
- witterungs- und temperaturbeständig
- nicht selbstverlöschend (Brenngeschwindigkeit ca. 2 cm/min)
- bedingt geeignet für den Einsatz in Kraftahrzeugen
- resist

**SNAP-C:** Chloropren ■ schwarz -40°C bis +95°C
- bei -40°C bis +95°C bedingt chemikalien-, alterungs-, witterungs- und temperaturbeständig
- Kfz Sicherheitsnorm 302 (DIN 75200)
- auch von Lloyd's Register of Shipping, Det Norske Veritas und USSR Register

**SNAP-S:** Silikon ■ schwarz -40°C bis +210°C
- bei -40°C bis +210°C temperaturbeständig
- sehr gute elektrische Isolierung
- sehr hohe Beständigkeit gegen Ozon, UV-Strahlen und Witterungseinflüssen

Material auf Anfrage:
Membran-Stanzung möglich bei M25 bis M50 und PG16 bis PG36

**Vorteile:**
- Montagefreundliche, einteilige Kabeldurchführung
- Staub- und wasserdicht gemäß Schutzart IP66/67 geprüft nach EN 60529
- Zugentlastung (abhängig von Kabeldurchmesser)
- Blindstopfen für Nachrüstoptionen

**Montage:**
Membran mit Kreuzschlitzschraubendreher öffnen, Kabel durchschieben und durch Zurückziehen abdichten. Der obere Rand wird in die Durchführung gezogen und an das Kabel gepresst. Somit wird ohne Schrauben und Dichtringe die Schutzart IP66/IP67 und je nach Kabeldurchmesser auch eine Zugentlastung erreicht (siehe Skizze).

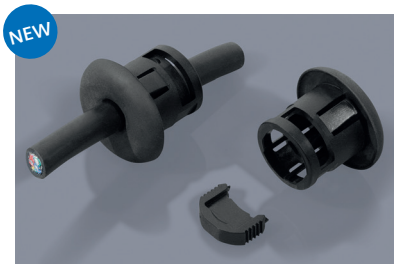
**Artikel-Bez. für Kabel-Durchführung (ARV SNAP):**

EPDM/PG11/Kabel-Ø=7,0-10,0

ARV-SNAP E PG 7,0-10,0
- 7,0-10,0 → Kabel-Ø
- PG → Nennmaß
- E → Material
- ARV-SNAP → Typ

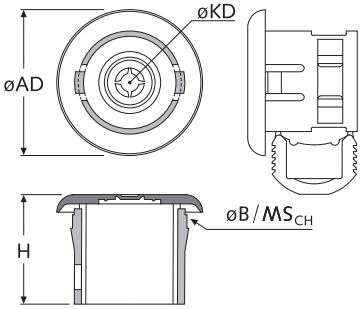
DT MKZ

NEW

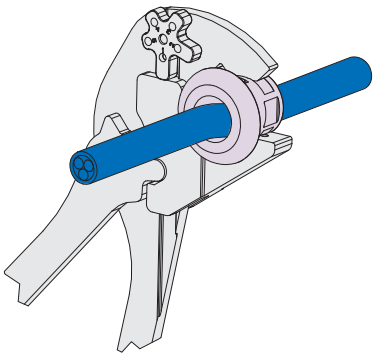


Durchführungstüllen aus Kunststoff mit Gummimembran und Zugentlastung inkl. IP 67/68

*Plastic membrane grommets with rubber membrane and strain relief, IP 67/68*




**Montagebeispiel:**



**Hinweis:** Auf Anfrage können wir Ihnen eine passendes Werkzeug anbieten:
**Artikel: 52448 - ZE-WKZ-8**

| Art.-Nr. schwarz | Artikel-Bez. | KD ø | $B_{CH}$ ø | $MS_{CH}$ max | AD ø | H | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|
| 52436 | DT MKZ 084222/3324T-PA | 7,1-8,4 | 22,2 | 0,8-2,4 | 32,8 | 25,1 | | ■ |
| 52437 | DT MKZ 084222/3348T-PA | 7,1-8,4 | 22,2 | 3,2-4,8 | 32,8 | 25,1 | | ■ |
| 52438 | DT MKZ 112222/3324T-PA | 8,4-11,2 | 22,2 | 0,8-2,4 | 32,8 | 25,1 | | ■ |
| 52439 | DT MKZ 112222/3348T-PA | 8,4-11,2 | 22,2 | 3,2-4,8 | 32,8 | 25,1 | | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 25x*

**Standard-Material:**

| | | | | |
|---|---|---|---|---|
| Kopf: | TPE | UL-94 V-0 | ■ schwarz | -40°C bis +100°C |
| Körper: | PA | UL-94 V-0 | ■ schwarz | -40°C bis +100°C |

| Art.-Nr. weiß | Artikel-Bez. | KD ø | $B_{CH}$ ø | $MS_{CH}$ max | AD ø | H | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|
| 52440 | DT MKZ 084222/3324T-PA | 7,1-8,4 | 22,2 | 0,8-2,4 | 32,8 | 25,1 | | □ |
| 52441 | DT MKZ 084222/3348T-PA | 7,1-8,4 | 22,2 | 3,2-4,8 | 32,8 | 25,1 | | □ |
| 52442 | DT MKZ 112222/3324T-PA | 8,4-11,2 | 22,2 | 0,8-2,4 | 32,8 | 25,1 | | □ |
| 52443 | DT MKZ 112222/3348T-PA | 8,4-11,2 | 22,2 | 3,2-4,8 | 32,8 | 25,1 | | □ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 25x*

**Standard-Material:**

| | | | | |
|---|---|---|---|---|
| Kopf: | TPE | UL-94 V-0 | □ weiß | -40°C bis +100°C |
| Körper: | PA | UL-94 V-0 | ■ schwarz | -40°C bis +100°C |

| Art.-Nr. grau | Artikel-Bez. | KD ø | $B_{CH}$ ø | $MS_{CH}$ max | AD ø | H | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|
| 52444 | DT MKZ 084222/3324T-PA | 7,1-8,4 | 22,2 | 0,8-2,4 | 32,8 | 25,1 | | ■ |
| 52445 | DT MKZ 084222/3348T-PA | 7,1-8,4 | 22,2 | 3,2-4,8 | 32,8 | 25,1 | | ■ |
| 52446 | DT MKZ 112222/3324T-PA | 8,4-11,2 | 22,2 | 0,8-2,4 | 32,8 | 25,1 | | ■ |
| 52447 | DT MKZ 112222/3348T-PA | 8,4-11,2 | 22,2 | 3,2-4,8 | 32,8 | 25,1 | | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 25x*

**Standard-Material:**

| | | | | |
|---|---|---|---|---|
| Kopf: | TPE | UL-94 V-0 | ■ grau (RAL 7035) | -40°C bis +100°C |
| Körper: | PA | UL-94 V-0 | ■ schwarz | -40°C bis +100°C |

**Vorteile:**

- montagefreundliche, einteilige Kabeldurchführung
- 70% Zeitersparnis bei der Montage gegenüber einer Kabelverschraubung
- am Kabel vormontierbar für einen schnellen Einbau ohne Werkzeug
- kein Schrauben, kein Dichtungsring und keine Gegenmutter notwendig

**Eigenschaften:**

- staub- und wasserdicht gemäß Schutzart IP67/68 (IP68 bis 25 psi für 24h)
- nach UL 514B geprüft
- geprüfte Zugentlastung am Kabel (mind. 155 N)
- nicht entflammbar und nach UL-94 V-0 gelistet
- geringe Aufbauhöhe außen am Gehäuse (max. 4,8 mm)

**Montage:**

1. Membran z. B. mit Hilfe eines Kreuzschlitzschraubendrehers öffnen und Kabel durchschieben.
2. Anschließend die Tülle mit Hilfe einer Zange am Kabel vormontieren.
3. Danach kann das Kabel mit der Tülle von außen montiert werden. Dadurch wird ohne Schrauben und ohne Dichtringe die Schutzart IP67/IP68 erzielt.

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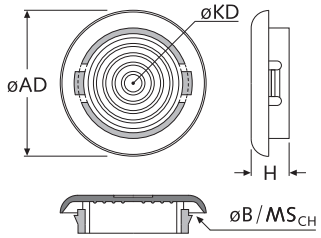
DT MK

NEW

Durchführungstüllen aus Kunststoff mit Gummimembran, variabel, inkl. IP 67/68

*Plastic membrane grommets with rubber membrane and variable inner diameter*




| Art.-Nr. schwarz | Artikel-Bez. | KD Ø | $B_{CH}$ Ø | $MS_{CH}$ max | AD Ø | H | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|
| 43708 | DT MK 051127/2316T-PA | 2,0-5,1 | 12,7 | 0,5-1,6 | 23,4 | 8,1 | | ■ |
| 48025 | DT MK 051127/2364T-PA | 2,0-5,1 | 12,7 | 1,6-6,4 | 23,4 | 15,9 | | ■ |
| 43709 | DT MK 095159/2616T-PA | 3,3-9,5 | 15,9 | 0,5-1,6 | 26,2 | 8,1 | | ■ |
| 48026 | DT MK 095159/2664T-PA | 3,3-9,5 | 15,9 | 1,6-6,4 | 26,2 | 15,9 | | ■ |
| 43710 | DT MK 102191/2916T-PA | 4,4-10,2 | 19,1 | 0,5-1,6 | 29,2 | 8,1 | | ■ |
| 48027 | DT MK 102191/2964T-PA | 4,4-10,2 | 19,1 | 1,6-6,4 | 29,2 | 15,9 | | ■ |
| 43711 | DT MK 114222/3316T-PA | 3,3-11,4 | 22,2 | 0,5-1,6 | 32,5 | 8,1 | | ■ |
| 48028 | DT MK 114222/3364T-PA | 3,3-11,4 | 22,2 | 1,6-6,4 | 32,5 | 15,9 | | ■ |
| 43712 | DT MK 182254/3616T-PA | 5,1-18,2 | 25,4 | 0,5-1,6 | 36,3 | 8,1 | | ■ |
| 48029 | DT MK 182254/3664T-PA | 5,1-18,2 | 25,4 | 1,6-6,4 | 36,3 | 15,9 | | ■ |
| 43713 | DT MK 194278/3916T-PA | 6,4-19,4 | 27,8 | 0,5-1,6 | 38,9 | 8,1 | | ■ |
| 48030 | DT MK 194278/3964T-PA | 6,4-19,4 | 27,8 | 1,6-6,4 | 38,9 | 15,9 | | ■ |
| 48031 | DT MK 241349/4664T-PA | 7,6-24,1 | 34,9 | 1,6-6,4 | 34,9 | 17,0 | | ■ |
| 48032 | DT MK 269381/4964T-PA | 9,5-26,9 | 38,1 | 1,6-6,4 | 49,0 | 17,0 | | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ siehe Webseite*

**Standard-Material:**

| | | | | |
|---|---|---|---|---|
| Kopf: | TPE | UL-94 HB | ■ schwarz | -40°C bis +100°C |
| Körper: | PA | UL-94 HB | ■ schwarz | -40°C bis +100°C |

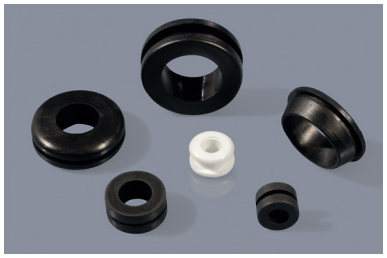
**Vorteile:**

- montagefreundliche, einteilige Kabeldurchführung
- staub- und wasserdicht gemäß Schutzart IP67/68
- nach UL 635 zertifiziert
- als Blindstopfen für Nachrüstoptionen geeignet

**Montage:**

Membran z. B. mit Hilfe eines Kreuzschlitzschraubendrehers öffnen und Kabel durchschieben. Dadurch wird ohne Schrauben und ohne Dichtringe die Schutzart IP67/IP68 erziehlt.

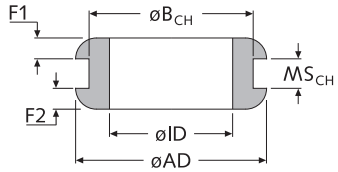
DT PK + DT TK + DT NK



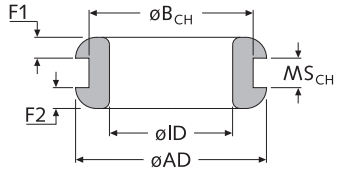
## Durchführungstüllen aus Gummi

*Rubber grommets*

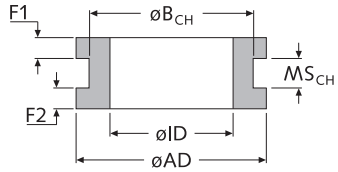
**Typ A** - rund:



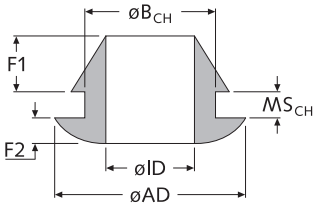

**Typ B** - abgerundet:




**Typ C** - eckig:




**Typ D** - konisch:




**Standard-Material:**

Weich-PVC ■ schwarz / □ weiß
-30°C bis +70°C

TPE ■ schwarz (UL-94 HB a.A.)
-40°C bis +90°C

Neopren/Chloropren ■ schwarz
-30°C bis +90°C Shore 40A-60A

EPDM ■ schwarz
-40°C bis +120°C

[1]Silikon UL-94 HB □ transparent
-50°C bis +200°C

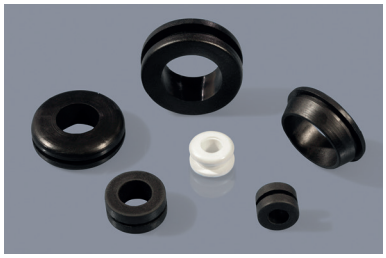
[2]Silikon UL-94 HB ■ schwarz
-50°C bis +200°C

| Art.-Nr. PVC | Art.-Nr. TPE | Art.-Nr. Neopren | Art.-Nr. EPDM | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ ca. | AD Ø | F1 | F2 | Typ | | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - | - | 39608[1] | - | DT ... 015026/03505Si[1] | 1,5 | 2,6 | 0,5 | 3,5 | 3,3 | 3,3 | A | | □ |
| - | - | - | 21916 | DT ... 0204/0710A | 2,0 | 4,0 | 1,0 | 7,0 | 1,2 | 1,2 | D | | ■ |
| - | - | - | 42205 | DT ... 0205/07720 | 2,0 | 5,0 | 2,0 | 7,7 | 1,6 | 1,6 | A | | ■ |
| 02842 | 05900 | 52758[2] | 35026 | DT ... 0205/0810 | 2,0 | 5,0 | 1,0 | 8,0 | 1,5 | 1,5 | A | | ■ |
| 02979 | 05901 | - | 35027 | DT ... 0205/0815 | 2,0 | 5,0 | 1,5 | 8,0 | 1,5 | 1,5 | A | | ■ |
| 06554 | 05902 | - | 35028 | DT ... 0205/0820 | 2,0 | 5,0 | 2,0 | 8,0 | 1,5 | 1,5 | A | | ■ |
| - | - | 02635 | - | DT ... 02065/1110 | 2,0 | 6,5 | 1,0 | 11,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06146 | - | DT ... 02065/1115 | 2,0 | 6,5 | 1,5 | 11,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06147 | - | DT ... 02065/1120 | 2,0 | 6,5 | 2,0 | 11,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06148 | - | DT ... 0208/1110 | 2,0 | 8,0 | 1,0 | 11,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06149 | - | DT ... 0208/1115 | 2,0 | 8,0 | 1,5 | 11,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06150 | - | DT ... 0208/1120 | 2,0 | 8,0 | 2,0 | 11,0 | 2,0 | 2,0 | A | | ■ |
| - | - | - | 22470 | DT ... 02450/8015K | 2,4 | 5,0 | 1,5 | 8,0 | 3,0 | 1,5 | D | | ■ |
| - | - | - | 42206 | DT ... 02543/0606 | 2,5 | 4,3 | 0,6 | 6,0 | 1,2 | 1,2 | C | | ■ |
| - | - | - | 42207 | DT ... 02740/0610 | 2,7 | 4,0 | 1,0 | 6,0 | 1,5 | 1,5 | C | | ■ |
| 06696 | - | - | - | DT ... 0305/0808 | 3,0 | 5,0 | 0,8 | 8,0 | 2,1 | 2,1 | A | | ■ |
| 06555 | 05903 | - | 15412 | DT ... 0305/0810 | 3,0 | 5,0 | 1,0 | 8,0 | 1,5 | 1,5 | A | | ■ |
| 06556 | 05904 | - | 15413 | DT ... 0305/0815 | 3,0 | 5,0 | 1,5 | 8,0 | 1,5 | 1,5 | A | | ■ |
| - | - | 54045[2] | - | DT ... 0305/0616[1] | 3,0 | 5,0 | 1,6 | 6,0 | 1,7 | 1,7 | C | | ■ |
| 06697 | - | - | - | DT ... 0305/0816 | 3,0 | 5,0 | 1,6 | 8,0 | 2,2 | 2,2 | A | | ■ |
| - | - | 06151 | - | DT ... 0305/1010 | 3,0 | 5,0 | 1,0 | 10,0 | 1,5 | 3,0 | A | | ■ |
| 05147 | 05905 | - | 35029 | DT ... 0305/0820 | 3,0 | 5,0 | 2,0 | 8,0 | 1,5 | 1,5 | A | | ■ |
| 06698 | - | - | - | DT ... 0306/0912 | 3,0 | 6,0 | 1,2 | 9,0 | 1,4 | 1,4 | A | | ■ |
| - | - | 06152 | - | DT ... 0307/1010 | 3,0 | 7,0 | 1,0 | 10,0 | 1,5 | 3,0 | A | | ■ |
| - | - | - | 06153 | DT ... 0307/1015 | 3,0 | 7,0 | 1,5 | 10,0 | 1,5 | 3,0 | A | | ■ |
| - | - | 06154 | - | DT ... 0307/1020 | 3,0 | 7,0 | 2,0 | 10,0 | 1,5 | 3,0 | A | | ■ |
| - | - | 06155 | - | DT ... 0307/1030 | 3,0 | 7,0 | 3,0 | 10,0 | 1,5 | 3,0 | A | | ■ |
| - | - | 06156 | - | DT ... 0307/1035 | 3,0 | 7,0 | 3,5 | 10,0 | 1,5 | 3,0 | A | | ■ |
| - | - | - | 39463 | DT ... 0308/1111K | 3,0 | 8,0 | 1,1 | 11,0 | 3,0 | 2,0 | D | | ■ |
| 06706 | - | - | - | DT ... 0308/1130 | 3,0 | 8,0 | 3,0 | 11,0 | 2,5 | 2,5 | A | | ■ |
| - | 06752 | - | - | DT ... 032048/0816 | 3,2 | 4,8 | 1,6 | 8,0 | 2,9 | 2,9 | A | | ■ |
| - | - | - | 37555 | DT ... 032064/08716 | 3,2 | 6,4 | 1,6 | 8,7 | 1,6 | 1,6 | A | | ■ |
| - | - | - | 37556 | DT ... 032079/11116 | 3,2 | 7,9 | 1,6 | 11,1 | 2,0 | 2,0 | A | | ■ |
| 02544 | - | - | - | DT ... 035055/09510KS | 3,5 | 5,5 | 1,0 | 9,5 | 4,0 | 2,0 | D | | ■ |
| 02791 | - | - | - | DT ... 035055/09510KW | 3,5 | 5,5 | 1,0 | 9,5 | 4,0 | 2,0 | D | | □ |
| - | - | - | 15415 | DT ... 04062/09330 | 4,0 | 6,2 | 3,0 | 9,3 | 1,5 | 1,5 | A | | ■ |
| - | - | - | 37554 | DT ... 04064/09516 | 4,0 | 6,4 | 1,6 | 9,5 | 1,6 | 1,6 | A | | ■ |
| - | 06753 | - | - | DT ... 04065/09508 | 4,0 | 6,5 | 0,8 | 9,5 | 1,6 | 1,6 | A | | ■ |
| - | - | 06157 | - | DT ... 04065/1110 | 4,0 | 6,5 | 1,0 | 11,0 | 2,0 | 2,0 | A | | ■ |
| 01241 | 06754 | - | - | DT ... 04065/09516 | 4,0 | 6,5 | 1,6 | 9,5 | 2,4 | 2,4 | A | | ■ |
| 06700 | 06755 | 54034[2] | - | DT ... 04065/09530 | 4,0 | 6,5 | 3,0 | 9,5 | 2,5 | 2,5 | A | | ■ |
| 06629 | - | - | - | DT ... 0407/1010R | 4,0 | 7,0 | 1,0 | 10,0 | 1,5 | 1,5 | B | | ■ |
| 06630 | - | - | - | DT ... 0407/1015R | 4,0 | 7,0 | 1,5 | 10,0 | 1,5 | 1,5 | B | | ■ |
| 06631 | - | - | - | DT ... 0407/1020R | 4,0 | 7,0 | 2,0 | 10,0 | 1,5 | 1,5 | B | | ■ |
| 06557 | 05906 | 06158 | - | DT ... 0408/1110 | 4,0 | 8,0 | 1,0 | 11,0 | 2,0 | 2,0 | A | | ■ |
| 02980 | 05907 | 06159 | - | DT ... 0408/1115 | 4,0 | 8,0 | 1,5 | 11,0 | 2,0 | 2,0 | A | | ■ |
| 03275 | 05908 | - | 03970 | DT ... 0408/1120 | 4,0 | 8,0 | 2,0 | 11,0 | 2,0 | 2,0 | A | | ■ |
| - | - | - | 35032 | DT ... 0408/1130 | 4,0 | 8,0 | 3,0 | 11,0 | 2,0 | 2,0 | A | | ■ |
| - | 39107 | - | - | DT ... 04206/0815 | 4,2 | 6,0 | 1,5 | 8,0 | 1,5 | 1,5 | C | | ■ |

*[1] / [2]abw. Material: Silikon · *ID konisch · weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

Fortsetzung der Tabelle auf der folgenden Seite

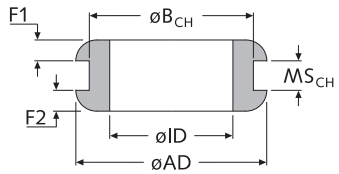
DT PK + DT TK + DT NK



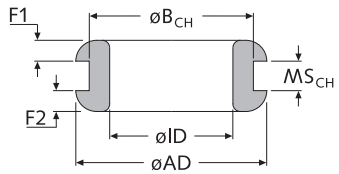
## Durchführungstüllen aus Gummi

*Rubber grommets*

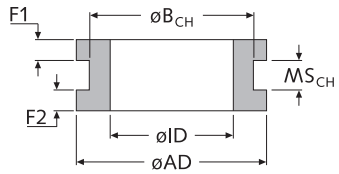
**Typ A** - rund:



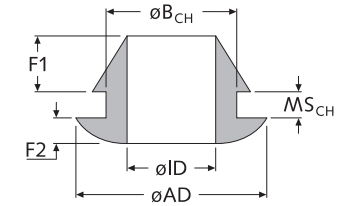

**Typ B** - abgerundet:




**Typ C** - eckig:




**Typ D** - konisch:




**Standard-Material:**

Weich-PVC ■ schwarz / □ weiß
-30°C bis +70°C

TPE ■ schwarz (UL-94 HB a.A.)
-40°C bis +90°C

Neopren/Chloropren ■ schwarz
-30°C bis +90°C Shore 40A-60A

EPDM ■ schwarz
-40°C bis +120°C

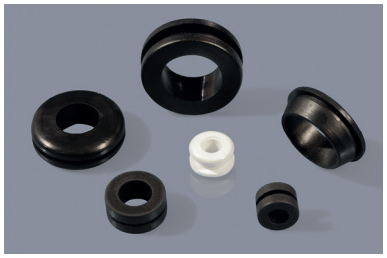
Fortsetzung der Tabelle von der vorhergehenden Seite

| Art.-Nr. PVC | Art.-Nr. TPE | Art.-Nr. Neopren | Art.-Nr. EPDM | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ ca. | AD Ø | Fl | F2 | Typ | | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - | - | - | 15414 | DT ... 04206/0910 | 4,2 | 6,0 | 1,0 | 9,0 | 1,5 | 1,5 | A | | ■ |
| - | - | - | 18814* | DT ... 043107/1615-R* | 4,3-10,7 | 10,7 | 1,5 | 15,6 | 1,3 | 1,3 | A | | ■ |
| 06702 | 06756 | - | - | DT ... 04506/09516 | 4,5 | 6,0 | 1,6 | 9,5 | 2,7 | 2,7 | A | | ■ |
| 06514 | - | - | 15416 | DT ... 045065/09512S | 4,5 | 6,5 | 1,2 | 9,5 | 2,4 | 2,4 | A | | ■ |
| 06515 | - | - | - | DT ... 045065/09512W | 4,5 | 6,5 | 1,2 | 9,5 | 2,4 | 2,4 | A | | □ |
| - | - | - | 15418 | DT ... 04507/1120 | 4,5 | 7,0 | 2,0 | 11,0 | 2,5 | 2,5 | A | | ■ |
| - | - | - | 15421 | DT ... 04509/1210 | 4,5 | 9,0 | 1,0 | 12,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 02420 | - | DT ... 04808/1210 | 4,8 | 8,0 | 1,0 | 12,0 | 1,5 | 1,5 | A | | ■ |
| - | - | 06163 | - | DT ... 04808/1215 | 4,8 | 8,0 | 1,5 | 12,0 | 1,5 | 1,5 | A | | ■ |
| - | - | 06164 | - | DT ... 04808/1220 | 4,8 | 8,0 | 2,0 | 12,0 | 1,5 | 1,5 | A | | ■ |
| - | - | 06165 | - | DT ... 04808/1230 | 4,8 | 8,0 | 3,0 | 12,0 | 1,5 | 1,5 | A | | ■ |
| - | - | 06166 | - | DT ... 048085/1230 | 4,8 | 8,5 | 3,0 | 12,0 | 1,5 | 1,5 | A | | ■ |
| - | - | - | 29906 | DT ... 049075/09520 | 4,9 | 7,5 | 2,0 | 9,5 | 1,8 | 1,8 | C | | ■ |
| - | 39108 | - | - | DT ... 0507/1020 | 5,0 | 7,0 | 2,0 | 10,0 | 1,5 | 1,5 | C | | ■ |
| - | - | 06167 | - | DT ... 0507/1110 | 5,0 | 7,0 | 1,0 | 11,0 | 2,8 | 2,8 | A | | ■ |
| - | - | 06168 | - | DT ... 0507/1115 | 5,0 | 7,0 | 1,5 | 11,0 | 2,8 | 2,8 | A | | ■ |
| - | - | - | 21915 | DT ... 0507/1115K | 5,0 | 7,0 | 1,5 | 10,0 | 3,7 | 1,5 | D | | ■ |
| - | - | 06169 | - | DT ... 0507/1120 | 5,0 | 7,0 | 2,0 | 11,0 | 2,8 | 2,8 | A | | ■ |
| 02545 | - | - | - | DT ... 0507/1120KS | 5,0 | 7,0 | 2,0 | 11,0 | 5,0 | 2,0 | D | | ■ |
| 09459 | - | - | - | DT ... 0507/1120KW | 5,0 | 7,0 | 2,0 | 11,0 | 5,0 | 2,0 | D | | □ |
| - | - | 06170 | - | DT ... 0507/1130 | 5,0 | 7,0 | 3,0 | 11,0 | 2,8 | 2,8 | A | | ■ |
| 06632 | - | - | - | DT ... 0508/1110R | 5,0 | 8,0 | 1,0 | 11,0 | 1,5 | 1,5 | B | | ■ |
| 06558 | 05909 | - | - | DT ... 0508/1110 | 5,0 | 8,0 | 1,0 | 11,0 | 2,0 | 2,0 | A | | ■ |
| 06633 | - | - | - | DT ... 0508/1115R | 5,0 | 8,0 | 1,5 | 11,0 | 1,5 | 1,5 | B | | ■ |
| 06510 | 05910 | - | - | DT ... 0508/1115S | 5,0 | 8,0 | 1,5 | 11,0 | 2,0 | 2,0 | A | | ■ |
| 06511 | - | - | - | DT ... 0508/1115W | 5,0 | 8,0 | 1,5 | 11,0 | 2,0 | 2,0 | A | | □ |
| 06559 | 05911 | - | - | DT ... 0508/1120 | 5,0 | 8,0 | 2,0 | 11,0 | 2,0 | 2,0 | A | | ■ |
| 06634 | - | - | - | DT ... 0508/1120R | 5,0 | 8,0 | 2,0 | 11,0 | 1,5 | 1,5 | B | | ■ |
| - | - | 40494 | - | DT ... 0508/12340 | 5,0 | 8,0 | 2,0 | 12,3 | 2,0 | 2,0 | C | | ■ |
| - | - | 06171 | - | DT ... 0509/1510 | 5,0 | 9,0 | 1,0 | 15,0 | 3,0 | 8,0 | A | | ■ |
| - | - | 02636 | - | DT ... 0509/1515 | 5,0 | 9,0 | 1,5 | 15,0 | 3,0 | 8,0 | A | | ■ |
| - | - | 06172 | - | DT ... 0509/1520 | 5,0 | 9,0 | 2,0 | 15,0 | 3,0 | 8,0 | A | | ■ |
| - | - | 06173 | - | DT ... 0509/1530 | 5,0 | 9,0 | 3,0 | 15,0 | 3,0 | 8,0 | A | | ■ |
| - | - | 06302 | - | DT ... 05107/1115 | 5,1 | 7,0 | 1,5 | 11,0 | 3,0 | 3,0 | C | | ■ |
| - | - | 06174 | 15419 | DT ... 05508/1110 | 5,5 | 8,0 | 1,0 | 11,0 | 2,0 | 2,0 | A | | ■ |
| 06705 | - | - | - | DT ... 05508/1112 | 5,5 | 8,0 | 1,2 | 11,0 | 0,8 | 0,8 | A | | ■ |
| - | - | 06175 | - | DT ... 05508/1115 | 5,5 | 8,0 | 1,5 | 11,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06176 | - | DT ... 05508/1120 | 5,5 | 8,0 | 2,0 | 11,0 | 2,0 | 2,0 | A | | ■ |
| 06560 | 05912 | - | - | DT ... 05508/1215 | 5,5 | 8,0 | 1,5 | 12,0 | 2,0 | 2,0 | A | | ■ |
| 01243 | - | - | - | DT ... 05508/1116 | 5,5 | 8,0 | 1,6 | 11,0 | 2,2 | 2,2 | A | | ■ |
| 06561 | 05913 | - | - | DT ... 05509/1210 | 5,5 | 9,0 | 1,0 | 12,0 | 2,0 | 2,0 | A | | ■ |
| 06562 | 05914 | - | - | DT ... 05509/1215 | 5,5 | 9,0 | 1,5 | 12,0 | 2,0 | 2,0 | A | | ■ |
| 06563 | 05915 | - | - | DT ... 05509/1220 | 5,5 | 9,0 | 2,0 | 12,0 | 2,0 | 2,0 | A | | ■ |
| 06564 | 05916 | - | - | DT ... 05509/1230 | 5,5 | 9,0 | 3,0 | 12,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06177 | - | DT ... 05810/1615 | 5,8 | 10,0 | 1,5 | 16,0 | 3,8 | 3,8 | A | | ■ |
| 06520 | - | - | - | DT ... 0608/11510S | 6,0 | 8,0 | 1,0 | 11,5 | 3,0 | 3,0 | A | | ■ |
| 06521 | - | - | - | DT ... 0608/11510W | 6,0 | 8,0 | 1,0 | 11,5 | 3,0 | 3,0 | A | | □ |
| 06565 | 05917 | - | - | DT ... 0608/1215S | 6,0 | 8,0 | 1,5 | 12,0 | 2,0 | 2,0 | A | | ■ |
| - | - | - | 15420 | DT ... 0608/11510 | 6,0 | 8,0 | 1,0 | 11,5 | 2,5 | 2,5 | A | | ■ |

*[1/2]abw. Material: Silikon · *ID konisch · weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

Fortsetzung der Tabelle auf der folgenden Seite

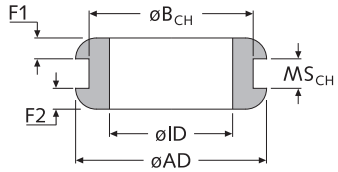
DT PK + DT TK + DT NK



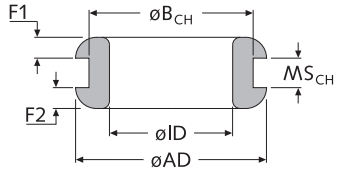
## Durchführungstüllen aus Gummi

*Rubber grommets*

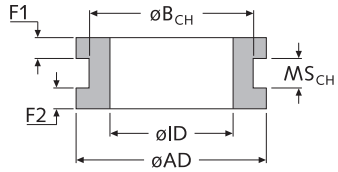
**Typ A** - rund:



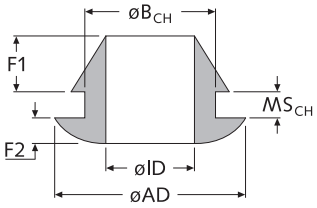

**Typ B** - abgerundet:




**Typ C** - eckig:




**Typ D** - konisch:




**Standard-Material:**

Weich-PVC ■ schwarz / □ weiß
-30°C bis +70°C

TPE ■ schwarz (UL-94 HB a.A.)
-40°C bis +90°C

Neopren/Chloropren ■ schwarz
-30°C bis +90°C Shore 40A-60A

EPDM ■ schwarz
-40°C bis +120°C

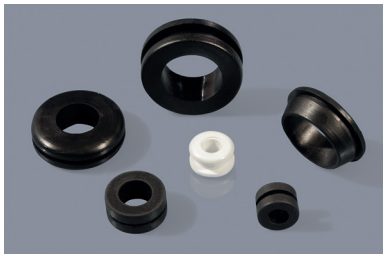
Fortsetzung der Tabelle von der vorhergehenden Seite

| Art.-Nr. PVC | Art.-Nr. TPE | Art.-Nr. Neopren | Art.-Nr. EPDM | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ ca. | AD Ø | F1 | F2 | Typ | | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - | - | - | 15417 | DT ... 0608/10542 | 6,0 | 8,0 | 4,2 | 10,5 | 1,4 | 1,4 | A | | ■ |
| 06566 | 05918 | - | - | DT ... 0609/1210 | 6,0 | 9,0 | 1,0 | 12,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06178 | - | DT ... 0609/1410 | 6,0 | 9,0 | 1,0 | 14,0 | 3,0 | 3,0 | A | | ■ |
| 06524 | - | - | - | DT ... 0609/11515S | 6,0 | 9,0 | 1,5 | 11,5 | 2,5 | 2,5 | A | | ■ |
| 06525 | - | - | - | DT ... 0609/11515W | 6,0 | 9,0 | 1,5 | 11,5 | 2,5 | 2,5 | A | | □ |
| 06567 | 05919 | - | - | DT ... 0609/1215 | 6,0 | 9,0 | 1,5 | 12,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06179 | - | DT ... 0609/1415 | 6,0 | 9,0 | 1,5 | 14,0 | 3,0 | 3,0 | A | | ■ |
| 03133 | 05920 | - | - | DT ... 0609/1220 | 6,0 | 9,0 | 2,0 | 12,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 03580 | - | DT ... 0609/1420 | 6,0 | 9,0 | 2,0 | 14,0 | 3,0 | 3,0 | A | | ■ |
| 06569 | 05921 | - | - | DT ... 0609/1230 | 6,0 | 9,0 | 3,0 | 12,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06180 | - | DT ... 0609/1430 | 6,0 | 9,0 | 3,0 | 14,0 | 3,0 | 3,0 | A | | ■ |
| 06570 | - | - | - | DT ... 0609/1240 | 6,0 | 9,0 | 4,0 | 12,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06181 | - | DT ... 0609/1440 | 6,0 | 9,0 | 4,0 | 14,0 | 3,0 | 3,0 | A | | ■ |
| 06571 | - | - | - | DT ... 0609/1250 | 6,0 | 9,0 | 5,0 | 12,0 | 2,0 | 2,0 | A | | ■ |
| 06572 | - | - | - | DT ... 0609/1260 | 6,0 | 9,0 | 6,0 | 12,0 | 2,0 | 2,0 | A | | ■ |
| 06573 | - | - | - | DT ... 0609/1270 | 6,0 | 9,0 | 7,0 | 12,0 | 2,0 | 2,0 | A | | ■ |
| 06574 | - | - | - | DT ... 0609/1280 | 6,0 | 9,0 | 8,0 | 12,0 | 2,0 | 2,0 | A | | ■ |
| 06575 | - | - | - | DT ... 0609/1290 | 6,0 | 9,0 | 9,0 | 12,0 | 2,0 | 2,0 | A | | ■ |
| 06526 | - | - | - | DT ... 06098/12720S | 6,0 | 9,8 | 2,0 | 12,7 | 3,0 | 3,0 | A | | ■ |
| 06527 | - | - | - | DT ... 06098/12720W | 6,0 | 9,8 | 2,0 | 12,7 | 3,0 | 3,0 | A | | □ |
| 06522 | - | - | - | DT ... 0610/1310S | 6,0 | 10,0 | 1,0 | 13,0 | 3,0 | 3,0 | A | | ■ |
| 06523 | - | - | - | DT ... 0610/1310W | 6,0 | 10,0 | 1,0 | 13,0 | 3,0 | 3,0 | A | | □ |
| 06635 | - | - | - | DT ... 0610/1410R | 6,0 | 10,0 | 1,0 | 14,0 | 2,0 | 2,0 | B | | ■ |
| - | - | - | 06182 | DT ... 0610/1410 | 6,0 | 10,0 | 1,0 | 14,0 | 3,0 | 3,0 | A | | ■ |
| - | - | 06183 | - | DT ... 0610/1415 | 6,0 | 10,0 | 1,5 | 14,0 | 3,0 | 3,0 | A | | ■ |
| - | - | - | 06184 | DT ... 0610/1420 | 6,0 | 10,0 | 2,0 | 14,0 | 3,0 | 3,0 | A | | ■ |
| - | - | - | 06185 | DT ... 0610/1430 | 6,0 | 10,0 | 3,0 | 14,0 | 3,0 | 3,0 | A | | ■ |
| - | - | 06190 | - | DT ... 0611/1450 | 6,0 | 11,0 | 5,0 | 14,0 | 3,0 | 3,0 | A | | ■ |
| 03557 | - | - | - | DT ... 0610/1415R | 6,0 | 10,0 | 1,5 | 14,0 | 2,0 | 2,0 | B | | ■ |
| 06792 | - | - | - | DT ... 0610/13520K | 6,0 | 10,0 | 2,0 | 13,5 | 4,5 | 2,0 | D | | ■ |
| 06636 | - | - | - | DT ... 0610/1420R | 6,0 | 10,0 | 2,0 | 14,0 | 2,0 | 2,0 | B | | ■ |
| 06637 | - | - | - | DT ... 0610/1430R | 6,0 | 10,0 | 3,0 | 14,0 | 2,0 | 2,0 | B | | ■ |
| - | - | 06186 | - | DT ... 0611/1610 | 6,0 | 11,0 | 1,0 | 16,0 | 1,75 | 1,75 | A | | ■ |
| - | - | 06187 | - | DT ... 0611/1615 | 6,0 | 11,0 | 1,5 | 16,0 | 1,75 | 1,75 | A | | ■ |
| - | - | - | 06188 | DT ... 0611/1620 | 6,0 | 11,0 | 2,0 | 16,0 | 1,75 | 1,75 | A | | ■ |
| - | - | 06189 | - | DT ... 0611/1630 | 6,0 | 11,0 | 3,0 | 16,0 | 1,75 | 1,75 | A | | ■ |
| - | - | 06191 | - | DT ... 0612/1610 | 6,0 | 12,0 | 1,0 | 16,0 | 1,75 | 1,75 | A | | ■ |
| - | - | 06192 | - | DT ... 0612/1615 | 6,0 | 12,0 | 1,5 | 16,0 | 1,75 | 1,75 | A | | ■ |
| - | - | 06193 | - | DT ... 0612/1620 | 6,0 | 12,0 | 2,0 | 16,0 | 1,75 | 1,75 | A | | ■ |
| 06576 | 05922 | - | - | DT ... 0612/1820 | 6,0 | 12,0 | 2,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06194 | - | DT ... 0612/1630 | 6,0 | 12,0 | 3,0 | 16,0 | 1,75 | 1,75 | A | | ■ |
| 06577 | - | - | - | DT ... 0613/1870 | 6,0 | 13,0 | 7,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| 06578 | 05923 | - | - | DT ... 0614/1810 | 6,0 | 14,0 | 1,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| - | - | - | 22472 | DT ... 065085/1215K | 6,5 | 8,5 | 1,5 | 11,7 | 2,0 | 3,5 | D | | ■ |
| 06707 | 06760 | - | - | DT ... 065095/1416 | 6,5 | 9,5 | 1,6 | 14,0 | 2,4 | 2,4 | A | | ■ |
| 06709 | - | - | - | DT ... 065095/1424 | 6,5 | 9,5 | 2,4 | 14,0 | 2,3 | 2,3 | A | | ■ |
| - | - | 06312 | - | DT ... 06510/1610K | 6,5 | 10,0 | 1,0 | 16,0 | 3,0 | 5,0 | D | | ■ |
| - | - | 06313 | - | DT ... 06510/1615K | 6,5 | 10,0 | 1,5 | 16,0 | 3,0 | 5,0 | D | | ■ |
| - | - | 06314 | - | DT ... 06510/1220K | 6,5 | 10,0 | 2,0 | 16,0 | 3,0 | 5,0 | D | | ■ |

*[1] / [2] abw. Material: Silikon · *ID konisch · weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

Fortsetzung der Tabelle auf der folgenden Seite

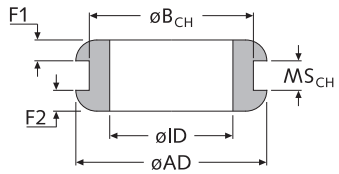
DT PK + DT TK + DT NK



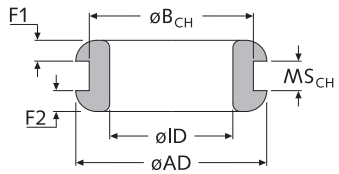
Durchführungstüllen aus Gummi

*Rubber grommets*

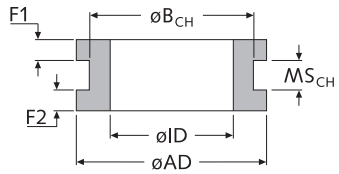
**Typ A** - rund:



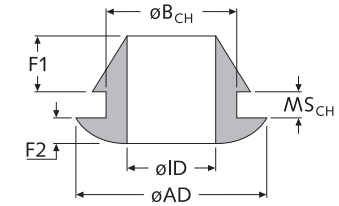

**Typ B** - abgerundet:




**Typ C** - eckig:




**Typ D** - konisch:




**Standard-Material:**

Weich-PVC ■ schwarz / □ weiß
-30°C bis +70°C

TPE ■ schwarz (UL-94 HB a.A.)
-40°C bis +90°C

Neopren/Chloropren ■ schwarz
-30°C bis +90°C Shore 40A-60A

EPDM ■ schwarz
-40°C bis +120°C

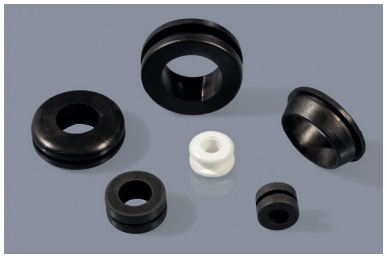
Fortsetzung der Tabelle von der vorhergehenden Seite

| Art.-Nr. PVC | Art.-Nr. TPE | Art.-Nr. Neopren | Art.-Nr. EPDM | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ ca. | AD Ø | Fl | F2 | Typ | | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - | - | 06315 | - | DT ... 06510/1630K | 6,5 | 10,0 | 3,0 | 16,0 | 3,0 | 5,0 | D | | ■ |
| 02546 | - | - | - | DT ... 06511/13520KS | 6,5 | 11,0 | 2,0 | 13,5 | 5,0 | 2,0 | D | | ■ |
| 09460 | - | - | - | DT ... 06511/13520KW | 6,5 | 11,0 | 2,0 | 13,5 | 5,0 | 2,0 | D | | □ |
| 06711 | - | - | - | DT ... 065125/1616 | 6,5 | 12,5 | 1,6 | 16,0 | 3,2 | 3,2 | A | | ■ |
| - | - | - | 22471 | DT ... 068098/1210K | 6,8 | 9,8 | 1,0 | 11,7 | 5,7 | 1,5 | D | | ■ |
| - | - | - | 15426 | DT ... 06810/1445 | 6,8 | 10,0 | 4,5 | 14,0 | 3,0 | 3,0 | A | | ■ |
| - | - | 06196 | - | DT ... 06812/1615 | 6,8 | 12,0 | 1,5 | 16,0 | 3,3 | 3,3 | A | | ■ |
| 06580 | 05924 | - | - | DT ... 0710/1410 | 7,0 | 10,0 | 1,0 | 14,0 | 2,5 | 2,5 | A | | ■ |
| 06581 | 05925 | - | - | DT ... 0710/1415 | 7,0 | 10,0 | 1,5 | 14,0 | 2,5 | 2,5 | A | | ■ |
| 06582 | 05926 | - | - | DT ... 0710/1420 | 7,0 | 10,0 | 2,0 | 14,0 | 2,5 | 2,5 | A | | ■ |
| 06583 | 05927 | - | - | DT ... 0710/1430 | 7,0 | 10,0 | 3,0 | 14,0 | 2,5 | 2,5 | A | | ■ |
| 06796 | - | - | - | DT ... 0711/14530K | 7,0 | 11,0 | 3,0 | 14,5 | 4,5 | 2,0 | D | | ■ |
| - | - | - | 51477 | DT ... 07115/1815K | 7,0 | 11,5 | 1,5 | 18,0 | 4,8 | 9,0 | D | | ■ |
| 06584 | 05928 | 06195 | - | DT ... 0712/1610S | 7,0 | 12,0 | 1,0 | 16,0 | 2,5 | 2,5 | A | | ■ |
| 31299 | - | - | - | DT ... 0712/1610W | 7,0 | 12,0 | 1,0 | 16,0 | 2,5 | 2,5 | A | | □ |
| - | - | 06197 | - | DT ... 0712/1620 | 7,0 | 12,0 | 2,0 | 16,0 | 3,3 | 3,3 | A | | ■ |
| - | - | 06198 | - | DT ... 0712/1630 | 7,0 | 12,0 | 3,0 | 16,0 | 3,3 | 3,3 | A | | ■ |
| 06585 | 05929 | - | - | DT ... 0714/1810 | 7,0 | 14,0 | 1,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| 06586 | 05930 | - | - | DT ... 0714/1820 | 7,0 | 14,0 | 2,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| 06587 | 05931 | - | - | DT ... 0714/1830 | 7,0 | 14,0 | 3,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06303 | - | DT ... 0725/2960E | 7,0 | 25,0 | 6,0 | 29,0 | 2,0 | 2,0 | C | | ■ |
| - | - | 06199 | - | DT ... 07511/2050 | 7,5 | 11,0 | 5,0 | 20,0 | 3,5 | 3,5 | A | | ■ |
| - | - | 06200 | - | DT ... 07512/2010 | 7,5 | 12,0 | 1,0 | 20,0 | 3,5 | 3,5 | A | | ■ |
| - | - | 06201 | - | DT ... 07512/2015 | 7,5 | 12,0 | 1,5 | 20,0 | 3,5 | 3,5 | A | | ■ |
| - | - | - | 06202 | DT ... 07512/2020 | 7,5 | 12,0 | 2,0 | 20,0 | 3,5 | 3,5 | A | | ■ |
| - | - | 06203 | - | DT ... 07512/2030 | 7,5 | 12,0 | 3,0 | 20,0 | 3,5 | 3,5 | A | | ■ |
| - | - | 06204 | - | DT ... 07512/2060 | 7,5 | 12,0 | 6,0 | 20,0 | 3,5 | 3,5 | A | | ■ |
| 03559 | - | - | - | DT ... 08095/1416F | 8,0 | 9,5 | 1,6 | 14,0 | 1,7 | 1,7 | A | | ■ |
| 03359 | 06764 | - | - | DT ... 08095/1416 | 8,0 | 9,5 | 1,6 | 14,0 | 3,2 | 3,2 | A | | ■ |
| 06588 | 05932 | - | - | DT ... 0810/1410 | 8,0 | 10,0 | 1,0 | 14,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06205 | - | DT ... 0810/1510 | 8,0 | 10,0 | 1,0 | 15,0 | 3,5 | 3,5 | A | | ■ |
| 06530 | - | - | - | DT ... 0810/1415F | 8,0 | 10,0 | 1,5 | 14,0 | 2,0 | 2,0 | A | | ■ |
| 06531 | - | - | - | DT ... 0810/1415FW | 8,0 | 10,0 | 1,5 | 14,0 | 2,0 | 2,0 | A | | □ |
| 06589 | 05933 | - | - | DT ... 0810/1415 | 8,0 | 10,0 | 1,5 | 14,0 | 2,5 | 2,5 | A | | ■ |
| 06532 | - | - | - | DT ... 0810/1415H | 8,0 | 10,0 | 1,5 | 14,0 | 3,3 | 3,3 | A | | ■ |
| 06533 | - | - | - | DT ... 0810/1415HW | 8,0 | 10,0 | 1,5 | 14,0 | 3,3 | 3,3 | A | | □ |
| - | - | 06206 | - | DT ... 0810/1515 | 8,0 | 10,0 | 1,5 | 15,0 | 3,5 | 3,5 | A | | ■ |
| 06590 | 05934 | - | - | DT ... 0810/1420 | 8,0 | 10,0 | 2,0 | 14,0 | 2,5 | 2,5 | A | | ■ |
| 43719 | - | - | - | DT ... 0810/1420W | 8,0 | 10,0 | 2,0 | 14,0 | 2,5 | 2,5 | A | | □ |
| - | - | 06207 | - | DT ... 0810/1520 | 8,0 | 10,0 | 2,0 | 15,0 | 3,5 | 3,5 | A | | ■ |
| 06591 | 05935 | - | - | DT ... 0810/1430 | 8,0 | 10,0 | 3,0 | 14,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06208 | - | DT ... 0810/1530 | 8,0 | 10,0 | 3,0 | 15,0 | 3,5 | 3,5 | A | | ■ |
| - | - | 06209 | - | DT ... 0810/1540 | 8,0 | 10,0 | 4,0 | 15,0 | 3,5 | 3,5 | A | | ■ |
| - | - | 06210 | - | DT ... 0811/1510 | 8,0 | 11,0 | 1,0 | 15,0 | 3,5 | 3,5 | A | | ■ |
| - | - | 06211 | - | DT ... 0811/1515 | 8,0 | 11,0 | 1,5 | 15,0 | 3,5 | 3,5 | A | | ■ |
| 06717 | 01245 | - | - | DT ... 0811/1416F | 8,0 | 11,0 | 1,6 | 14,0 | 1,7 | 1,7 | A | | ■ |
| 06719 | - | - | - | DT ... 0811/1616 | 8,0 | 11,0 | 1,6 | 16,0 | 2,4 | 2,4 | A | | ■ |
| - | - | 06212 | - | DT ... 0811/1520 | 8,0 | 11,0 | 2,0 | 15,0 | 3,5 | 3,5 | A | | ■ |
| - | - | 06213 | - | DT ... 0811/1530 | 8,0 | 11,0 | 3,0 | 15,0 | 3,5 | 3,5 | A | | ■ |

*[1/2]abw. Material: Silikon · *ID konisch · weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

Fortsetzung der Tabelle auf der folgenden Seite

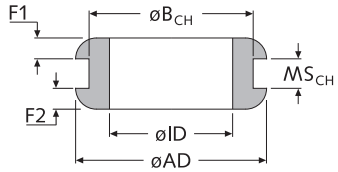
DT PK + DT TK + DT NK



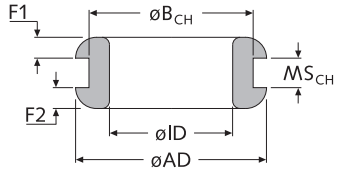
## Durchführungstüllen aus Gummi

*Rubber grommets*

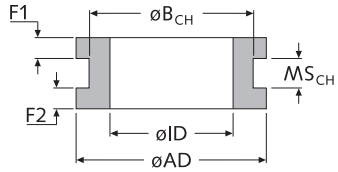
**Typ A** - rund:



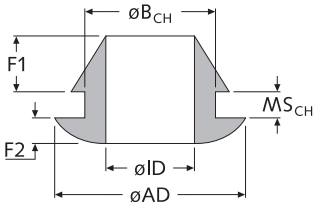

**Typ B** - abgerundet:




**Typ C** - eckig:




**Typ D** - konisch:




**Standard-Material:**

Weich-PVC ■ schwarz / □ weiß
-30°C bis +70°C

TPE ■ schwarz (UL-94 HB a.A.)
-40°C bis +90°C

Neopren/Chloropren ■ schwarz
-30°C bis +90°C Shore 40A-60A

EPDM ■ schwarz
-40°C bis +120°C

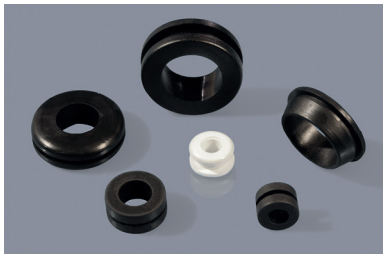
Fortsetzung der Tabelle von der vorhergehenden Seite

| Art.-Nr. PVC | Art.-Nr. TPE | Art.-Nr. Neopren | Art.-Nr. EPDM | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ ca. | AD Ø | F1 | F2 | Typ | | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - | - | 06214 | - | DT ... 0811/1540 | 8,0 | 11,0 | 4,0 | 15,0 | 3,5 | 3,5 | A | | ■ |
| 06638 | - | - | - | DT ... 0812/1610R | 8,0 | 12,0 | 1,0 | 16,0 | 2,0 | 2,0 | A | | ■ |
| 06592 | 05936 | - | - | DT ... 0812/1610 | 8,0 | 12,0 | 1,0 | 16,0 | 2,5 | 2,5 | A | | ■ |
| 06639 | - | - | - | DT ... 0812/1615R | 8,0 | 12,0 | 1,5 | 16,0 | 2,0 | 2,0 | B | | ■ |
| 06593 | 05937 | - | - | DT ... 0812/1615 | 8,0 | 12,0 | 1,5 | 16,0 | 2,5 | 2,5 | A | | ■ |
| 06798 | - | - | - | DT ... 0812/15520K | 8,0 | 12,0 | 2,0 | 15,5 | 4,5 | 2,0 | D | | ■ |
| 06640 | - | - | - | DT ... 0812/1620R | 8,0 | 12,0 | 2,0 | 16,0 | 2,0 | 2,0 | B | | ■ |
| 06594 | 05938 | - | - | DT ... 0812/1620 | 8,0 | 12,0 | 2,0 | 16,0 | 2,5 | 2,5 | A | | ■ |
| 06799 | - | - | - | DT ... 0812/15530K | 8,0 | 12,0 | 3,0 | 15,5 | 4,5 | 2,0 | D | | ■ |
| 06641 | - | - | - | DT ... 0812/1630R | 8,0 | 12,0 | 3,0 | 16,0 | 2,0 | 2,0 | B | | ■ |
| 06595 | 05939 | - | - | DT ... 0812/1630 | 8,0 | 12,0 | 3,0 | 16,0 | 2,5 | 2,5 | A | | ■ |
| 06528 | 05940 | - | - | DT ... 0814/1810 | 8,0 | 14,0 | 1,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| 06529 | - | - | - | DT ... 0814/1810W | 8,0 | 14,0 | 1,0 | 18,0 | 2,5 | 2,5 | A | | □ |
| 06596 | 05941 | - | - | DT ... 0814/1820 | 8,0 | 14,0 | 2,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| 06597 | 05942 | - | - | DT ... 0814/1830 | 8,0 | 14,0 | 3,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06215 | - | DT ... 0816/2060 | 8,0 | 16,0 | 6,0 | 20,0 | 3,0 | 3,0 | A | | ■ |
| 06534 | - | 06216 | - | DT ... 0911/1610 | 9,0 | 11,0 | 1,0 | 16,0 | 2,8 | 2,8 | A | | ■ |
| 06535 | - | - | - | DT ... 0911/1610W | 9,0 | 11,0 | 1,0 | 16,0 | 2,8 | 2,8 | A | | □ |
| - | - | 06304 | - | DT ... 0911/1610E | 9,0 | 11,0 | 1,0 | 16,0 | 3,25 | 3,25 | C | | ■ |
| - | - | 06217 | - | DT ... 0911/1615 | 9,0 | 11,0 | 1,5 | 16,0 | 2,75 | 2,75 | A | | ■ |
| - | - | 06305 | - | DT ... 0911/1615E | 9,0 | 11,0 | 1,5 | 16,0 | 3,25 | 3,25 | C | | ■ |
| - | - | 06218 | - | DT ... 0911/1620 | 9,0 | 11,0 | 2,0 | 16,0 | 2,75 | 2,75 | A | | ■ |
| - | - | 06306 | - | DT ... 0911/1620E | 9,0 | 11,0 | 2,0 | 16,0 | 3,25 | 3,25 | C | | ■ |
| - | - | 06219 | - | DT ... 0911/1630 | 9,0 | 11,0 | 3,0 | 16,0 | 2,75 | 2,75 | A | | ■ |
| - | - | 06307 | - | DT ... 0911/1630E | 9,0 | 11,0 | 3,0 | 16,0 | 3,25 | 3,25 | C | | ■ |
| - | - | 06220 | - | DT ... 0911/1640 | 9,0 | 11,0 | 4,0 | 16,0 | 2,75 | 2,75 | A | | ■ |
| - | - | 06308 | - | DT ... 0911/1640E | 9,0 | 11,0 | 4,0 | 16,0 | 3,25 | 3,25 | C | | ■ |
| 06536 | 05943 | - | - | DT ... 0912/1610 | 9,0 | 12,0 | 1,0 | 16,0 | 2,8 | 2,8 | A | | ■ |
| 06538 | 05944 | - | - | DT ... 0912/1615 | 9,0 | 12,0 | 1,5 | 16,0 | 2,5 | 2,5 | A | | ■ |
| 06539 | - | - | - | DT ... 0912/1615W | 9,0 | 12,0 | 1,5 | 16,0 | 2,5 | 2,5 | A | | □ |
| 06598 | 05945 | - | - | DT ... 0912/1620 | 9,0 | 12,0 | 2,0 | 16,0 | 2,5 | 2,5 | A | | ■ |
| 21758 | - | - | - | DT ... 0912/1620W | 9,0 | 12,0 | 2,0 | 16,0 | 2,5 | 2,5 | A | | □ |
| 06599 | 05946 | - | - | DT ... 0912/1630 | 9,0 | 12,0 | 3,0 | 16,0 | 2,5 | 2,5 | A | | ■ |
| 06600 | 05947 | - | - | DT ... 0914/1810 | 9,0 | 14,0 | 1,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| 06601 | 05948 | - | - | DT ... 0914/1820 | 9,0 | 14,0 | 2,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| 06602 | 05949 | - | - | DT ... 0914/1830 | 9,0 | 14,0 | 3,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06221 | - | DT ... 0916/2210 | 9,0 | 16,0 | 1,0 | 22,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06222 | - | DT ... 0916/2215 | 9,0 | 16,0 | 1,5 | 22,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06223 | - | DT ... 0916/2220 | 9,0 | 16,0 | 2,0 | 22,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06224 | - | DT ... 0916/2230 | 9,0 | 16,0 | 3,0 | 22,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06225 | - | DT ... 0916/2240 | 9,0 | 16,0 | 4,0 | 22,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06226 | - | DT ... 0920/2720 | 9,0 | 20,0 | 2,0 | 27,0 | 3,25 | 3,25 | A | | ■ |
| - | - | 06227 | - | DT ... 0920/2730 | 9,0 | 20,0 | 3,0 | 27,0 | 3,25 | 3,25 | A | | ■ |
| - | - | 06228 | - | DT ... 0920/2740 | 9,0 | 20,0 | 4,0 | 27,0 | 3,25 | 3,25 | A | | ■ |
| 06723 | - | - | - | DT ... 095125/1716 | 9,5 | 12,5 | 1,6 | 17,0 | 2,7 | 2,7 | A | | ■ |
| 06725 | - | - | - | DT ... 095125/1916 | 9,5 | 12,5 | 1,6 | 19,0 | 2,4 | 2,4 | A | | ■ |
| 06724 | - | - | - | DT ... 09525/1730 | 9,5 | 12,5 | 3,0 | 17,0 | 2,9 | 2,9 | A | | ■ |
| - | - | 06229 | - | DT ... 09513/17510 | 9,5 | 13,0 | 1,0 | 17,5 | 3,0 | 3,0 | A | | ■ |
| - | - | 06230 | - | DT ... 09513/17515 | 9,5 | 13,0 | 1,5 | 17,5 | 3,0 | 3,0 | A | | ■ |

*[1] / [2] abw. Material: Silikon · *ID konisch · weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

Fortsetzung der Tabelle auf der folgenden Seite

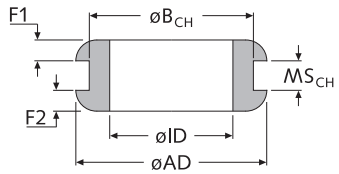
DT PK + DT TK + DT NK



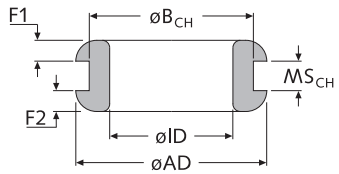
## Durchführungstüllen aus Gummi

*Rubber grommets*

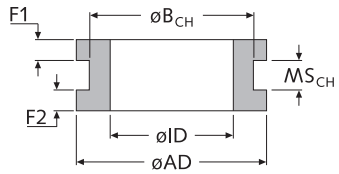
**Typ A** - rund:



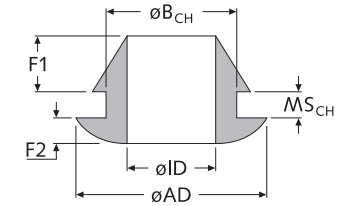

**Typ B** - abgerundet:




**Typ C** - eckig:




**Typ D** - konisch:




**Standard-Material:**

Weich-PVC ■ schwarz / □ weiß
-30°C bis +70°C

TPE ■ schwarz (UL-94 HB a.A.)
-40°C bis +90°C

Neopren/Chloropren ■ schwarz
-30°C bis +90°C Shore 40A-60A

EPDM ■ schwarz
-40°C bis +120°C

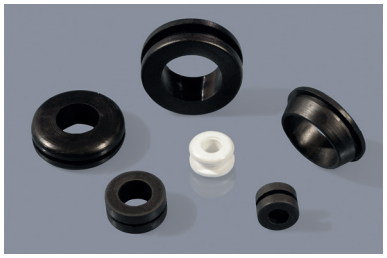
Fortsetzung der Tabelle von der vorhergehenden Seite

| Art.-Nr. PVC | Art.-Nr. TPE | Art.-Nr. Neopren | Art.-Nr. EPDM | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ ca. | AD Ø | Fl | F2 | Typ | | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - | - | 06231 | - | DT ... 09513/17520 | 9,5 | 13,0 | 2,0 | 17,5 | 3,0 | 3,0 | A | | ■ |
| - | - | 06232 | - | DT ... 09513/17530 | 9,5 | 13,0 | 3,0 | 17,5 | 3,0 | 3,0 | A | | ■ |
| - | - | 03251 | - | DT ... 09513/17540 | 9,5 | 13,0 | 4,0 | 17,5 | 3,0 | 3,0 | A | | ■ |
| - | - | 06233 | - | DT ... 09513/17550 | 9,5 | 13,0 | 5,0 | 17,5 | 3,0 | 3,0 | A | | ■ |
| - | - | 06234 | - | DT ... 09513/17580 | 9,5 | 13,0 | 8,0 | 17,5 | 3,0 | 3,0 | A | | ■ |
| 06726 | - | - | - | DT ... 095135/1932 | 9,5 | 13,5 | 3,2 | 19,0 | 3,2 | 3,2 | A | | ■ |
| - | - | 06235 | - | DT ... 09514/17520 | 9,5 | 14,0 | 2,0 | 17,5 | 3,0 | 3,0 | A | | ■ |
| - | - | - | 25436 | DT ... 10118/1720 | 10,0 | 11,8 | 2,0 | 17,0 | 3,0 | 2,0 | A | | ■ |
| 06603 | 05950 | - | 35083 | DT ... 1012/1610 | 10,0 | 12,0 | 1,0 | 16,0 | 2,5 | 2,5 | A | | ■ |
| 06604 | 05951 | - | 35084 | DT ... 1012/1615S | 10,0 | 12,0 | 1,5 | 16,0 | 2,5 | 2,5 | A | | ■ |
| 31279 | - | - | - | DT ... 1012/1615W | 10,0 | 12,0 | 1,5 | 16,0 | 2,5 | 2,5 | A | | □ |
| 03558 | 05952 | - | 35085 | DT ... 1012/1620 | 10,0 | 12,0 | 2,0 | 16,0 | 2,5 | 2,5 | A | | ■ |
| 06605 | 05953 | - | 35086 | DT ... 1012/1630 | 10,0 | 12,0 | 3,0 | 16,0 | 2,5 | 2,5 | A | | ■ |
| 06546 | - | - | - | DT ... 1012/17520 | 10,0 | 12,0 | 2,0 | 17,5 | 2,5 | 2,5 | A | | ■ |
| 06547 | - | - | - | DT ... 1012/17520W | 10,0 | 12,0 | 2,0 | 17,5 | 2,5 | 2,5 | A | | □ |
| 06542 | - | - | - | DT ... 1012/1812 | 10,0 | 12,0 | 1,2 | 18,0 | 3,4 | 3,4 | A | | ■ |
| 06543 | - | - | - | DT ... 1012/1812W | 10,0 | 12,0 | 1,2 | 18,0 | 3,4 | 3,4 | A | | □ |
| 06550 | - | - | - | DT ... 1012/1840 | 10,0 | 12,0 | 4,0 | 18,0 | 3,5 | 3,5 | A | | ■ |
| 06551 | - | - | - | DT ... 1012/1840W | 10,0 | 12,0 | 4,0 | 18,0 | 3,5 | 3,5 | A | | □ |
| 06540 | - | - | - | DT ... 1013/1810 | 10,0 | 13,0 | 1,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| 06541 | - | - | - | DT ... 1013/1810W | 10,0 | 13,0 | 1,0 | 18,0 | 2,5 | 2,5 | A | | □ |
| 06544 | - | - | - | DT ... 1013/1815 | 10,0 | 13,0 | 1,5 | 18,0 | 2,3 | 2,3 | A | | ■ |
| 06545 | - | - | - | DT ... 1013/1815W | 10,0 | 13,0 | 1,5 | 18,0 | 2,3 | 2,3 | A | | □ |
| 06548 | - | - | - | DT ... 1013/1830 | 10,0 | 13,0 | 3,0 | 18,0 | 2,5 | 2,5 | A | | ■ |
| 06549 | - | - | - | DT ... 1013/1830W | 10,0 | 13,0 | 3,0 | 18,0 | 2,5 | 2,5 | A | | □ |
| 06642 | - | - | - | DT ... 1014/1810R | 10,0 | 14,0 | 1,0 | 18,0 | 2,0 | 2,0 | B | | ■ |
| - | - | 06236 | - | DT ... 1014/2010 | 10,0 | 14,0 | 1,0 | 20,0 | 2,0 | 2,0 | A | | ■ |
| 06800 | - | - | - | DT ... 1014/17515K | 10,0 | 14,0 | 1,5 | 17,5 | 4,5 | 2,0 | D | | ■ |
| 06643 | - | - | - | DT ... 1014/1815 | 10,0 | 14,0 | 1,5 | 18,0 | 2,0 | 2,0 | B | | ■ |
| - | - | 06237 | - | DT ... 1014/2015 | 10,0 | 14,0 | 1,5 | 20,0 | 2,0 | 2,0 | A | | ■ |
| 06644 | - | - | - | DT ... 1014/1820R | 10,0 | 14,0 | 2,0 | 18,0 | 2,0 | 2,0 | B | | ■ |
| - | - | 06238 | - | DT ... 1014/2020 | 10,0 | 14,0 | 2,0 | 20,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06239 | - | DT ... 1014/2025 | 10,0 | 14,0 | 2,5 | 20,0 | 2,0 | 2,0 | A | | ■ |
| 06802 | - | - | - | DT ... 1014/17530K | 10,0 | 14,0 | 3,0 | 17,5 | 4,5 | 2,0 | D | | ■ |
| 06645 | - | - | - | DT ... 1014/1830R | 10,0 | 14,0 | 3,0 | 18,0 | 2,0 | 2,0 | B | | ■ |
| - | - | 06240 | - | DT ... 1014/2030 | 10,0 | 14,0 | 3,0 | 20,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06241 | - | DT ... 1016/2015 | 10,0 | 16,0 | 1,5 | 20,0 | 2,0 | 2,0 | A | | ■ |
| 41184 | 05954 | - | - | DT ... 1018/2210 | 10,0 | 18,0 | 1,0 | 22,0 | 2,5 | 2,5 | A | | ■ |
| 06606 | 05955 | - | - | DT ... 1018/2220 | 10,0 | 18,0 | 2,0 | 22,0 | 2,5 | 2,5 | A | | ■ |
| 06607 | 05956 | - | - | DT ... 1018/2230 | 10,0 | 18,0 | 3,0 | 22,0 | 2,5 | 2,5 | A | | ■ |
| 06608 | 05957 | - | - | DT ... 1018/2240 | 10,0 | 18,0 | 4,0 | 22,0 | 2,5 | 2,5 | A | | ■ |
| 06729 | - | - | - | DT ... 11125/1916 | 11,0 | 12,5 | 1,6 | 19,0 | 2,4 | 2,4 | A | | ■ |
| - | - | - | 06242 | DT ... 1114/1910 | 11,0 | 14,0 | 1,0 | 19,0 | 3,0 | 3,0 | A | | ■ |
| - | - | 06243 | - | DT ... 1114/1915 | 11,0 | 14,0 | 1,5 | 19,0 | 3,0 | 3,0 | A | | ■ |
| 06730 | 06775 | - | - | DT ... 1114/1916 | 11,0 | 14,0 | 1,6 | 19,0 | 2,4 | 2,4 | A | | ■ |
| - | - | - | 06244 | DT ... 1114/1920 | 11,0 | 14,0 | 2,0 | 19,0 | 3,0 | 3,0 | A | | ■ |
| - | - | - | 06245 | DT ... 1114/1930 | 11,0 | 14,0 | 3,0 | 19,0 | 3,0 | 3,0 | A | | ■ |
| - | - | 06246 | - | DT ... 1115/1910 | 11,0 | 15,0 | 1,0 | 19,0 | 3,0 | 3,0 | A | | ■ |
| - | - | 06247 | - | DT ... 1115/1915 | 11,0 | 15,0 | 1,5 | 19,0 | 3,0 | 3,0 | A | | ■ |

*[1/2]abw. Material: Silikon · *ID konisch · weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

Fortsetzung der Tabelle auf der folgenden Seite

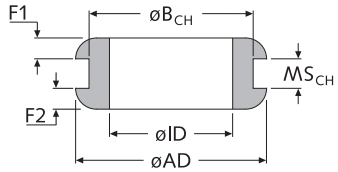
DT PK + DT TK + DT NK



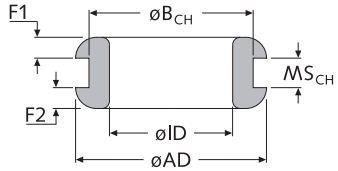
## Durchführungstüllen aus Gummi

*Rubber grommets*

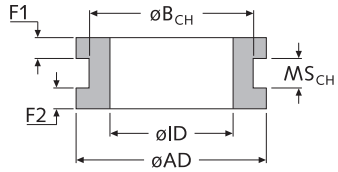
**Typ A** - rund:



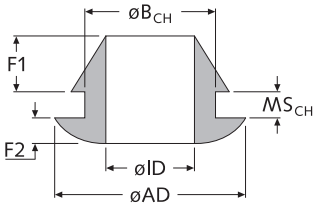

**Typ B** - abgerundet:




**Typ C** - eckig:




**Typ D** - konisch:




**Standard-Material:**

Weich-PVC ■ schwarz / □ weiß
-30°C bis +70°C

TPE ■ schwarz (UL-94 HB a.A.)
-40°C bis +90°C

Neopren/Chloropren ■ schwarz
-30°C bis +90°C Shore 40A-60A

EPDM ■ schwarz
-40°C bis +120°C

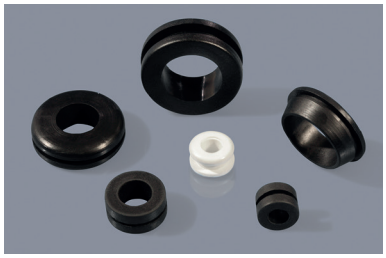
Fortsetzung der Tabelle von der vorhergehenden Seite

| Art.-Nr. PVC | Art.-Nr. TPE | Art.-Nr. Neopren | Art.-Nr. EPDM | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ ca. | AD Ø | F1 | F2 | Typ | | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - | - | 06248 | - | DT ... 1115/1920 | 11,0 | 15,0 | 2,0 | 19,0 | 3,0 | 3,0 | A | | ■ |
| - | - | 06249 | - | DT ... 1115/1925 | 11,0 | 15,0 | 2,5 | 19,0 | 3,0 | 3,0 | A | | ■ |
| - | - | 06250 | - | DT ... 1115/1930 | 11,0 | 15,0 | 3,0 | 19,0 | 3,0 | 3,0 | A | | ■ |
| 03250 | 05958 | - | - | DT ... 1118/2210 | 11,0 | 18,0 | 1,0 | 22,0 | 2,5 | 2,5 | A | | ■ |
| 06609 | 05959 | - | - | DT ... 1118/2220 | 11,0 | 18,0 | 2,0 | 22,0 | 2,5 | 2,5 | A | | ■ |
| 06610 | 05960 | - | - | DT ... 1118/2230 | 11,0 | 18,0 | 3,0 | 22,0 | 2,5 | 2,5 | A | | ■ |
| 06611 | 05961 | - | - | DT ... 1118/2240 | 11,0 | 18,0 | 4,0 | 22,0 | 2,5 | 2,5 | A | | ■ |
| 06732 | - | - | - | DT ... 1119/25548 | 11,0 | 19,0 | 4,8 | 25,5 | 2,4 | 2,4 | A | | ■ |
| 06552 | - | - | - | DT ... 1215/2015 | 12,0 | 15,0 | 1,5 | 20,0 | 2,8 | 2,8 | A | | ■ |
| 40504 | - | - | - | DT ... 1215/2015W | 12,0 | 15,0 | 1,5 | 20,0 | 2,8 | 2,8 | A | | □ |
| 06553 | - | - | - | DT ... 1215/2020 | 12,0 | 15,0 | 2,0 | 20,0 | 2,5 | 2,5 | A | | ■ |
| 40505 | - | - | - | DT ... 1215/2020W | 12,0 | 15,0 | 2,0 | 20,0 | 2,5 | 2,5 | A | | □ |
| 20101 | - | - | - | DT ... 1217/2240 | 12,0 | 17,0 | 4,0 | 22,0 | 3,0 | 3,0 | A | | ■ |
| 06612 | 05962 | - | 35091 | DT ... 1218/2210 | 12,0 | 18,0 | 1,0 | 22,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06251 | - | DT ... 1218/2510 | 12,0 | 18,0 | 1,0 | 25,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06252 | - | DT ... 1218/2515 | 12,0 | 18,0 | 1,5 | 25,0 | 2,5 | 2,5 | A | | ■ |
| 06613 | 05963 | - | 35092 | DT ... 1218/2220 | 12,0 | 18,0 | 2,0 | 22,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06253 | - | DT ... 1218/2520 | 12,0 | 18,0 | 2,0 | 25,0 | 2,5 | 2,5 | A | | ■ |
| 06614 | 05964 | - | 35093 | DT ... 1218/2230 | 12,0 | 18,0 | 3,0 | 22,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06254 | - | DT ... 1218/2530 | 12,0 | 18,0 | 3,0 | 25,0 | 2,5 | 2,5 | A | | ■ |
| 06615 | 05965 | - | 35094 | DT ... 1218/2240 | 12,0 | 18,0 | 4,0 | 22,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06255 | - | DT ... 1218/2540 | 12,0 | 18,0 | 4,0 | 25,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06256 | - | DT ... 1220/2510 | 12,0 | 20,0 | 1,0 | 25,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06257 | - | DT ... 1220/2515 | 12,0 | 20,0 | 1,5 | 25,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06258 | - | DT ... 1220/2520 | 12,0 | 20,0 | 2,0 | 25,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06259 | - | DT ... 1220/2530 | 12,0 | 20,0 | 3,0 | 25,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06260 | - | DT ... 1220/2540 | 12,0 | 20,0 | 4,0 | 25,0 | 2,5 | 2,5 | A | | ■ |
| - | - | 06261 | - | DT ... 12255/4080 | 12,0 | 25,5 | 8,0 | 40,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06262 | - | DT ... 1228/4080 | 12,0 | 28,0 | 8,0 | 40,0 | 4,0 | 4,0 | A | | ■ |
| - | 01247 | - | - | DT ... 125175/2216 | 12,5 | 17,5 | 1,6 | 22,0 | 2,4 | 2,4 | A | | ■ |
| 06736 | - | - | - | DT ... 12519/25516 | 12,5 | 19,0 | 1,6 | 25,5 | 2,4 | 2,4 | A | | ■ |
| 20102 | - | - | - | DT ... 1316/2115 | 13,0 | 16,0 | 1,5 | 21,0 | 2,8 | 2,8 | A | | ■ |
| - | - | 06263 | - | DT ... 1317/2310 | 13,0 | 17,0 | 1,0 | 23,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06264 | - | DT ... 1317/2315 | 13,0 | 17,0 | 1,5 | 23,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06265 | - | DT ... 1317/2320 | 13,0 | 17,0 | 2,0 | 23,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06266 | - | DT ... 1317/2330 | 13,0 | 17,0 | 3,0 | 23,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06267 | - | DT ... 1317/2340 | 13,0 | 17,0 | 4,0 | 23,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06268 | - | DT ... 1317/2350 | 13,0 | 17,0 | 5,0 | 23,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06269 | - | DT ... 1317/2360 | 13,0 | 17,0 | 6,0 | 23,0 | 4,0 | 4,0 | A | | ■ |
| 01248 | - | - | - | DT ... 14175/2216 | 14,0 | 17,5 | 1,6 | 22,0 | 1,7 | 1,7 | A | | ■ |
| 06806 | - | - | - | DT ... 1418/21215K | 14,0 | 18,0 | 1,5 | 21,5 | 4,5 | 2,0 | D | | ■ |
| 06808 | - | - | - | DT ... 1418/21530K | 14,0 | 18,0 | 3,0 | 21,5 | 4,5 | 2,0 | D | | ■ |
| - | 03329 | - | - | DT ... 1418/2430 | 14,0 | 18,0 | 3,0 | 24,0 | 2,0 | 2,0 | A | | ■ |
| - | - | 06270 | - | DT ... 1420/2810 | 14,0 | 20,0 | 1,0 | 28,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06271 | - | DT ... 1420/2815 | 14,0 | 20,0 | 1,5 | 28,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06272 | - | DT ... 1420/2820 | 14,0 | 20,0 | 2,0 | 28,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06273 | - | DT ... 1420/2830 | 14,0 | 20,0 | 3,0 | 28,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06274 | - | DT ... 1420/2840 | 14,0 | 20,0 | 4,0 | 28,0 | 4,0 | 4,0 | A | | ■ |
| 06616 | 05966 | - | - | DT ... 1422/2710 | 14,0 | 22,0 | 1,0 | 27,0 | 3,0 | 3,0 | A | | ■ |

*[1/2]abw. Material: Silikon · *ID konisch · weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

Fortsetzung der Tabelle auf der folgenden Seite

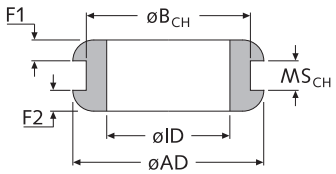
DT PK + DT TK + DT NK



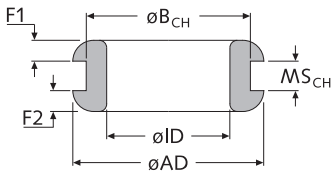
Durchführungstüllen aus Gummi

*Rubber grommets*

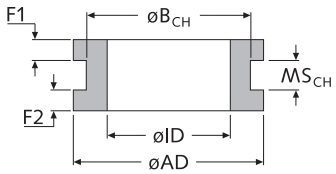
**Typ A** - rund:



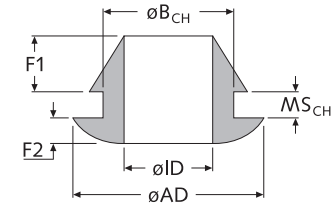

**Typ B** - abgerundet:




**Typ C** - eckig:




**Typ D** - konisch:




**Standard-Material:**

Weich-PVC ■ schwarz / □ weiß
-30°C bis +70°C

TPE ■ schwarz (UL-94 HB a.A.)
-40°C bis +90°C

Neopren/Chloropren ■ schwarz
-30°C bis +90°C Shore 40A-60A

EPDM ■ schwarz
-40°C bis +120°C

[1]Silikon UL-94 HB □ transparent
-50°C bis +200°C

[2]Silikon UL-94 HB ■ schwarz
-50°C bis +200°C

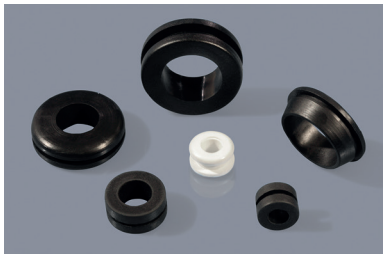
Fortsetzung der Tabelle von der vorhergehenden Seite

| Art.-Nr. PVC | Art.-Nr. TPE | Art.-Nr. Neopren | Art.-Nr. EPDM | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ ca. | AD Ø | Fl | F2 | Typ | | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06617 | 05967 | - | - | DT ... 1422/2715 | 14,0 | 22,0 | 1,5 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 06618 | 05968 | - | - | DT ... 1422/2720 | 14,0 | 22,0 | 2,0 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 06619 | 05969 | - | - | DT ... 1422/2730 | 14,0 | 22,0 | 3,0 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 06620 | 05970 | - | - | DT ... 1422/2740 | 14,0 | 22,0 | 4,0 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 09638 | - | - | - | DT ... 1518/2520 | 15,0 | 18,0 | 2,0 | 25,0 | 3,5 | 3,5 | A | | ■ |
| - | - | 06275 | - | DT ... 1522/2610 | 15,0 | 22,0 | 1,0 | 26,0 | 4,5 | 4,5 | A | | ■ |
| - | - | 06276 | - | DT ... 1522/2615 | 15,0 | 22,0 | 1,5 | 26,0 | 4,5 | 4,5 | A | | ■ |
| - | - | 06277 | - | DT ... 1522/2620 | 15,0 | 22,0 | 2,0 | 26,0 | 4,5 | 4,5 | A | | ■ |
| - | - | 06278 | - | DT ... 1522/2630 | 15,0 | 22,0 | 3,0 | 26,0 | 4,5 | 4,5 | A | | ■ |
| - | - | 06279 | - | DT ... 1522/2680 | 15,0 | 22,0 | 8,0 | 26,0 | 4,5 | 4,5 | A | | ■ |
| 06738 | - | - | - | DT ... 15520/2416 | 15,5 | 20,0 | 1,6 | 24,0 | 2,5 | 2,5 | A | | ■ |
| 06739 | - | - | - | DT ... 1619/2416F | 16,0 | 19,0 | 1,6 | 24,0 | 2,7 | 2,7 | A | | ■ |
| 20103 | - | - | - | DT ... 1620/2515 | 16,0 | 20,0 | 1,5 | 25,0 | 2,8 | 2,8 | A | | ■ |
| 20104 | - | - | - | DT ... 1620/2520 | 16,0 | 20,0 | 2,0 | 25,0 | 2,5 | 2,5 | A | | ■ |
| 20105 | - | - | - | DT ... 1620/2525 | 16,0 | 20,0 | 2,5 | 25,0 | 2,8 | 2,8 | A | | ■ |
| - | - | 52464[2] | - | DT ... 1622/29510 | 16,0 | 22,0 | 1,0 | 29,5 | 4,0 | 4,0 | A | | ■ |
| - | - | 06281 | - | DT ... 1622/29515 | 16,0 | 22,0 | 1,5 | 29,5 | 4,0 | 4,0 | A | | ■ |
| - | - | 06282 | - | DT ... 1622/29520 | 16,0 | 22,0 | 2,0 | 29,5 | 4,0 | 4,0 | A | | ■ |
| - | - | 06283 | - | DT ... 1622/29530 | 16,0 | 22,0 | 3,0 | 29,5 | 4,0 | 4,0 | A | | ■ |
| 20106 | - | - | - | DT ... 1624/3030 | 16,0 | 24,0 | 3,0 | 30,0 | 4,0 | 4,0 | A | | ■ |
| 06740 | - | - | - | DT ... 16205/2712 | 16,0 | 20,5 | 1,2 | 27,0 | 3,9 | 3,9 | A | | ■ |
| 02843 | 05971 | - | 35095 | DT ... 1622/2710 | 16,0 | 22,0 | 1,0 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 02844 | 05972 | - | 35096 | DT ... 1622/2715 | 16,0 | 22,0 | 1,5 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 06621 | 05973 | - | 35097 | DT ... 1622/2720 | 16,0 | 22,0 | 2,0 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 06622 | 05974 | - | 35098 | DT ... 1622/2730 | 16,0 | 22,0 | 3,0 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 06623 | 05975 | - | 35099 | DT ... 1622/2740 | 16,0 | 22,0 | 4,0 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 01249 | 06784 | - | - | DT ... 17519/2416 | 17,5 | 19,0 | 1,6 | 24,0 | 1,7 | 1,7 | A | | ■ |
| 06624 | 05976 | - | - | DT ... 1822/2710 | 18,0 | 22,0 | 1,0 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 06625 | 05977 | - | - | DT ... 1822/2715 | 18,0 | 22,0 | 1,5 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 06626 | 05978 | - | - | DT ... 1822/2720 | 18,0 | 22,0 | 2,0 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 06814 | - | - | - | DT ... 1822/25530K | 18,0 | 22,0 | 3,0 | 25,5 | 4,5 | 2,0 | D | | ■ |
| 06627 | 05979 | - | - | DT ... 1822/2730 | 18,0 | 22,0 | 3,0 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 06628 | 05980 | - | - | DT ... 1822/2740 | 18,0 | 22,0 | 4,0 | 27,0 | 3,0 | 3,0 | A | | ■ |
| 06741 | - | - | - | DT ... 18525/31512 | 18,5 | 25,0 | 1,2 | 31,5 | 3,2 | 3,2 | A | | ■ |
| - | - | 06284 | - | DT ... 18525/32515 | 18,5 | 25,0 | 1,5 | 32,5 | 4,5 | 4,5 | A | | ■ |
| 06742 | 01250 | - | - | DT ... 18525/31516 | 18,5 | 25,0 | 1,6 | 31,5 | 3,2 | 3,2 | A | | ■ |
| - | - | 06309 | - | DT ... 1925/32065E | 19,0 | 25,0 | 6,5 | 32,0 | 3,0 | 3,0 | C | | ■ |
| - | - | - | 06310 | DT ... 1925/32135E | 19,0 | 25,0 | 13,5 | 32,0 | 3,0 | 3,0 | C | | ■ |
| - | - | 06285 | - | DT ... 2028/3610 | 20,0 | 28,0 | 1,0 | 36,0 | 5,0 | 5,0 | A | | ■ |
| - | - | 06286 | - | DT ... 2028/3615 | 20,0 | 28,0 | 1,5 | 36,0 | 5,0 | 5,0 | A | | ■ |
| - | - | 06287 | - | DT ... 2028/3620 | 20,0 | 28,0 | 2,0 | 36,0 | 5,0 | 5,0 | A | | ■ |
| - | - | 06288 | - | DT ... 2028/3630 | 20,0 | 28,0 | 3,0 | 36,0 | 5,0 | 5,0 | A | | ■ |
| - | - | 06289 | - | DT ... 2028/3640 | 20,0 | 28,0 | 4,0 | 36,0 | 5,0 | 5,0 | A | | ■ |
| - | - | 06290 | - | DT ... 2028/3660 | 20,0 | 28,0 | 6,0 | 36,0 | 5,0 | 5,0 | A | | ■ |
| 20107 | - | - | - | DT ... 2030/3330 | 20,0 | 30,0 | 3,0 | 33,0 | 4,0 | 4,0 | A | | ■ |
| 34998 | - | - | - | DT ... 2030/3330W | 20,0 | 30,0 | 3,0 | 33,0 | 4,0 | 4,0 | A | | □ |
| - | - | - | 35102 | DT ... 2127/3430 | 21,0 | 27,0 | 3,0 | 34,0 | 4,0 | 4,0 | A | | ■ |
| - | 01251 | - | - | DT ... 22255/3016 | 22,0 | 25,5 | 1,6 | 30,0 | 3,2 | 3,2 | A | | ■ |
| 06815 | - | - | - | DT ... 2226/29515K | 22,0 | 26,0 | 1,5 | 29,5 | 4,5 | 2,0 | D | | ■ |

*[1/2]abw. Material: Silikon · *ID konisch · weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

Fortsetzung der Tabelle auf der folgenden Seite

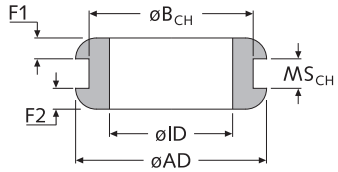
DT PK + DT TK + DT NK



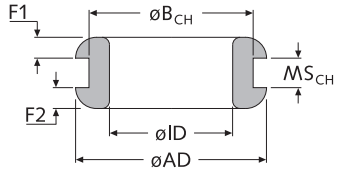
## Durchführungstüllen aus Gummi

*Rubber grommets*

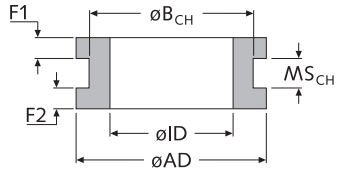
**Typ A** - rund:



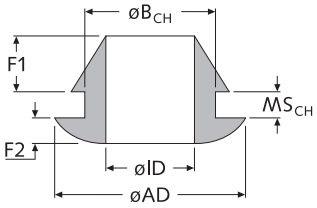

**Typ B** - abgerundet:




**Typ C** - eckig:




**Typ D** - konisch:




Fortsetzung der Tabelle von der vorhergehenden Seite

| Art.-Nr. PVC | Art.-Nr. TPE | Art.-Nr. Neopren | Art.-Nr. EPDM | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ ca. | AD Ø | F1 | F2 | Typ | | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06817 | - | - | - | DT ... 2226/29530K | 22,0 | 26,0 | 3,0 | 29,5 | 4,5 | 2,0 | D | | ■ |
| 20109 | - | - | - | DT ... 2328/3320 | 23,0 | 28,0 | 2,0 | 33,0 | 3,0 | 3,0 | A | | ■ |
| 20108 | - | - | - | DT ... 2329/3915 | 23,0 | 29,0 | 1,5 | 39,0 | 4,3 | 4,3 | A | | ■ |
| 20110 | - | - | - | DT ... 2329/3930 | 23,0 | 29,0 | 3,0 | 39,0 | 3,5 | 3,5 | A | | ■ |
| 34997 | - | - | - | DT ... 2329/3930W | 23,0 | 29,0 | 3,0 | 39,0 | 3,5 | 3,5 | A | | □ |
| - | - | 06291 | - | DT ... 2330/3820 | 23,0 | 30,0 | 2,0 | 38,0 | 3,5 | 3,5 | A | | ■ |
| - | - | 06292 | - | DT ... 2330/3830 | 23,0 | 30,0 | 3,0 | 38,0 | 3,5 | 3,5 | A | | ■ |
| - | - | 06293 | - | DT ... 2330/3840 | 23,0 | 30,0 | 4,0 | 38,0 | 3,5 | 3,5 | A | | ■ |
| - | - | 06294 | - | DT ... 2330/3860 | 23,0 | 30,0 | 6,0 | 38,0 | 3,5 | 3,5 | A | | ■ |
| 06818 | - | - | - | DT ... 2428/31515K | 24,0 | 28,0 | 1,5 | 31,5 | 4,5 | 2,0 | D | | ■ |
| 20111 | - | - | - | DT ... 2530/3530 | 25,0 | 30,0 | 3,0 | 35,0 | 3,0 | 3,0 | A | | ■ |
| 06744 | 01252 | - | - | DT ... 2531/3816 | 25,0 | 31,0 | 1,6 | 38,0 | 3,2 | 3,2 | A | | ■ |
| - | - | 06295 | - | DT ... 2547/56515 | 25,0 | 47,0 | 1,5 | 56,5 | 4,5 | 4,5 | A | | ■ |
| 06745 | - | - | - | DT ... 255305/44532 | 25,5 | 30,5 | 3,2 | 44,5 | 3,4 | 3,4 | A | | ■ |
| - | - | 06296 | - | DT ... 3035/4010 | 30,0 | 35,0 | 1,0 | 40,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06297 | - | DT ... 3035/4015 | 30,0 | 35,0 | 1,5 | 40,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06298 | - | DT ... 3035/4020 | 30,0 | 35,0 | 2,0 | 40,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06299 | - | DT ... 3035/4030 | 30,0 | 35,0 | 3,0 | 40,0 | 4,0 | 4,0 | A | | ■ |
| - | - | 06300 | - | DT ... 3035/4040 | 30,0 | 35,0 | 4,0 | 40,0 | 4,0 | 4,0 | A | | ■ |
| 06747 | - | - | - | DT ... 31237/45516 | 31,2 | 37,0 | 1,6 | 45,5 | 4,5 | 4,5 | A | | ■ |
| - | - | 35104 | - | DT ... 3140/4810 | 31,0 | 40,0 | 1,0 | 48,0 | 5,5 | 5,5 | A | | ■ |
| - | - | 35105 | - | DT ... 3140/4820 | 31,0 | 40,0 | 2,0 | 48,0 | 5,5 | 5,5 | A | | ■ |
| - | - | 35106 | - | DT ... 3140/4830 | 31,0 | 40,0 | 3,0 | 48,0 | 5,5 | 5,5 | A | | ■ |
| - | - | 35107 | - | DT ... 3140/4840 | 31,0 | 40,0 | 4,0 | 48,0 | 5,5 | 5,5 | A | | ■ |
| - | - | 35108 | - | DT ... 4152/6010 | 41,0 | 52,0 | 1,0 | 60,0 | 6,0 | 6,0 | A | | ■ |
| - | - | 35109 | - | DT ... 4152/6020 | 41,0 | 52,0 | 2,0 | 60,0 | 6,0 | 6,0 | A | | ■ |
| - | - | 35110 | - | DT ... 4152/6030 | 41,0 | 52,0 | 3,0 | 60,0 | 6,0 | 6,0 | A | | ■ |
| - | - | 35111 | - | DT ... 4152/6040 | 41,0 | 52,0 | 4,0 | 60,0 | 6,0 | 6,0 | A | | ■ |
| - | 06788 | - | - | DT ... 3237/4616 | 32,0 | 37,0 | 1,6 | 46,0 | 4,0 | 4,0 | A | | ■ |
| 06748 | 06789 | - | - | DT ... 3238/4630 | 32,0 | 38,0 | 3,0 | 46,0 | 4,0 | 4,0 | A | | ■ |
| 06749 | 06790 | - | - | DT ... 4550/6016 | 45,0 | 50,0 | 1,6 | 60,0 | 4,2 | 4,2 | A | | ■ |
| - | - | - | 06301 | DT ... 4860/6825 | 48,0 | 60,0 | 2,5 | 68,0 | 3,8 | 3,8 | A | | ■ |
| - | - | 35440 | - | DT ... 4860/6830 | 48,0 | 60,0 | 3,0 | 68,0 | 3,8 | 3,8 | A | | ■ |
| - | - | 35440 | - | DT ... 4860/6840 | 48,0 | 60,0 | 4,0 | 68,0 | 3,8 | 3,8 | A | | ■ |
| - | - | 35440 | - | DT ... 4860/6860 | 48,0 | 60,0 | 6,0 | 68,0 | 3,8 | 3,8 | A | | ■ |
| - | - | 06311 | - | DT ... 94101/10930E | 94,0 | 101 | 3,0 | 109 | 5,5 | 5,5 | C | | ■ |

*[1] / [2] abw. Material: Silikon · *ID konisch · weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

**Standard-Material:**

Weich-PVC ■ schwarz / □ weiß
-30°C bis +70°C

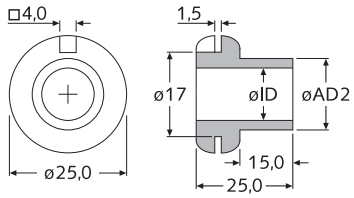
TPE ■ schwarz (UL-94 HB a.A.)
-40°C bis +90°C

Neopren/Chloropren ■ schwarz
-30°C bis +90°C Shore 40A-60A

EPDM ■ schwarz
-40°C bis +120°C

## DT NK

Neopren-Durchführungstüllen,
mit Hals / Knickschutz
*Sleeved Neoprene grommets*
*with kink protection*

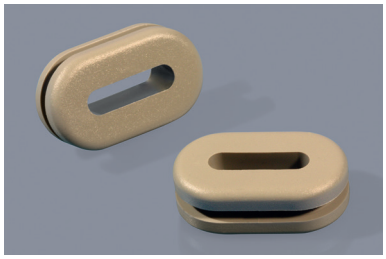



| Art.-Nr. schwarz | Artikel-Bez. | ID ø | AD2 ø | Farbe |
|---|---|---|---|---|
| 06881 | DT NK 0217/2515H15 | 2,0 | 4,3 | ■ |
| 06882 | DT NK 0417/2515H15 | 4,0 | 6,3 | ■ |
| 06883 | DT NK 0617/2515H15 | 6,0 | 8,3 | ■ |
| 06884 | DT NK 0817/2515H15 | 8,0 | 10,5 | ■ |
| 06885 | DT NK 10517/2515H15 | 10,5 | 13,5 | ■ |
| 06886 | DT NK 1317/2515H15 | 13,0 | 16,0 | ■ |

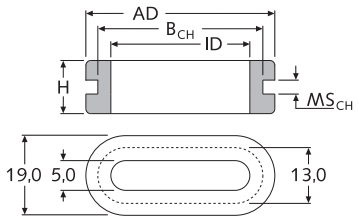
*weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

**Standard-Material:** Neopren/Chloropren Shore 40A-60A ■ schwarz -30°C bis +90°C

## DT PKL



PVC-Langloch-Durchführungstüllen
*Oval PVC grommets*

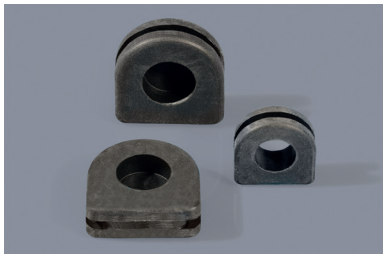



| Art.-Nr. | Artikel-Bez. | ID | $B_{CH}$ | $MS_{CH}$ ca. | AD | H | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|
| 18631 | DT PKL 0519-1427/1933-30 sw | 19,0 | 27,0 | 3,0 | 33,0 | 11,0 | | ■ |
| 18632 | DT PKL 0519-1427/1933-30 gr | 19,0 | 27,0 | 3,0 | 33,0 | 11,0 | | ■ |
| 18633 | DT PKL 0529-1437/1943-30 sw | 29,0 | 37,0 | 3,0 | 43,0 | 11,0 | | ■ |
| 18634 | DT PKL 0529-1437/1943-30 gr | 29,0 | 37,0 | 3,0 | 43,0 | 11,0 | | ■ |
| 18635 | DT PKL 0544-1452/1958-30 sw | 44,0 | 52,0 | 3,0 | 58,0 | 11,0 | | ■ |
| 18636 | DT PKL 0544-1452/1958-30 gr | 44,0 | 52,0 | 3,0 | 58,0 | 11,0 | | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

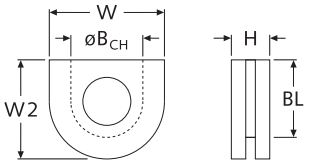
**Standard-Material:** Weich-PVC UL-94 HB ■ schwarz -30°C bis +70°C Shore 40A-60A
Weich-PVC UL-94 HB ■ grau -30°C bis +70°C Shore 40A-60A

## DT NK + DT PK + DT M



Durchführungstüllen, mit Rand geschlossen, geschlitzt oder offen

*Grommets with flat edge closed, cut or open*

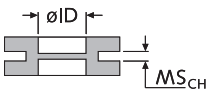



| Art.-Nr. | Artikel-Bez. | ID | $B_{CH}$ | $MS_{CH}$ ca. | W | W2 | H | BL | Typ | Material | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20441 | DT PK 05075/1210-P | 5,0 | 7,5 | 1,0 | 12,0 | 9,5 | 4,0 | 7,5 | C | PVC | ■ |
| NEW 53730 | DT NK 05710/1213-P | 5,7 | 10,0 | 1,3 | 12,0 | 10,5 | 6,5 | 9,5 | D | EPDM | ■ |
| 18626 | DT NK 07105/1414-P | 7,0 | 10,5 | 1,5 | 13,8 | 13,8 | 5,5 | 12,0 | C | EPDM | ■ |
| 18627 | DT M 09138/1920N-P | 9,0 | 13,8 | 2,0 | 19,0 | 19,0 | 7,0 | 16,3 | A | EPDM | ■ |
| 24379 | DT M 13520/2420T-P | 13,5 | 20,0 | 2,0 | 24,0 | 24,0 | 9,0 | 22,0 | A | TPE | ■ |
| 24377 | DT M 13520/2420P-P | 13,5 | 20,0 | 2,0 | 24,0 | 24,0 | 9,0 | 22,0 | A | PVC | ■ |
| 24378 | DT M 13520/2420P-PS | 13,5 | 20,0 | 2,0 | 24,0 | 24,0 | 9,0 | 22,0 | B | PVC | ■ |
| 06673 | DT M 13520/2440T-P | 13,5 | 20,0 | 4,0 | 24,0 | 24,0 | 9,0 | 22,0 | A | TPE | ■ |
| 06663 | DT M 13520/2440P-P | 13,5 | 20,0 | 4,0 | 24,0 | 24,0 | 9,0 | 22,0 | A | PVC | ■ |
| 06664 | DT M 13520/2440P-PS | 13,5 | 20,0 | 4,0 | 24,0 | 24,0 | 9,0 | 22,0 | B | PVC | ■ |

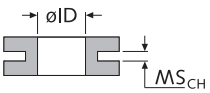
*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

**Standard-Material:** Weich-PVC ■ schwarz -30°C bis +70°C
TPE ■ schwarz -40°C bis +90°C (UL-94 HB auf Anfrage)
EPDM ■ schwarz -40°C bis +120°C

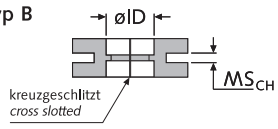
Typ A



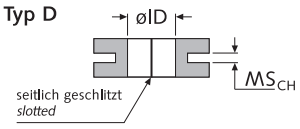

Typ C



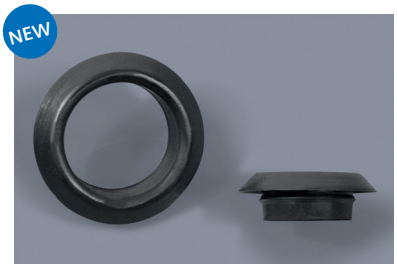

Typ B




Typ D

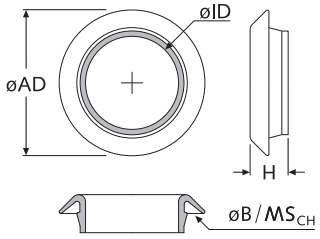



## ST TPE



Durchführungstüllen aus TPE, einschnappend

*TPE rubber snap bushings*

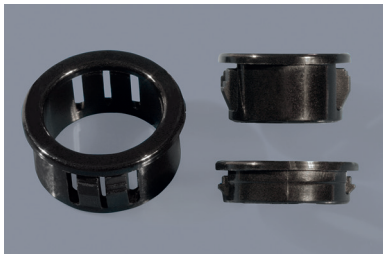



| Art.-Nr. schwarz | Artikel-Bez. | ID ø | $B_{CH}$ ø | $MS_{CH}$ max | AD ø | H | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|
| 47481 | ST TPE 071095/17824S | 7,1 | 9,5 | 2,4 | 17,8 | 9,1 | | ■ |
| 47475 | ST TPE 104127/20620S | 10,4 | 12,7 | 2,0 | 20,6 | 7,1 | | ■ |
| 47482 | ST TPE 104127/21124S | 10,4 | 12,7 | 2,4 | 21,1 | 9,1 | | ■ |
| 47476 | ST TPE 132159/23620S | 13,2 | 15,9 | 2,0 | 23,6 | 7,9 | | ■ |
| 47483 | ST TPE 135159/24124S | 13,5 | 15,9 | 2,4 | 24,1 | 9,1 | | ■ |
| 47477 | ST TPE 165191/26920S | 16,5 | 19,1 | 2,0 | 26,9 | 8,9 | | ■ |
| 47484 | ST TPE 168191/27232S | 16,8 | 19,1 | 3,2 | 27,2 | 9,1 | | ■ |
| 47478 | ST TPE 196222/30220S | 19,6 | 22,2 | 2,0 | 30,2 | 8,9 | | ■ |
| 47485 | ST TPE 201222/30532S | 20,1 | 22,2 | 3,2 | 30,5 | 9,1 | | ■ |
| 47479 | ST TPE 226254/33520S | 22,6 | 25,4 | 2,0 | 33,5 | 8,9 | | ■ |
| 47486 | ST TPE 231254/33832S | 23,1 | 25,4 | 3,2 | 33,8 | 9,1 | | ■ |
| 47487 | ST TPE 257278/36132S | 25,7 | 27,8 | 3,2 | 36,1 | 9,1 | | ■ |
| 47480 | ST TPE 284318/40620S | 28,4 | 31,8 | 2,0 | 40,6 | 8,9 | | ■ |
| 47488 | ST TPE 290318/39932S | 29,0 | 31,8 | 3,2 | 39,9 | 9,1 | | ■ |
| 47489 | ST TPE 320349/43232S | 32,0 | 34,9 | 3,2 | 43,2 | 9,1 | | ■ |
| 47490 | ST TPE 353381/46532S | 35,3 | 38,1 | 3,2 | 46,5 | 9,1 | | ■ |
| 47491 | ST TPE 480508/59232S | 48,0 | 50,8 | 3,2 | 59,2 | 9,1 | | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ siehe Webseite*

**Standard-Material:** TPE UL-94 HB ■ schwarz -40°C bis +90°C

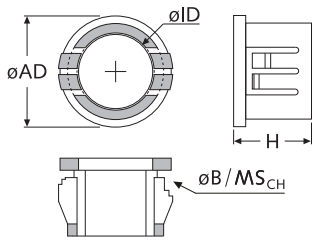
ST PA



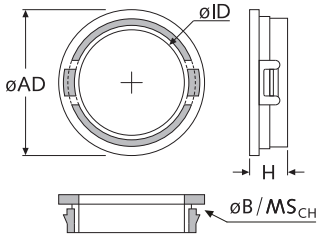
Durchführungstüllen aus Kunststoff

*Plastic snap bushings*

**Typ N** - normal - Standard:




**Typ M** - Miniatur- niedrige Einbautiefe:




**Standard-Material:**

PA UL-94 V2 ■ schwarz / □ weiß

-40°C bis +105°C

| Art.-Nr. schwarz | Art.-Nr. weiß | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ max. | AD Ø | H | Typ | |
|---|---|---|---|---|---|---|---|---|---|
| 05264 | 09494 | ST PA 032047/06316... | 3,2 | 4,7 | 1,6 | 6,3 | 6,0 | M | |
| 47201 | 47202 | ST PA 032055/07112... | 3,2 | 5,5 | 1,2 | 7,1 | 6,0 | M | |
| 05265 | 09495 | ST PA 032055/07116... | 3,2 | 5,5 | 1,6 | 7,1 | 6,0 | M | |
| 47203 | 47204 | ST PA 032064/07910... | 3,2 | 6,4 | 1,0 | 7,9 | 6,0 | M | |
| 06891 | 06892 | ST PA 032064/07916... | 3,2 | 6,4 | 1,6 | 7,9 | 7,9 | N | |
| 47205 | 47206 | ST PA 047064/07912... | 4,7 | 6,4 | 1,2 | 7,9 | 6,0 | M | |
| 06893 | 06894 | ST PA 048079/09516... | 4,8 | 7,9 | 1,6 | 9,5 | 7,9 | N | |
| 06895 | 06896 | ST PA 048095/11932... | 4,8 | 9,5 | 3,2 | 11,9 | 10,3 | N | |
| 05266 | 09496 | ST PA 055071/08716... | 5,5 | 7,1 | 1,6 | 8,7 | 6,0 | M | |
| 05268 | 09497 | ST PA 055087/10316... | 5,5 | 8,7 | 1,6 | 10,3 | 6,3 | M | |
| 47207 | 47208 | ST PA 056071/08712... | 5,6 | 7,1 | 1,2 | 8,7 | 6,0 | M | |
| 47238 | 47239 | ST PA 056087/10312... | 5,6 | 8,7 | 1,2 | 10,3 | 6,4 | M | |
| 47263 | 47264 | ST PA 062078/09716... | 6,2 | 7,8 | 1,6 | 9,7 | 6,0 | M | |
| 06905 | 06906 | ST PA 062111/13532... | 6,2 | 11,1 | 3,2 | 13,5 | 10,3 | N | |
| 47236 | 47237 | ST PA 063079/09512... | 6,3 | 7,9 | 1,2 | 9,5 | 6,0 | M | |
| 47240 | 47241 | ST PA 063095/11112... | 6,3 | 9,5 | 1,2 | 11,1 | 6,4 | M | |
| 05267 | 09498 | ST PA 064079/09516... | 6,4 | 7,9 | 1,6 | 9,5 | 6,0 | M | |
| 05269 | 09499 | ST PA 064095/11116... | 6,4 | 9,5 | 1,6 | 11,1 | 6,3 | M | |
| 06897 | 06898 | ST PA 064095/11932... | 6,4 | 9,5 | 3,2 | 11,9 | 10,3 | N | |
| 06901 | 06902 | ST PA 064111/13532... | 6,4 | 11,1 | 3,2 | 13,5 | 10,3 | N | |
| 06907 | 06908 | ST PA 064127/14732... | 6,4 | 12,7 | 3,2 | 14,7 | 10,3 | N | |
| 06917 | 06918 | ST PA 064159/18232... | 6,4 | 15,9 | 3,2 | 18,2 | 10,3 | N | |
| 47265 | 47266 | ST PA 067099/10916... | 6,7 | 9,9 | 1,6 | 10,9 | 6,4 | M | |
| 06899 | 06900 | ST PA 071095/11943... | 7,1 | 9,5 | 4,3 | 11,9 | 10,3 | N | |
| 05270 | 09500 | ST PA 071103/11916... | 7,1 | 10,3 | 1,6 | 11,9 | 6,3 | M | |
| 05271 | 09501 | ST PA 079111/12716... | 7,9 | 11,1 | 1,6 | 12,7 | 6,3 | M | |
| 06903 | 06904 | ST PA 079111/13532... | 7,9 | 11,1 | 3,2 | 13,5 | 10,3 | N | |
| 06909 | 06910 | ST PA 079127/14732... | 7,9 | 12,7 | 3,2 | 14,7 | 10,3 | N | |
| 06912 | 06913 | ST PA 079143/16732... | 7,9 | 14,3 | 3,2 | 16,7 | 10,3 | N | |
| 05272 | 09502 | ST PA 087119/13516... | 8,7 | 11,9 | 1,6 | 13,5 | 6,3 | M | |
| 05273 | 09503 | ST PA 095127/14316... | 9,5 | 12,7 | 1,6 | 14,3 | 6,3 | M | |
| 03584 | 06911 | ST PA 095127/14732... | 9,5 | 12,7 | 3,2 | 14,7 | 10,3 | N | |
| 47267 | 47268 | ST PA 095130/14316... | 9,5 | 13,0 | 1,6 | 14,3 | 6,4 | M | |
| 06914 | 06915 | ST PA 095143/16732... | 9,5 | 14,3 | 3,2 | 16,7 | 10,3 | N | |
| 06929 | 06930 | ST PA 095191/21432... | 9,5 | 19,1 | 3,2 | 21,4 | 10,3 | N | |
| 06943 | 06944 | ST PA 095222/24232... | 9,5 | 22,2 | 3,2 | 24,2 | 11,5 | N | |
| 47441 | 47442 | ST PA 099127/14764... | 9,9 | 12,7 | 6,4 | 14,7 | 14,3 | N | |
| 47276 | 47277 | ST PA 100130/13725... | 10,0 | 13,0 | 2,5 | 13,7 | 10,3 | N | |
| 05274 | 09504 | ST PA 103135/15116... | 10,3 | 13,5 | 1,6 | 15,1 | 6,3 | M | |
| 03585 | 06916 | ST PA 111143/16732... | 11,1 | 14,3 | 3,2 | 16,7 | 10,3 | N | |
| 06919 | 06920 | ST PA 111159/18232... | 11,1 | 15,9 | 3,2 | 18,2 | 10,3 | N | |
| 06945 | 06946 | ST PA 111222/24232... | 11,1 | 22,2 | 3,2 | 24,2 | 11,5 | N | |
| 05275 | 09505 | ST PA 119151/16716... | 11,9 | 15,1 | 1,6 | 16,7 | 6,3 | M | |
| 47278 | 47279 | ST PA 120160/18525... | 12,0 | 16,0 | 2,5 | 18,5 | 10,3 | N | |
| 05276 | 09506 | ST PA 127159/17916... | 12,7 | 17,9 | 1,6 | 17,9 | 6,3 | M | |
| 06921 | 06922 | ST PA 127159/18232... | 12,7 | 15,9 | 3,2 | 18,2 | 10,3 | N | |
| 06923 | 06924 | ST PA 127159/17964... | 12,7 | 15,9 | 6,4 | 17,9 | 13,5 | N | |
| 06925 | 06926 | ST PA 127174/19832... | 12,7 | 17,4 | 3,2 | 19,8 | 10,3 | N | |
| 06931 | 06932 | ST PA 127191/21432... | 12,7 | 19,1 | 3,2 | 21,4 | 10,3 | N | |

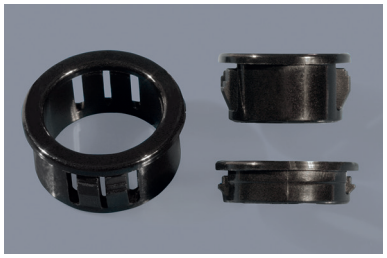
*weitere Abmessungen a. A. · Unit: mm · MOQ siehe Webseite*

Fortsetzung der Tabelle auf der folgenden Seite

Artikel-Bez. für PA-Durchführungtülle:
schwarz, Artikel-Nr.: 06897

ST PA 064095/11932 S
- Farbe
- Typ + Maße

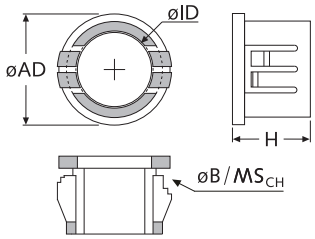
ST PA



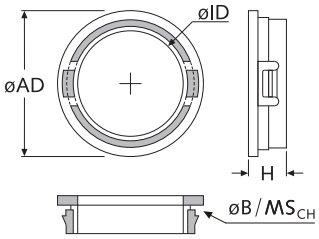
Durchführungstüllen aus Kunststoff

*Plastic snap bushings*

**Typ N** - normal - Standard:




**Typ M** - Miniatur- niedrige Einbautiefe:




**Standard-Material:**

PA UL-94 V2 ■ schwarz / □ weiß

-40°C bis +105°C

Artikel-Bez. für PA-Durchführungtülle:
schwarz, Artikel-Nr.: 06897

ST PA 064095/11932 S
- Farbe
- Typ + Maße

Fortsetzung der Tabelle von der vorhergehenden Seite

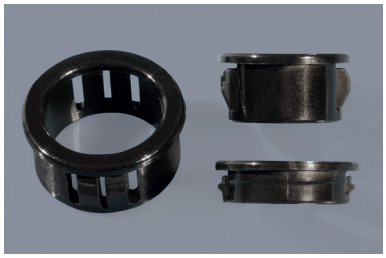
| Art.-Nr. schwarz | Art.-Nr. weiß | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ max. | AD Ø | H | Typ | |
|---|---|---|---|---|---|---|---|---|---|
| 06947 | 06948 | ST PA 127222/24232... | 12,7 | 22,2 | 3,2 | 24,2 | 11,5 | N | |
| 06927 | 06928 | ST PA 143174/19832... | 14,3 | 17,4 | 3,2 | 19,8 | 10,3 | N | |
| 06933 | 06934 | ST PA 143191/21432... | 14,3 | 19,1 | 3,2 | 21,4 | 10,3 | N | |
| 06939 | 06940 | ST PA 143206/22632... | 14,3 | 20,6 | 3,2 | 22,6 | 10,3 | N | |
| 06949 | 06950 | ST PA 143222/24232... | 14,3 | 22,2 | 3,2 | 24,2 | 11,5 | N | |
| 47269 | 47270 | ST PA 144174/19316... | 14,4 | 17,4 | 1,6 | 19,3 | 6,4 | M | |
| 06935 | 06936 | ST PA 155191/21432... | 15,5 | 19,1 | 3,2 | 21,4 | 10,3 | N | |
| 05277 | 09507 | ST PA 159191/21016... | 15,9 | 19,1 | 1,6 | 21,0 | 6,3 | M | |
| 06937 | 06938 | ST PA 159191/21064... | 15,9 | 19,1 | 6,4 | 21,0 | 13,5 | N | |
| 05278 | 09508 | ST PA 159198/21816... | 15,9 | 19,8 | 1,6 | 21,8 | 6,3 | M | |
| 06941 | 06942 | ST PA 159206/22632... | 15,9 | 20,6 | 3,2 | 22,6 | 10,3 | N | |
| 06951 | 06952 | ST PA 159222/24232... | 15,9 | 22,2 | 3,2 | 24,2 | 11,5 | N | |
| 47280 | 47281 | ST PA 160200/22625... | 16,0 | 20,0 | 2,5 | 22,6 | 10,3 | N | |
| 06953 | 06954 | ST PA 174222/24232... | 17,4 | 22,2 | 3,2 | 24,2 | 11,5 | N | |
| 47443 | 47444 | ST PA 175222/24264... | 17,5 | 22,2 | 6,4 | 24,2 | 14,3 | N | |
| 47282 | 47283 | ST PA 182220/24125... | 18,2 | 22,0 | 2,5 | 24,1 | 11,5 | N | |
| 05279 | 09509 | ST PA 190222/23816... | 19,0 | 22,2 | 1,6 | 23,8 | 6,3 | M | |
| 47284 | 47285 | ST PA 190250/27825... | 19,0 | 25,0 | 2,5 | 27,8 | 11,5 | N | |
| 06955 | 06956 | ST PA 191254/28632... | 19,1 | 25,4 | 3,2 | 28,6 | 11,5 | N | |
| 47445 | 47446 | ST PA 194254/28664... | 19,4 | 25,4 | 6,4 | 28,6 | 14,3 | N | |
| 47439 | 47440 | ST PA 203254/28843... | 20,3 | 25,4 | 4,3 | 28,8 | 11,4 | N | |
| 06957 | 06958 | ST PA 206280/30932... | 20,6 | 28,0 | 3,2 | 30,9 | 11,5 | N | |
| 06959 | 06960 | ST PA 222280/30932... | 22,2 | 28,0 | 3,2 | 30,9 | 11,5 | N | |
| 06969 | 06970 | ST PA 222349/37332... | 22,2 | 34,9 | 3,2 | 37,3 | 11,5 | N | |
| 47271 | 47272 | ST PA 223254/27016... | 22,3 | 25,4 | 1,6 | 27,0 | 6,4 | M | |
| 06961 | 06962 | ST PA 238280/30932... | 23,8 | 28,0 | 3,2 | 30,9 | 11,5 | N | |
| 47447 | 47448 | ST PA 238282/30964... | 23,8 | 28,2 | 6,4 | 30,9 | 14,3 | N | |
| 06963 | 06964 | ST PA 238301/33332... | 23,8 | 30,1 | 3,2 | 33,3 | 11,5 | N | |
| 47449 | 47450 | ST PA 238302/33364... | 23,8 | 30,2 | 6,4 | 33,3 | 14,3 | N | |
| 06965 | 06966 | ST PA 238318/34532... | 23,8 | 31,8 | 3,2 | 34,5 | 11,5 | N | |
| 47286 | 47287 | ST PA 240280/31325... | 24,0 | 28,0 | 2,5 | 31,3 | 11,5 | N | |
| 47273 | 47274 | ST PA 246278/29416... | 24,6 | 27,8 | 1,6 | 29,4 | 6,5 | M | |
| 06967 | 06968 | ST PA 254318/34532... | 25,4 | 31,8 | 3,2 | 34,5 | 11,5 | N | |
| 47451 | 47454 | ST PA 254318/33264... | 25,4 | 31,8 | 6,4 | 33,2 | 14,3 | N | |
| 06971 | 06972 | ST PA 254349/37332... | 25,4 | 34,9 | 3,2 | 37,3 | 11,5 | N | |
| 47455 | 47456 | ST PA 254349/38164... | 25,4 | 34,9 | 6,4 | 38,1 | 14,3 | N | |
| 47288 | 47289 | ST PA 260320/34925... | 26,0 | 32,0 | 2,5 | 34,9 | 11,5 | N | |
| 47290 | 47291 | ST PA 262342/36825... | 26,2 | 34,2 | 2,5 | 36,8 | 11,5 | N | |
| 06973 | 06974 | ST PA 270381/40932... | 27,0 | 38,1 | 3,2 | 40,9 | 11,5 | N | |
| 06975 | 06976 | ST PA 286381/40932... | 28,6 | 38,1 | 3,2 | 40,9 | 11,5 | N | |
| 06977 | 06978 | ST PA 333381/40932... | 33,3 | 38,1 | 3,2 | 40,9 | 11,5 | N | |
| 47457 | 47458 | ST PA 333381/41264... | 33,3 | 38,1 | 6,4 | 41,2 | 14,3 | N | |
| 47319 | 47320 | ST PA 333413/44232... | 33,3 | 41,3 | 3,2 | 44,2 | 11,5 | N | |
| 06979 | 06980 | ST PA 349445/47632... | 34,9 | 44,5 | 3,2 | 47,6 | 11,5 | N | |
| 47459 | 47460 | ST PA 349445/47664... | 34,9 | 44,5 | 6,4 | 44,5 | 14,3 | N | |
| 47437 | 47438 | ST PA 381476/50832... | 38,1 | 47,6 | 3,2 | 50,8 | 11,5 | N | |
| 06981 | 06982 | ST PA 413508/54032... | 41,3 | 50,8 | 3,2 | 54,0 | 11,5 | N | |
| 47463 | 47464 | ST PA 413508/54064... | 41,3 | 50,8 | 6,4 | 54,0 | 14,3 | N | |
| 34803 | 47292 | ST PA 445508/53832... | 44,5 | 50,8 | 3,2 | 53,8 | 11,5 | N | |

*weitere Abmessungen a. A. · Unit: mm · MOQ siehe Webseite*

Fortsetzung der Tabelle auf der folgenden Seite

Fortsetzung der Tabelle von der vorhergehenden Seite

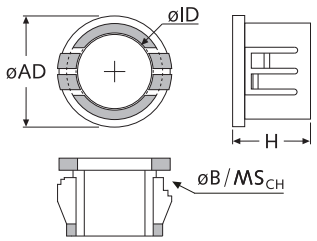
## ST PA



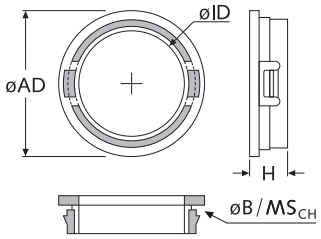
Durchführungstüllen aus Kunststoff

*Plastic snap bushings*

**Typ N** - normal - Standard:




**Typ M** - Miniatur- niedrige Einbautiefe:




**Standard-Material:**

PA UL-94 V2 ■ schwarz / □ weiß

-40°C bis +105°C

| Art.-Nr. schwarz | Art.-Nr. weiß | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ max. | AD Ø | H | Typ | |
|---|---|---|---|---|---|---|---|---|---|
| 47465 | 47466 | ST PA 460531/59764... | 46,0 | 53,1 | 6,4 | 59,7 | 18,3 | N | |
| 06983 | 06984 | ST PA 471572/63164... | 47,1 | 57,2 | 6,4 | 63,1 | 18,3 | N | |
| 06985 | 06986 | ST PA 500635/67564... | 50,0 | 63,5 | 6,4 | 67,5 | 18,3 | N | |
| 34804 | - | ST PA 555635/67564... | 55,5 | 63,5 | 6,4 | 67,5 | 18,1 | N | |
| 06987 | 06988 | ST PA 627762/80264... | 62,7 | 76,2 | 6,4 | 80,2 | 18,3 | N | |
| 47467 | 47468 | ST PA 699762/80264... | 69,9 | 76,2 | 6,4 | 80,2 | 18,3 | N | |
| 47469 | 47470 | ST PA 714857/93064... | 71,4 | 85,7 | 6,4 | 93,0 | 18,3 | N | |
| 06989 | 06990 | ST PA 747889/92864... | 74,7 | 88,9 | 6,4 | 92,8 | 18,3 | N | |
| 06991 | 06992 | ST PA 881101/10664... | 88,1 | 101,6 | 6,4 | 105,4 | 18,3 | N | |
| 47471 | 47472 | ST PA114127/13364... | 113,8 | 127,0 | 6,4 | 132,6 | 18,8 | N | |
| 47473 | 47474 | ST PA139153/15864... | 139,2 | 152,4 | 6,4 | 157,9 | 18,8 | N | |

*weitere Abmessungen a. A. · Unit: mm · MOQ siehe Webseite*

Artikel-Bez. für PA-Durchführungtülle:
schwarz, Artikel-Nr.: 06897

ST PA 064095/11932 S
- S → Farbe
- 064095/11932 → Typ + Maße

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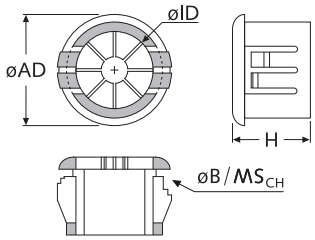
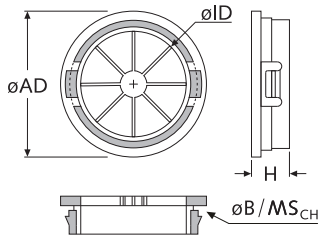
STZ PA

Zentrier-Durchführungstüllen
aus Kunststoff
*Centering plastic snap bushings*

**Typ N** - normal - Standard:




**Typ M** - Miniatur- niedrige Einbautiefe:




| Art.-Nr. schwarz | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ max | AD Ø | H | Typ | | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 48549 | STZ PA 076127/15216S | 7,6 | 12,7 | 1,6 | 15,2 | 6,4 | M | | ■ |
| 48462 | STZ PA 076127/15232S | 7,6 | 12,7 | 3,2 | 15,2 | 9,8 | N | | ■ |
| 48555 | STZ PA 076127/15264S | 7,6 | 12,7 | 6,4 | 15,2 | 13,8 | N | | ■ |
| 48550 | STZ PA 111159/18516S | 11,1 | 15,9 | 1,6 | 18,5 | 6,4 | M | | ■ |
| 16503 | STZ PA 111159/18532S | 11,1 | 15,9 | 3,2 | 18,5 | 10,3 | N | | ■ |
| 48556 | STZ PA 111159/18564S | 11,1 | 15,9 | 6,4 | 18,5 | 13,0 | N | | ■ |
| 48551 | STZ PA 127191/21416S | 12,7 | 19,1 | 1,6 | 21,4 | 6,4 | M | | ■ |
| 16504 | STZ PA 127191/21432S | 12,7 | 19,1 | 3,2 | 21,4 | 9,9 | N | | ■ |
| 48557 | STZ PA 127191/21464S | 12,7 | 19,1 | 6,4 | 21,4 | 13,8 | N | | ■ |
| 16505 | STZ PA 127206/22632S | 12,7 | 20,6 | 3,2 | 22,6 | 9,9 | N | | ■ |
| 48552 | STZ PA 143222/23816S | 14,3 | 22,2 | 1,6 | 23,8 | 6,4 | M | | ■ |
| 16506 | STZ PA 143222/23832S | 14,3 | 22,2 | 3,2 | 23,8 | 11,5 | N | | ■ |
| 48558 | STZ PA 143222/23864S | 14,3 | 22,2 | 6,4 | 23,8 | 13,8 | N | | ■ |
| 48553 | STZ PA 191254/27016S | 19,1 | 25,4 | 1,6 | 27,0 | 6,4 | M | | ■ |
| 16507 | STZ PA 191254/27032S | 19,1 | 25,4 | 3,2 | 27,0 | 11,2 | N | | ■ |
| 48559 | STZ PA 191254/27064S | 19,1 | 25,4 | 6,4 | 27,0 | 13,8 | N | | ■ |
| 48554 | STZ PA 206278/29516S | 20,6 | 27,8 | 1,6 | 29,5 | 6,4 | M | | ■ |
| 16508 | STZ PA 206278/29532S | 20,6 | 27,8 | 3,2 | 29,5 | 11,5 | N | | ■ |
| 48560 | STZ PA 206278/29564S | 20,6 | 27,8 | 6,4 | 29,5 | 13,8 | N | | ■ |
| 48463 | STZ PA 241302/31832S | 24,1 | 30,2 | 3,2 | 31,8 | 11,5 | N | | ■ |
| 18804 | STZ PA 254349/37832S | 25,4 | 34,9 | 3,2 | 37,8 | 11,5 | N | | ■ |
| 48561 | STZ PA 254349/37864S | 25,4 | 34,9 | 6,4 | 37,8 | 14,2 | N | | ■ |
| 48464 | STZ PA 258318/33432S | 25,8 | 31,8 | 3,2 | 33,4 | 11,5 | N | | ■ |
| 48465 | STZ PA 269381/40932S | 26,9 | 38,1 | 3,2 | 40,9 | 11,5 | N | | ■ |
| 48562 | STZ PA 269381/40964S | 26,9 | 38,1 | 6,4 | 40,9 | 14,2 | N | | ■ |
| 48466 | STZ PA 349445/47532S | 34,9 | 44,5 | 3,2 | 47,5 | 11,8 | N | | ■ |
| 48467 | STZ PA 416508/54032S | 41,6 | 50,8 | 3,2 | 54,0 | 12,7 | N | | ■ |
| 48563 | STZ PA 500635/66864S | 50,0 | 63,5 | 6,4 | 66,8 | 19,1 | N | | ■ |
| 48564 | STZ PA 627762/80064S | 62,7 | 76,2 | 6,4 | 80,0 | 19,1 | N | | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ siehe Webseite*

| | | | | |
|---|---|---|---|---|
| **Standard-Material:** | PA | UL-94 V-2 | ■ schwarz | -40°C bis +105°C |
| Material auf Anfrage | PA | UL-94 V-2 | □ weiß | -40°C bis +105°C |

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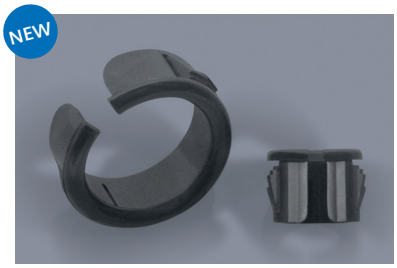
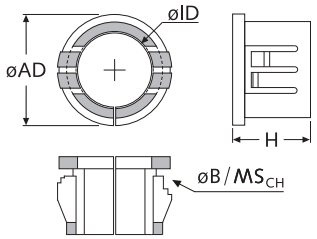
STS PA



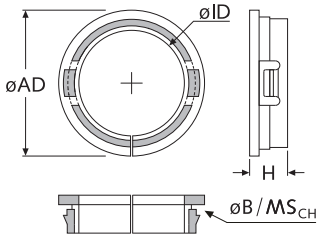

Durchführungstüllen aus Kunststoff, seitlich geöffnet

*Open ring plastic snap bushings*

**Typ N** - normal - Standard:




**Typ M** - Miniatur- niedrige Einbautiefe:

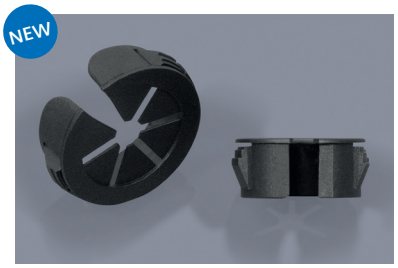



| Art.-Nr. schwarz | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ max | AD Ø | H | Typ | | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 48073 | STS PA 056070/08916MS | 5,6 | 7,0 | 1,6 | 8,9 | 6,0 | M | | ■ |
| 40608 | STS PA 066095/11417MS | 6,6 | 9,5 | 1,7 | 11,4 | 6,5 | M | | ■ |
| 14088 | STS PA 067095/10732S | 6,7 | 9,5 | 3,2 | 10,7 | 9,9 | N | | ■ |
| 14090 | STS PA 079127/14332S | 7,9 | 12,7 | 3,2 | 14,3 | 10,3 | N | | ■ |
| 14089 | STS PA 084111/12732S | 8,4 | 11,1 | 3,2 | 12,7 | 10,3 | N | | ■ |
| 48068 | STS PA 090130/14932S | 9,0 | 13,0 | 3,2 | 14,9 | 10,3 | N | | ■ |
| 48074 | STS PA 097130/14216MS | 9,7 | 13,0 | 1,6 | 14,2 | 6,4 | M | | ■ |
| 14091 | STS PA 099143/16332S | 9,9 | 14,3 | 3,2 | 16,3 | 10,3 | N | | ■ |
| 42747 | STS PA 105159/18032S | 10,5 | 15,9 | 3,2 | 18,0 | 10,5 | N | | ■ |
| 14092 | STS PA 111159/17532S | 11,1 | 15,9 | 3,2 | 17,5 | 10,3 | N | | ■ |
| 48069 | STS PA 123165/18632S | 12,3 | 16,5 | 3,2 | 18,6 | 10,3 | N | | ■ |
| 14093 | STS PA 127191/19832S | 12,7 | 19,1 | 3,2 | 19,8 | 10,3 | N | | ■ |
| 48075 | STS PA 132160/18016MS | 13,2 | 16,0 | 1,6 | 18,0 | 6,4 | M | | ■ |
| 48076 | STS PA 160190/21116MS | 16,0 | 19,0 | 1,6 | 21,1 | 6,4 | M | | ■ |
| 14094 | STS PA 170222/23432S | 17,0 | 22,2 | 3,2 | 23,4 | 10,3 | N | | ■ |
| 48077 | STS PA 191220/24916MS | 19,1 | 22,0 | 1,6 | 24,9 | 6,4 | M | | ■ |
| 14095 | STS PA 191254/26632S | 19,1 | 25,4 | 3,2 | 26,6 | 10,3 | N | | ■ |
| 48070 | STS PA 204250/26432S | 20,4 | 25,0 | 3,2 | 26,4 | 10,3 | N | | ■ |
| 48078 | STS PA 208240/26916MS | 20,8 | 24,0 | 1,6 | 26,9 | 6,4 | M | | ■ |
| 14096 | STS PA 222278/29432S | 22,2 | 27,8 | 3,2 | 29,4 | 10,3 | N | | ■ |
| 48079 | STS PA 248270/28716MS | 24,8 | 27,0 | 1,6 | 28,7 | 6,4 | M | | ■ |
| 14097 | STS PA 258318/34132S | 25,8 | 34,1 | 3,2 | 34,1 | 10,3 | N | | ■ |
| 14098 | STS PA 297349/37332S | 29,7 | 34,9 | 3,2 | 37,3 | 10,3 | N | | ■ |
| 14099 | STS PA 317381/40132S | 31,7 | 38,1 | 3,2 | 40,1 | 10,7 | N | | ■ |
| 48071 | STS PA 439508/53932S | 43,9 | 50,8 | 3,2 | 53,9 | 10,7 | N | | ■ |
| 48072 | STS PA 508635/66064S | 50,8 | 63,5 | 6,4 | 66,0 | 18,3 | N | | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ siehe Webseite*

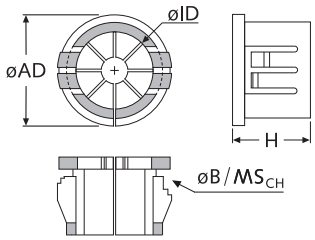
| | | | | |
|---|---|---|---|---|
| **Standard-Material:** | PA | UL-94 V-2 | ■ schwarz | -40°C bis +105°C |
| Material auf Anfrage | PA | UL-94 V-2 | □ weiß | -40°C bis +105°C |

## STZO PA




Zentrier-Durchführungstüllen
aus Kunststoff, seitlich geöffnet
*Centering open ring plastic snap bushings*

**Typ N** - normal - Standard:

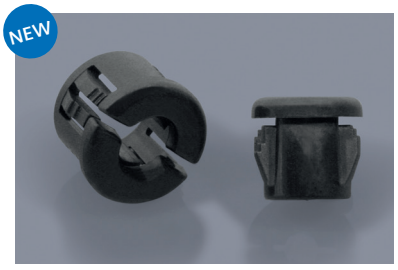



| Art.-Nr. schwarz | Artikel-Bez. | ID Ø | $B_{CH}$ Ø | $MS_{CH}$ max | AD Ø | H | Typ | | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 48568 | STZO PA 076127/14232S | 7,6 | 12,7 | 3,2 | 14,2 | 9,8 | N | | ■ |
| 48569 | STZO PA 111159/17532S | 11,1 | 15,9 | 3,2 | 17,5 | 10,3 | N | | ■ |
| 24775 | STZO PA 127191/22632S | 12,7 | 19,1 | 3,2 | 22,6 | 10,3 | N | | ■ |
| 24776 | STZO PA 143222/23832S | 14,3 | 22,2 | 3,2 | 23,8 | 10,3 | N | | ■ |
| 24777 | STZO PA 191254/29032S | 19,1 | 25,4 | 3,2 | 29,0 | 10,3 | N | | ■ |
| 24778 | STZO PA 206278/29532S | 20,6 | 27,8 | 3,2 | 29,5 | 10,3 | N | | ■ |
| 48570 | STZO PA 238318/36632S | 23,8 | 31,8 | 3,2 | 36,6 | 10,3 | N | | ■ |
| 48571 | STZO PA 254349/36632S | 25,4 | 34,9 | 3,2 | 36,6 | 10,3 | N | | ■ |
| 48572 | STZO PA 269381/39632S | 26,9 | 38,1 | 3,2 | 39,6 | 10,7 | N | | ■ |
| 48573 | STZO PA 417508/53932S | 41,7 | 50,8 | 3,2 | 53,9 | 10,7 | N | | ■ |
| 48574 | STZO PA 432635/66064S | 43,2 | 63,5 | 6,4 | 66,0 | 18,3 | N | | ■ |

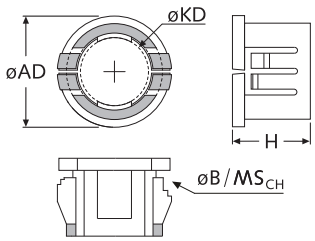
*weitere Abmessungen a. A. · Unit: mm · MOQ siehe Webseite*

| | | | | |
|---|---|---|---|---|
| **Standard-Material:** | PA | UL-94 V-2 | ■ schwarz | -40°C bis +105°C |
| Material auf Anfrage | PA | UL-94 V-2 | □ weiß | -40°C bis +105°C |

## STSR PA




Durchführungstüllen aus Kunststoff,
mit leichter Zugentlastung
*Plastic snap bushings with light strain relief*




| Art.-Nr. schwarz | Artikel-Bez. | KD Ø | $B_{CH}$ Ø | $MS_{CH}$ max | AD Ø | H | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|
| 19881 | STSR PA 032095/11732S | ca. 3,2 | 9,5 | 3,2 | 11,7 | 10,7 | | ■ |
| 19882 | STSR PA 048095/11932S | ca. 4,8 | 9,5 | 3,2 | 11,9 | 11,2 | | ■ |
| 19883 | STSR PA 064127/14232S | ca. 6,4 | 12,7 | 3,2 | 14,2 | 11,2 | | ■ |
| 48033 | STSR PA 095159/18532S | ca. 9,5 | 15,9 | 3,2 | 18,5 | 11,2 | | ■ |
| 48034 | STSR PA 127191/23032S | ca. 12,7 | 19,1 | 3,2 | 23,0 | 11,2 | | ■ |
| 48035 | STSR PA 159222/25832S | ca. 15,9 | 22,2 | 3,2 | 25,8 | 12,3 | | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ siehe Webseite*

| | | | | |
|---|---|---|---|---|
| **Standard-Material:** | PA | UL-94 V-2 | ■ schwarz | -40°C bis +105°C |
| Material auf Anfrage | PA | UL-94 V-2 | □ weiß | -40°C bis +105°C |

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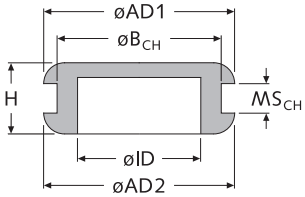
DT MF

Membrantüllen, geschlossen, plan

*Flat closed membrane grommets*




| Art.-Nr. PVC | Art.-Nr. TPE | Art.-Nr. EPDM | Artikel-Bez. | ID Ø | B CH Ø | MS CH ca. | AD1 Ø | AD2 Ø | H | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|
| - | 01253 | - | DT MF 04064/09508... | 4,0 | 6,4 | 0,8 | 9,5 | 9,5 | 3,6 | | ■ |
| 34462 | - | - | DT MF 0507/1130... | 5,0 | 7,0 | 3,0 | 11,0 | 11,0 | 7,0 | | ■ |
| 06646 | 06682 | - | DT MF 05509/1230... | 5,5 | 9,0 | 3,0 | 12,0 | 12,0 | 7,0 | | ■ |
| - | - | 12495 | DT MF 05910/1330... | 5,9 | 10,0 | 3,0 | 13,0 | 13,0 | 7,2 | | ■ |
| 06647 | 06683 | - | DT MF 0609/1230... | 6,0 | 9,0 | 3,0 | 12,0 | 12,0 | 7,0 | | ■ |
| 21850 | - | - | DT MF 0612/1715... | 6,0 | 12,0 | 1,5 | 17,0 | 17,0 | 7,0 | | ■ |
| 06648 | 06684 | - | DT MF 0614/1810... | 6,0 | 14,0 | 1,0 | 18,0 | 18,0 | 6,0 | | ■ |
| 01254 | 39072 | - | DT MF 064099/12715... | 6,4 | 9,9 | 1,5 | 12,7 | 12,7 | 6,7 | | ■ |
| 06649 | 06685 | - | DT MF 0714/1830... | 7,0 | 14,0 | 3,0 | 18,0 | 18,0 | 8,0 | | ■ |
| - | - | 12496 | DT MF 07810/1515... | 7,8 | 10,0 | 1,5 | 15,0 | 15,0 | 8,5 | | ■ |
| 01255 | 39073 | - | DT MF 0811/17515... | 8,0 | 11,0 | 1,5 | 17,5 | 17,5 | 8,1 | | ■ |
| 06650 | 06686 | - | DT MF 0814/1830... | 8,0 | 14,0 | 3,0 | 18,0 | 18,0 | 8,0 | | ■ |
| 06651 | 06687 | - | DT MF 0912/1620... | 9,0 | 12,0 | 2,0 | 16,0 | 16,0 | 7,0 | | ■ |
| 06652 | 06688 | - | DT MF 0914/1830... | 9,0 | 14,0 | 3,0 | 18,0 | 18,0 | 8,0 | | ■ |
| 01256 | 39074 | - | DT MF 095125/15515... | 9,5 | 12,5 | 1,5 | 15,5 | 15,5 | 6,5 | | ■ |
| - | - | 12497 | DT MF 09714/17512... | 9,7 | 14,0 | 1,2 | 17,5 | 17,5 | 7,0 | | ■ |
| 06653 | 06689 | - | DT MF 1018/2230... | 10,0 | 18,0 | 3,0 | 22,0 | 22,0 | 8,0 | | ■ |
| 06654 | 06690 | - | DT MF 1018/2240... | 10,0 | 18,0 | 4,0 | 22,0 | 22,0 | 9,0 | | ■ |
| 06655 | 06691 | - | DT MF 1118/2230... | 11,0 | 18,0 | 3,0 | 22,0 | 22,0 | 8,0 | | ■ |
| 06656 | 06692 | - | DT MF 1118/2240... | 11,0 | 18,0 | 4,0 | 22,0 | 22,0 | 9,0 | | ■ |
| - | - | 12498 | DT MF 1216/2128... | 12,0 | 16,0 | 2,8 | 21,0 | 21,0 | 6,6 | | ■ |
| 06657 | 06693 | - | DT MF 1218/2230... | 12,0 | 18,0 | 3,0 | 22,0 | 22,0 | 8,0 | | ■ |
| 06658 | 06694 | - | DT MF 1218/2240... | 12,0 | 18,0 | 4,0 | 22,0 | 22,0 | 9,0 | | ■ |
| - | - | 12499 | DT MF 137182/23720... | 13,7 | 18,2 | 2,0 | 23,7 | 23,7 | 6,6 | | ■ |
| 06887 | - | - | DT MF 1619/25515... | 16,0 | 19,0 | 1,5 | 25,5 | 25,5 | 7,1 | | ■ |
| 01258 | - | - | DT MF 1620/25515... | 16,0 | 20,0 | 1,5 | 25,5 | 25,5 | 7,1 | | ■ |
| - | 39077 | - | DT MF 1922/25515... | 19,0 | 22,0 | 1,5 | 25,5 | 25,5 | 8,1 | | ■ |
| 35372 | - | - | DT MF 2030/3330... | 20,0 | 30,0 | 3,0 | 33,0 | 33,0 | 11,0 | | ■ |
| 01260 | - | - | DT MF 205255/3015... | 20,5 | 25,5 | 1,5 | 30,0 | 30,0 | 8,1 | | ■ |
| - | 07032 | - | DT MF 3142/4924... | 31,0 | 42,0 | 2,4 | 47,0 | 49,0 | 10,0 | | ■ |
| - | - | 19767* | DT MF 6472/9050...* | 64,0 | 72,0 | 5,0 | 90,0 | 90,0 | 17,0 | | ■ |

**Bauform: gewölbt, EPDM -30°C bis +90°C · Farbe „weiß" auf Anfrage · Unit: mm · MOQ 100/1.000x*

**Standard-Material:**

| | | | | |
|---|---|---|---|---|
| **P:** | PVC | ■ schwarz | -30°C bis +70°C | |
| **T:** | TPE | ■ schwarz | -40°C bis +90°C | (UL-94 HB auf Anfrage) |
| **E:** | EPDM | ■ schwarz | -40°C bis +120°C | |

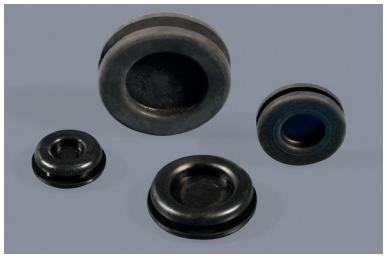
**Hinweis:**

- siehe auch Verschluss-Stopfen VS ... S-K TPE im Kapitel „Stopfen und Kappen"
- Membrantüllen mit Stanzung siehe nachfolgende Seiten
- Alle Membrantüllen können auch mit einer Stanzung geliefert werden.

Artikel-Bez. für Membrantülle PVC:
Artikel-Nr.: 06649

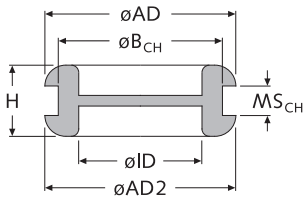
DT MF 0714/1830 P
- P: Material
- 0714/1830: Typ + Maße

DT M



Membrantüllen, geschlossen

*Closed membrane grommets*




**Standard-Material:**

**P:** PVC ■ schwarz
-30°C bis +70°C

**T:** TPE ■ schwarz
-40°C bis +90°C (UL-94 HB auf Anfrage)

**N:** Neopren/Chloropren ■ schwarz
-30°C bis +90°C

**E:** EPDM ■ schwarz
-40°C bis +120°C

| Art.-Nr. | | | | Artikel-Bez. | ID | B$_{CH}$ | MS$_{CH}$ | AD1 | AD2 | H | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PVC | TPE | Neopren | EPDM | | ø | ø | ca. | ø | ø | | | |
| 21852 | - | - | - | DT M 06085/1425P | 6,0 | 8,5 | 2,5 | 14,0 | 14,0 | 7,0 | | ■ |
| - | - | - | 08443 | DT M 088137/18820E | 8,8 | 13,7 | 2,0 | 18,8 | 16,6 | 7,0 | | ■ |
| - | - | - | 08444 | DT M 0913/20827E | 9,0 | 13,0 | 2,7 | 20,8 | 20,8 | 9,0 | | ■ |
| 06659 | 06668 | - | - | DT M 0915/2020... | 9,0 | 15,0 | 2,0 | 20,0 | 18,0 | 7,0 | | ■ |
| - | - | 06836 | - | DT M 09155/2010N | 9,0 | 15,5 | 1,0 | 20,0 | 20,0 | 7,0 | | ■ |
| - | - | 06837 | - | DT M 09155/2020N | 9,0 | 15,5 | 2,0 | 20,0 | 20,0 | 7,0 | | ■ |
| - | - | - | 08442 | DT M 09513/1715E | 9,5 | 13,0 | 1,5 | 17,3 | 17,3 | 8,0 | | ■ |
| 07022 | - | - | - | DT M 1116/1915P | 11,0 | 16,0 | 1,5 | 19,0 | 19,0 | 6,0 | | ■ |
| 06660 | 06670 | - | - | DT M 1118/22520... | 11,0 | 18,0 | 2,0 | 22,5 | 21,5 | 7,0 | | ■ |
| - | - | - | 08445 | DT M 11185/2317E | 11,0 | 18,5 | 1,7 | 23,0 | 23,0 | 7,0 | | ■ |
| - | - | 06838 | - | DT M 11185/2320N | 11,0 | 18,5 | 2,0 | 23,0 | 23,0 | 7,0 | | ■ |
| 21854 | - | - | - | DT M 1215/1915P | 12,0 | 15,0 | 1,5 | 19,0 | 19,0 | 8,0 | | ■ |
| 07023 | - | - | - | DT M 12516/2224P | 12,5 | 16,0 | 2,4 | 21,5 | 21,5 | 8,0 | | ■ |
| 06662 | 06672 | - | - | DT M 13520/2420... | 13,5 | 20,0 | 2,0 | 24,0 | 24,0 | 7,0 | | ■ |
| - | - | 06839 | - | DT M 135205/2520N | 13,5 | 20,5 | 2,0 | 25,0 | 25,0 | 7,0 | | ■ |
| 14832 | - | - | - | DT M 1418/2320P | 14,0 | 18,0 | 2,0 | 23,0 | 23,0 | 8,0 | | ■ |
| 07024 | - | - | - | DT M 1419/25515P | 14,0 | 19,0 | 1,5 | 25,5 | 25,5 | 8,0 | | ■ |
| 07025 | - | - | - | DT M 1419/25524P | 14,0 | 19,0 | 2,4 | 25,5 | 25,5 | 9,0 | | ■ |
| 07026 | - | - | - | DT M 1419/25530P | 14,0 | 19,0 | 3,0 | 25,5 | 25,5 | 9,5 | | ■ |
| 07027 | - | - | - | DT M 1420/25515P | 14,0 | 20,0 | 1,5 | 25,5 | 25,5 | 8,0 | | ■ |
| 07028 | - | - | - | DT M 1619/25520P | 16,0 | 19,0 | 2,0 | 25,5 | 25,5 | 8,0 | | ■ |
| 03244 | 06674 | - | - | DT M 1622/27520... | 16,0 | 22,0 | 2,0 | 27,5 | 26,0 | 7,4 | | ■ |
| - | - | 49067 | 06840 | DT M 16225/2820E | 16,0 | 22,5 | 2,0 | 28,0 | 28,0 | 7,0 | | ■ |
| - | - | 06847 | - | DT M 16225/27540N | 16,0 | 22,5 | 4,0 | 27,5 | 27,5 | 9,0 | | ■ |
| - | - | - | 42771[1] | DT M 17215/30550E[1] | 17,0 | 21,5 | 5,0 | 30,5 | 25,0 | 12,5 | | ■ |
| - | - | 12006 | - | DT M 18525/30520N | 18,5 | 25,0 | 2,0 | 30,5 | 30,5 | 7,0 | | ■ |
| - | - | - | 07029 | DT M 19255/3652T | 19,0 | 25,5 | 2,4 | 36,5 | 36,5 | 8,5 | | ■ |
| 34290 | 41570 | - | - | DT M 2125/34520... | 21,0 | 25,0 | 2,0 | 34,5 | 34,5 | 8,0 | | ■ |
| 03243 | 06676 | - | - | DT M 2128/34520... | 21,0 | 28,0 | 2,0 | 34,5 | 34,5 | 8,0 | | ■ |
| - | - | - | 06841 | DT M 2128/3520E | 21,0 | 28,0 | 2,0 | 35,0 | 35,0 | 8,0 | | ■ |
| - | - | 06848 | - | DT M 2128/3540N | 21,0 | 28,0 | 4,0 | 35,0 | 35,0 | 10,0 | | ■ |
| - | - | 12007 | - | DT M 2532/3920N | 25,0 | 32,0 | 2,0 | 39,0 | 39,0 | 8,0 | | ■ |
| 07030 | - | - | - | DT M 25532/3824P | 25,5 | 32,0 | 2,4 | 38,0 | 38,0 | 8,0 | | ■ |
| 07031 | - | - | - | DT M 25532/3840P | 25,5 | 32,0 | 4,0 | 38,0 | 38,0 | 9,5 | | ■ |
| 34291 | 41572 | - | - | DT M 2932/4320... | 29,0 | 32,0 | 2,0 | 43,0 | 43,0 | 9,0 | | ■ |
| 06665 | - | - | - | DT M 29365/4322P | 29,0 | 36,5 | 2,2 | 43,0 | 43,0 | 9,5 | | ■ |
| - | 06679 | - | - | DT M 2937/43522T | 29,0 | 37,0 | 2,2 | 43,5 | 43,5 | 9,5 | | ■ |
| - | - | - | 06842 | DT M 2937/4420E | 29,0 | 37,0 | 2,0 | 44,0 | 44,0 | 9,0 | | ■ |
| - | - | 12008 | - | DT M 3140/4725N | 31,0 | 40,0 | 2,5 | 47,0 | 47,0 | 10,0 | | ■ |
| 06666 | - | - | - | DT M 3546/52525P | 35,0 | 46,0 | 2,5 | 52,5 | 52,5 | 10,0 | | ■ |
| - | 06680 | - | - | DT M 35547 /5325T | 35,5 | 47,0 | 2,5 | 53,0 | 53,0 | 10,0 | | ■ |
| - | - | - | 06843[S] | DT M 3647/5425E | 36,0 | 47,0 | 2,5 | 54,0 | 54,0 | 10,0 | | ■ |
| - | - | 12009 | - | DT M 3950/5725N | 39,0 | 50,0 | 2,5 | 57,0 | 57,0 | 10,0 | | ■ |
| - | - | - | 15316[1] | DT M 4247/6115KE[1] | 42,0 | 47,0 | 1,5 | 61,0 | 61,0 | 15,0 | | ■ |
| 06667 | - | - | - | DT M 46559/66225P | 46,5 | 59,0 | 2,5 | 66,2 | 66,2 | 10,5 | | ■ |
| - | 06681 | - | - | DT M 4760/6727T | 47,0 | 60,0 | 2,7 | 67,0 | 67,0 | 10,3 | | ■ |
| - | - | - | 06844 | DT M 4860/6825E | 48,0 | 60,0 | 2,5 | 68,0 | 68,0 | 10,0 | | ■ |
| - | - | 06845 | - | DT M 5364/7525N | 53,0 | 64,0 | 2,5 | 75,0 | 75,0 | 10,0 | | ■ |
| - | - | 12011 | - | DT M 6575/8725N | 65,0 | 75,0 | 2,5 | 87,0 | 87,0 | 10,0 | | ■ |
| - | - | - | 06846 | DT M 6979/9025E | 69,0 | 79,0 | 2,5 | 90,0 | 90,0 | 10,0 | | ■ |

*[1]konische Bauform · [S]Silikon rot verfügbar · weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

Artikel-Bez. für Membrantülle TPE:
Artikel-Nr.: 06668

DT M 0915/2020 T
- Material
- Typ + Maße

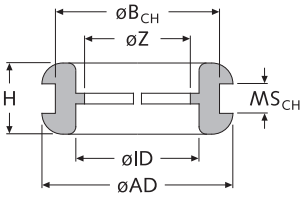
T: +49 89 726090-60 · verkauf@artgmbh.com · www.artgmbh.com

DT M

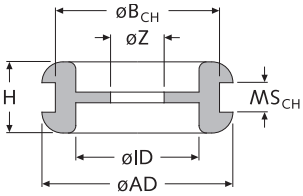
**Membrantüllen, geschlitzt oder gelocht**

*Perforated membrane grommets with cross-cut, slit or hole*

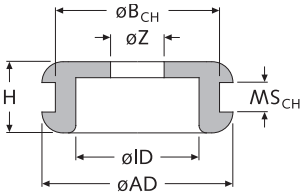
**Typ A** - geschlitzt:




**Typ B** - gelocht, Membran mittig:




**Typ C** - gelocht, Membran plan:




**Standard-Material:**

**P:** PVC ■ schwarz
-30°C bis +70°C

**T:** TPE ■ schwarz
-40°C bis +90°C (UL-94 HB auf Anfrage)

**N:** Neopren/Chloropren ■ schwarz
-30°C bis +90°C

**E:** EPDM ■ schwarz
-40°C bis +120°C

**Hinweis:**

Alle Membrantüllen auf den vorhergehenden Seiten können auf Anfrage mit einer kundenspezifischen Stanzung geliefert werden.

**Artikel-Bez. für Membrantülle TPE:**

Artikel-Nr.: 06852

DT M 2937/4420 ES
- ES → Schlitz/Loch
- 4420 → Material
- 2937 → Typ + Maße

| Art.-Nr. PVC | Art.-Nr. TPE | Art.-Nr. Neopren | Art.-Nr. EPDM | Artikel-Bez. | ID ø | B$_{CH}$ ø | MS$_{CH}$ ca. | AD ø | H | Z ø | Typ | | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - | 35242 | - | - | DT MF 05509/1230TG2,5 | 5,5 | 9,0 | 3,0 | 12,0 | 7,0 | 2,5 | C | | ■ |
| 13391 | - | - | - | DT MF 0714/1830PG3,5 | 7,0 | 14,0 | 3,0 | 18,0 | 8,0 | 3,5 | C | | ■ |
| 33665 | - | - | - | DT MF 0812/1620PG6,5 | 8,0 | 12,0 | 2,0 | 16,0 | 7,0 | 6,5 | C | | ■ |
| - | 32989 | - | - | DT MF 0912/1620TG6 | 9,0 | 12,0 | 2,0 | 16,0 | 7,0 | 6,0 | C | | ■ |
| - | 15101 | - | - | DT MF 0914/1830TG2,5 | 9,0 | 14,0 | 3,0 | 18,0 | 8,0 | 2,5 | C | | ■ |
| 13392 | - | - | - | DT MF 0914/1830PG3,1 | 9,0 | 14,0 | 3,0 | 18,0 | 8,0 | 3,1 | C | | ■ |
| 13393 | - | - | - | DT MF 0914/1830PG5,5 | 9,0 | 14,0 | 3,0 | 18,0 | 8,0 | 5,5 | C | | ■ |
| - | 06669 | - | - | DT M 0915/2020TS | 9,0 | 15,0 | 2,0 | 20,0 | 7,0 | 8,0 | A | | ■ |
| - | - | 06856 | - | DT M 09155/2020NG4,5 | 9,0 | 15,5 | 2,0 | 20,0 | 7,0 | 4,5 | B | | ■ |
| 13394 | - | - | - | DT MF 1018/2230PG6 | 10,0 | 18,0 | 3,0 | 22,0 | 8,0 | 6,0 | C | | ■ |
| 13395 | - | - | - | DT MF 1018/2230PG7 | 10,0 | 18,0 | 3,0 | 22,0 | 8,0 | 7,0 | C | | ■ |
| 13396 | - | - | - | DT MF 1018/2230PG8 | 10,0 | 18,0 | 3,0 | 22,0 | 8,0 | 8,0 | C | | ■ |
| 13397 | - | - | - | DT MF 1018/2230PG9 | 10,0 | 18,0 | 3,0 | 22,0 | 8,0 | 9,0 | C | | ■ |
| - | 06671 | - | - | DT M 1118/22520...G4,5 | 11,0 | 18,0 | 2,0 | 22,5 | 7,0 | 4,5 | B | | ■ |
| - | - | 06857 | - | DT M 11185/2320NG4,5 | 11,0 | 18,5 | 2,0 | 23,0 | 7,0 | 4,5 | B | | ■ |
| - | 41569 | - | - | DT M 13520/2420TS | 13,5 | 20,0 | 2,0 | 24,0 | 7,0 | 10,0 | A | | ■ |
| - | - | 06858 | - | DT M 135205/2520NG4,5 | 13,5 | 20,5 | 2,0 | 25,0 | 7,0 | 4,5 | B | | ■ |
| - | - | 06859 | - | DT M 135205/2520NG8 | 13,5 | 20,5 | 2,0 | 25,0 | 7,0 | 8,0 | B | | ■ |
| - | - | 06849 | - | DT M 135205/2520NS | 13,5 | 20,5 | 2,0 | 25,0 | 7,0 | 10,0 | A | | ■ |
| - | 06675 | - | - | DT M 1622/27520TG10 | 16,0 | 22,0 | 2,0 | 27,5 | 7,4 | 10,0 | B | | ■ |
| - | - | - | 06860 | DT M 16225/2820EG5 | 16,0 | 22,5 | 2,0 | 28,0 | 7,0 | 5,0 | B | | ■ |
| - | - | - | 06861 | DT M 16225/2820EG10 | 16,0 | 22,5 | 2,0 | 28,0 | 7,0 | 10,0 | B | | ■ |
| - | - | - | 06850 | DT M 16225/2820ES | 16,0 | 22,5 | 2,0 | 28,0 | 7,0 | 14,0 | A | | ■ |
| - | - | - | 06862 | DT M 16225/2820EG15 | 16,0 | 22,5 | 2,0 | 28,0 | 7,0 | 15,0 | B | | ■ |
| - | - | 06863 | - | DT M 16225/2830NG15D | 16,0 | 22,5 | 3,0 | 28,0 | 8,0 | 15,0 | B | | ■ |
| - | 06677 | - | - | DT M 2128/34520TG18 | 21,0 | 28,0 | 2,0 | 34,5 | 8,0 | 18,0 | B | | ■ |
| - | 06678 | - | - | DT M 2128/34520TG20 | 21,0 | 28,0 | 2,0 | 34,5 | 8,0 | 20,0 | B | | ■ |
| - | 41714 | - | - | DT M 2128/34520TS | 21,0 | 28,0 | 2,0 | 34,5 | 8,0 | 17,0 | A | | ■ |
| - | - | 06864 | - | DT M 2128/3520NG3 | 21,0 | 28,0 | 2,0 | 35,0 | 8,0 | 3,0 | B | | ■ |
| - | - | - | 06865 | DT M 2128/3520EG5 | 21,0 | 28,0 | 2,0 | 35,0 | 8,0 | 5,0 | B | | ■ |
| - | - | 06866 | - | DT M 2128/3520NG6 | 21,0 | 28,0 | 2,0 | 35,0 | 8,0 | 6,0 | B | | ■ |
| - | - | 06867 | - | DT M 2128/3520NG10 | 21,0 | 28,0 | 2,0 | 35,0 | 8,0 | 10,0 | B | | ■ |
| - | - | 06851 | - | DT M 2128/3520NS | 21,0 | 28,0 | 2,0 | 35,0 | 8,0 | 17,0 | A | | ■ |
| - | - | 06868 | - | DT M 2128/3520NG18 | 21,0 | 28,0 | 2,0 | 35,0 | 8,0 | 18,0 | B | | ■ |
| - | - | 06869 | - | DT M 2128/3520NG20 | 21,0 | 28,0 | 2,0 | 35,0 | 8,0 | 20,0 | B | | ■ |
| - | - | - | 20112 | DT M 2937/4420EG5 | 29,0 | 37,0 | 2,0 | 44,0 | 9,0 | 5,0 | B | | ■ |
| - | - | - | 06870 | DT M 2937/4420EG10 | 29,0 | 37,0 | 2,0 | 44,0 | 9,0 | 10,0 | B | | ■ |
| - | - | - | 06871 | DT M 2937/4420EG14 | 29,0 | 37,0 | 2,0 | 44,0 | 9,0 | 14,0 | B | | ■ |
| - | - | - | 06872 | DT M 2937/4420EG18 | 29,0 | 37,0 | 2,0 | 44,0 | 9,0 | 18,0 | B | | ■ |
| - | - | - | 24337 | DT M 2937/4420EG25 | 29,0 | 37,0 | 2,0 | 44,0 | 9,0 | 25,0 | B | | ■ |
| - | - | - | 06852 | DT M 2937/4420ES | 29,0 | 37,0 | 2,0 | 44,0 | 9,0 | 25,0 | A | | ■ |
| - | - | - | 06873 | DT M 3647/5425EG14 | 36,0 | 47,0 | 2,5 | 54,0 | 10,0 | 14,0 | B | | ■ |
| - | - | - | 06874 | DT M 3647/5425EG32 | 36,0 | 47,0 | 2,5 | 54,0 | 10,0 | 32,0 | B | | ■ |
| - | - | - | 06853 | DT M 3647/5425ES | 36,0 | 47,0 | 2,5 | 54,0 | 10,0 | 32,0 | A | | ■ |
| - | - | - | 40678 | DT M 4860/6825EG14 | 48,0 | 60,0 | 2,5 | 68,0 | 10,0 | 14,0 | B | | ■ |
| - | - | - | 06875 | DT M 4860/6825EG16 | 48,0 | 60,0 | 2,5 | 68,0 | 10,0 | 16,0 | B | | ■ |
| - | - | - | 06854 | DT M 4860/6825ES | 48,0 | 60,0 | 2,5 | 68,0 | 10,0 | 42,0 | A | | ■ |
| - | - | 06855 | - | DT M 5364/7525NS | 53,0 | 64,0 | 2,5 | 75,0 | 10,0 | 25,0 | A | | ■ |
| - | - | - | 06876 | DT M 6979/9025EG16 | 69,0 | 79,0 | 2,5 | 90,0 | 10,0 | 16,0 | B | | ■ |
| - | - | - | 06877 | DT M 6979/9025EG36 | 69,0 | 79,0 | 2,5 | 90,0 | 10,0 | 36,0 | B | | ■ |
| - | - | - | 06878 | DT M 6979/9025EG55 | 69,0 | 79,0 | 2,5 | 90,0 | 10,0 | 55,0 | B | | ■ |
| - | - | - | 31173 | DT M 6979/9025EG63 | 69,0 | 79,0 | 2,5 | 90,0 | 10,0 | 63,0 | B | | ■ |

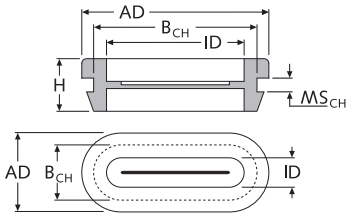
*weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

## DT ML + DT MFL

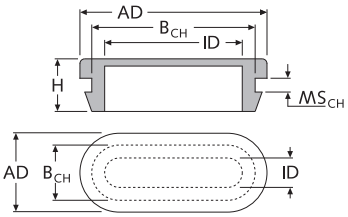
### Langloch-Membrantüllen

*Oval membrane grommets*

Typ DT ML




Typ DT MFL




| Art.-Nr. EPDM | Art.-Nr. Silikon (NEW) | Artikel-Bez. | ID | $B_{CH}$ | $MS_{CH}$ ca. | AD | H | Typ |
|---|---|---|---|---|---|---|---|---|
| 18628 | 52802 | DT ML 0821-1225/1629-25 | 8x21 | 12x25 | 1,0-2,5 | 16x29 | 6,0 | |
| 18629 | 52809 | DT ML 1033-1437/1942-25 | 10x33 | 14x37 | 1,0-2,5 | 19x42 | 7,0 | |
| 18630 | 52889 | DT ML 1246-1650/2357-25 | 12x46 | 16x50 | 1,0-2,5 | 23x57 | 9,0 | |
| 18625 | 52891 | DT MFL 083266-1230/1735-28 | 8,3x26,6 | 12x30 | 2,8 | 17x35 | 6,3 | |

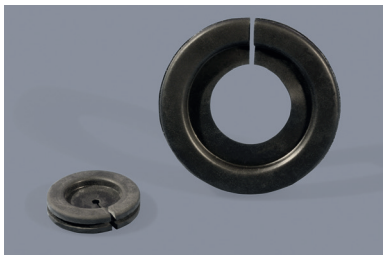
*Unit: mm · MOQ 100/1.000x*

**Standard-Material:** EPDM ■ schwarz -40°C bis +120°C
Silikon □ natur -50°C bis +200°C UL-94 HB

**Eigenschaften:**

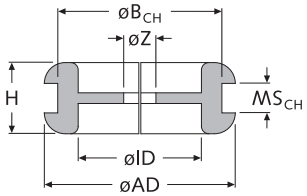
Die Langloch-Membrantülle kann entweder als Blindstopfen oder als Durchführungstülle verwendet werden. Zur Durchführung von Kabeln oder ähnlichem besitzt die Membrantülle eine Schlitzprägung, die bei Bedarf geöffnet werden kann. Die asymmetrische Bauform erleichtert das Einsetzen in die Lochung.

## DT M



### Membrantüllen, seitlich offen

*Split ring membrane grommets*




| Art.-Nr. EPDM | Artikel-Bez. | ID ø | $B_{CH}$ ø | $MS_{CH}$ ca. | AD ø | H | Z ø | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| (NEW) 52986 | DT M 13520/2420E G4F | 13,5 | 20,0 | 2,0 | 24,0 | 7,0 | 4,0 | | ■ |
| 06879 | DT M 2128/3520E G3F | 21,0 | 28,0 | 2,0 | 35,0 | 8,0 | 3,0 | | ■ |
| 06880 | DT M 4860/6825E G30F | 48,0 | 60,0 | 2,5 | 68,0 | 10,0 | 30,0 | | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 50/100x*

**Standard-Material:** EPDM ■ schwarz -40°C bis +120°C

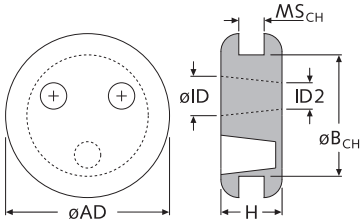
**Eigenschaften:**

Die Öffnung erleichtert das Einsetzen in die Lochung.

## DT MF

### Membrantüllen, mit Blindlöchern

*Membrane grommets with blind holes*

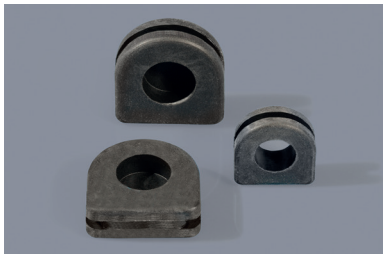



| Art.-Nr. | Artikel-Bez. | ID ø | $B_{CH}$ ø | $MS_{CH}$ ca. | AD ø | H | ID2 ø | Blind-löcher | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 02541 | DT MF 0210/1320 P 2/3offen | 3,0 | 10,0 | 2,0 | 13,0 | 6,0 | 2,0 | 1 | ■ |
| 16486* | DT MF 01510/1320 T 2/3offen | 3,0 | 10,0 | 2,0 | 13,0 | 6,0 | 1,5 | 1 | ■ |
| 02542 | DT MF 0210/1320 P 1/3offen | 3,0 | 10,0 | 2,0 | 13,0 | 6,0 | 2,0 | 2 | ■ |
| 02543 | DT MF 0210/1320 P 0/3offen | 3,0 | 10,0 | 2,0 | 13,0 | 6,0 | 2,0 | 3 | ■ |
| 18753 | DT MF 0210/1320 T 0/3offen | 3,0 | 10,0 | 2,0 | 13,0 | 6,0 | 2,0 | 3 | ■ |

**D2=1,5 mm u. mit 0,25 mm Dichtlippe · weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

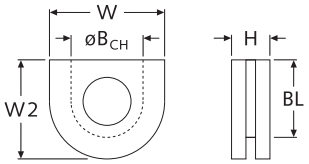
**Standard-Material:** **P:** PVC ■ schwarz -30°C bis +70°C
**T:** TPE ■ schwarz -40°C bis +90°C UL-94 HB

## DT M + DT NK + DT PK



**Durchführungstüllen, mit Rand geschlossen, geschlitzt oder offen**

*Grommets with flat edge closed, cut or open*



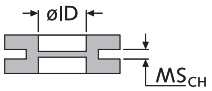

| Art.-Nr. | Artikel-Bez. | ID | $B_{CH}$ | $MS_{CH}$ ca. | W | W2 | H | BL | Typ | Material | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20441 | DT PK 05075/1210-P | 5,0 | 7,5 | 1,0 | 12,0 | 9,5 | 4,0 | 7,5 | C | PVC | ■ |
| NEW 53730 | DT NK 05710/1213-P | 5,7 | 10,0 | 1,3 | 12,0 | 10,5 | 6,5 | 9,5 | D | EPDM | ■ |
| 18626 | DT NK 07105/1414-P | 7,0 | 10,5 | 1,5 | 13,8 | 13,8 | 5,5 | 12,0 | C | EPDM | ■ |
| 18627 | DT M 09138/1920N-P | 9,0 | 13,8 | 2,0 | 19,0 | 19,0 | 7,0 | 16,3 | A | EPDM | ■ |
| 24379 | DT M 13520/2420T-P | 13,5 | 20,0 | 2,0 | 24,0 | 24,0 | 9,0 | 22,0 | A | TPE | ■ |
| 24377 | DT M 13520/2420P-P | 13,5 | 20,0 | 2,0 | 24,0 | 24,0 | 9,0 | 22,0 | A | PVC | ■ |
| 24378 | DT M 13520/2420P-PS | 13,5 | 20,0 | 2,0 | 24,0 | 24,0 | 9,0 | 22,0 | B | PVC | ■ |
| 06673 | DT M 13520/2440T-P | 13,5 | 20,0 | 4,0 | 24,0 | 24,0 | 9,0 | 22,0 | A | TPE | ■ |
| 06663 | DT M 13520/2440P-P | 13,5 | 20,0 | 4,0 | 24,0 | 24,0 | 9,0 | 22,0 | A | PVC | ■ |
| 06664 | DT M 13520/2440P-PS | 13,5 | 20,0 | 4,0 | 24,0 | 24,0 | 9,0 | 22,0 | B | PVC | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

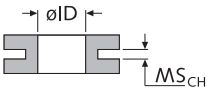
**Standard-Material:**

| | | | |
|---|---|---|---|
| Weich-PVC | ■ schwarz | -30°C bis +70°C | |
| TPE | ■ schwarz | -40°C bis +90°C | (UL-94 HB auf Anfrage) |
| EPDM | ■ schwarz | -40°C bis +120°C | |

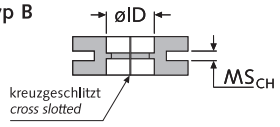
Typ A



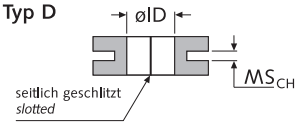

Typ C




Typ B




Typ D

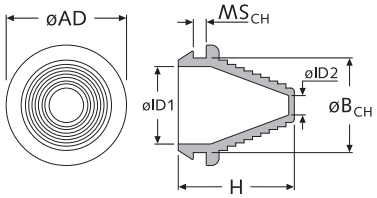



## DT MM

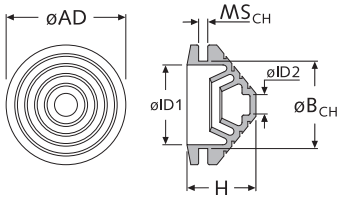
**Membrantüllen, mit variablem Innendurchmesser**

*Membrane grommets with variable inner diameter*

Typ A




Typ B




| Art.-Nr. | Artikel-Bez. | ID ø | $B_{CH}$ ø | $MS_{CH}$ ca. | AD ø | H | ID2 ø | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 09019 | DT MM 1921/2620PSW | 19,0 | 21,0 | 2,0 | 26,0 | 15,0 | 5,0 | B | ■ |
| 09020 | DT MM 1921/2620PW | 19,0 | 21,0 | 2,0 | 26,0 | 15,0 | 5,0 | B | □ |
| 09021 | DT MM 2832/3750PSW | 28,0 | 32,0 | 5,0 | 37,0 | 15,0 | 5,0 | B | ■ |
| 09022 | DT MM 2832/3750PW | 28,0 | 32,0 | 5,0 | 37,0 | 15,0 | 5,0 | B | □ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

**Standard-Material:**

| | | | | |
|---|---|---|---|---|
| **Typ A:** | Weich-PVC | ■ schwarz | -30°C bis +70°C | - |
| **Typ B:** | Weich-PVC | ■ schwarz | -30°C bis +60°C | Shore 70A-80A |
| | Weich-PVC | □ weiß | -30°C bis +60°C | Shore 70A-80A |

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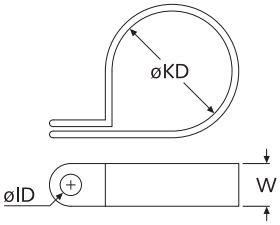
N

Kabelschellen aus Kunststoff

*Plastic cable clamps*




**Standard-Material:**

PA UL-94 V2 ☐ natur
-40°C bis +75°C

PA UL-94 V2 ■ schwarz UV
-40°C bis +75°C

Durchschlagsfestigkeit: 12 kV/mm

Material auf Anfrage:
PP ☐ natur
PP ■ schwarz

| Art.-Nr. natur | Artikel-Bez. | KD ø | ID ø | W | Farbe | Art.-Nr. schwarz | Artikel-Bez. | KD ø | ID ø | W | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 34062 | N-00MM-01-N | 0,8 | 2,4 | 4,0 | ☐ | - | - | - | - | - | ■ |
| 00860 | N-01-01-N | 1,6 | 3,2 | 9,5 | ☐ | 25628* | N-01-01-S* | 1,6 | 3,2 | 9,5 | ■ |
| 34064 | N-01.5-01-N | 2,4 | 2,4 | 4,0 | ☐ | - | - | - | - | - | ■ |
| 25107 | N-02MM-01-N | 3,2 | 2,4 | 4,0 | ☐ | - | - | - | - | - | ■ |
| 25626 | N-02S-01-N | 3,2 | 3,2 | 9,5 | ☐ | - | - | - | - | - | ■ |
| 00861 | N-02-01-N | 3,2 | 4,3 | 9,5 | ☐ | 25629 | N-02-01-S | 3,2 | 4,3 | 9,5 | ■ |
| 16248 | N-02M-01-N | 3,2 | 5,2 | 9,5 | ☐ | 24125 | N-02M-01-S | 3,2 | 5,2 | 9,5 | ■ |
| 01200 | N-02B-01-N | 3,2 | 5,2 | 12,7 | ☐ | 24135 | N-02B-01-S | 3,2 | 5,2 | 12,7 | ■ |
| 34066 | N-02.5-01-N | 4,0 | 2,4 | 4,0 | ☐ | - | - | - | - | - | ■ |
| 26965 | N-03MM-01-N | 4,8 | 2,4 | 4,0 | ☐ | - | - | - | - | - | ■ |
| 00862 | N-03-01-N | 4,8 | 4,3 | 9,5 | ☐ | 10170 | N-03-01-S | 4,8 | 4,3 | 9,5 | ■ |
| 16249 | N-03M-01-N | 4,8 | 5,2 | 9,5 | ☐ | 24126 | N-03M-01-S | 4,8 | 5,2 | 9,5 | ■ |
| 01201 | N-03B-01-N | 4,8 | 5,2 | 12,7 | ☐ | 24136 | N-03B-01-S | 4,8 | 5,2 | 12,7 | ■ |
| 34068 | N-04MM-01-N | 6,4 | 3,3 | 7,1 | ☐ | - | - | - | - | - | ■ |
| 00863 | N-04-01-N | 6,4 | 4,3 | 9,5 | ☐ | 25630 | N-04-01-S | 6,4 | 4,3 | 9,5 | ■ |
| 16250 | N-04M-01-N | 6,4 | 5,2 | 9,5 | ☐ | 24127 | N-04M-01-S | 6,4 | 5,2 | 9,5 | ■ |
| 01202 | N-04B-01-N | 6,4 | 5,2 | 12,7 | ☐ | 19942 | N-04B-01-S | 6,4 | 5,2 | 12,7 | ■ |
| 00864 | N-05-01-N | 8,0 | 4,3 | 9,5 | ☐ | 25631 | N-05-01-S | 8,0 | 4,3 | 9,5 | ■ |
| 16251 | N-05M-01-N | 7,9 | 5,2 | 9,5 | ☐ | 24128 | N-05M-01-S | 7,9 | 5,2 | 9,5 | ■ |
| 01203 | N-05B-01-N | 7,9 | 5,2 | 12,7 | ☐ | 24138 | N-05B-01-S | 7,9 | 5,2 | 12,7 | ■ |
| 00865 | N-06-01-N | 9,5 | 4,3 | 9,5 | ☐ | 25632 | N-06-01-S | 9,5 | 4,3 | 9,5 | ■ |
| 16252 | N-06M-01-N | 9,5 | 5,2 | 9,5 | ☐ | 24129 | N-06M-01-S | 9,5 | 5,2 | 9,5 | ■ |
| 01204 | N-06B-01-N | 9,5 | 5,2 | 12,7 | ☐ | 24139 | N-06B-01-S | 9,5 | 5,2 | 12,7 | ■ |
| 00866 | N-07-01-N | 11,1 | 4,3 | 9,5 | ☐ | 25633 | N-07-01-S | 11,1 | 4,3 | 9,5 | ■ |
| 16253 | N-07M-01-N | 11,1 | 5,2 | 9,5 | ☐ | 24130 | N-07M-01-S | 11,1 | 5,2 | 9,5 | ■ |
| 01205 | N-07B-01-N | 11,1 | 5,2 | 12,7 | ☐ | 24140 | N-07B-01-S | 11,1 | 5,2 | 12,7 | ■ |
| 00867 | N-08-01-N | 12,7 | 4,3 | 9,5 | ☐ | 25634 | N-08-01-S | 12,7 | 4,3 | 9,5 | ■ |
| 16254 | N-08M-01-N | 12,7 | 5,2 | 9,5 | ☐ | 24131 | N-08M-01-S | 12,7 | 5,2 | 9,5 | ■ |
| 01206 | N-08B-01-N | 12,7 | 5,2 | 12,7 | ☐ | 24133 | N-08B-01-S | 12,7 | 5,2 | 12,7 | ■ |
| 01185 | N-09B-01-N | 14,3 | 5,2 | 12,7 | ☐ | 24141 | N-09B-01-S | 14,3 | 5,2 | 12,7 | ■ |
| 16255 | N-10M-01-N | 15,9 | 5,2 | 9,5 | ☐ | - | - | - | - | - | ■ |
| 41660 | N-10H-01-N | 15,9 | 4,2 | 10,0 | ☐ | - | - | - | - | - | ■ |
| 01207 | N-10B-01-N | 15,9 | 5,2 | 12,7 | ☐ | 24134 | N-10B-01-S | 15,9 | 5,2 | 12,7 | ■ |
| 01208 | N-11B-01-N | 17,5 | 5,2 | 12,7 | ☐ | 24142 | N-11B-01-S | 17,5 | 5,2 | 12,7 | ■ |
| 01209 | N-12B-01-N | 19,1 | 5,5 | 12,7 | ☐ | 24143 | N-12B-01-S | 19,1 | 5,5 | 12,7 | ■ |
| 23974 | N-13B-01-N | 20,6 | 5,2 | 12,7 | ☐ | 24150 | N-13B-01-S | 20,6 | 5,2 | 12,7 | ■ |
| 01210 | N-14B-01-N | 22,2 | 5,2 | 12,7 | ☐ | 24144 | N-14B-01-S | 22,2 | 5,2 | 12,7 | ■ |
| 01211 | N-16B-01-N | 25,4 | 5,2 | 12,7 | ☐ | 24145 | N-16B-01-S | 25,4 | 5,2 | 12,7 | ■ |
| 01212 | N-18B-01-N | 28,6 | 5,2 | 12,7 | ☐ | 24146 | N-18B-01-S | 28,6 | 5,2 | 12,7 | ■ |
| NEW 52485 | N-20B-01-N | 30,1 | 5,2 | 12,7 | ☐ | 52486 | N-20B-01-S | 30,1 | 5,2 | 12,7 | ■ |
| NEW 52487 | N-22B-01-N | 31,8 | 5,2 | 12,7 | ☐ | 52488 | N-22B-01-S | 31,8 | 5,2 | 12,7 | ■ |
| NEW 52489 | N-26B-01-N | 34,9 | 5,2 | 12,7 | ☐ | 52490 | N-26B-01-S | 34,9 | 5,2 | 12,7 | ■ |
| NEW 45983 | N-28B-01-N | 38,1 | 5,2 | 12,7 | ☐ | 45984 | N-28B-01-S | 38,1 | 5,2 | 12,7 | ■ |

**nicht UV-beständig · weitere Abmessungen a. A. · Unit: mm · MOQ siehe Website*

UV = UV-beständig *UV-resistant*

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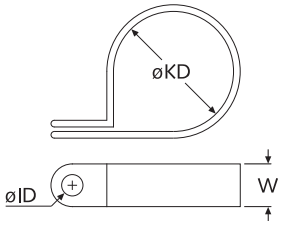
## NS

Kabelschellen aus Kunststoff

*Plastic cable clamps*




| Art.-Nr. schwarz | Art.-Nr. grau | Artikel-Bez. | KD ø | ID ø | W |
|---|---|---|---|---|---|
| 15431 | 47839 | NS-03-... | 3,0 | 3,0 | 7,0 |
| 15432 | 47840 | NS-05-... | 5,0 | 3,0 | 7,0 |
| 15433 | 47841 | NS-06-... | 6,0 | 3,0 | 7,0 |
| 15434 | 47842 | NS-07-... | 7,0 | 5,0 | 12,0 |
| 15435 | 47843 | NS-08-... | 8,0 | 5,0 | 12,0 |
| 15436 | 47844 | NS-09-... | 9,0 | 5,0 | 12,0 |
| 15437 | 47845 | NS-10-... | 10,0 | 5,0 | 12,0 |
| 15438 | 47846 | NS-12-... | 12,0 | 5,0 | 12,0 |
| 15439 | 47847 | NS-14-... | 14,0 | 5,0 | 12,0 |
| 15440 | 47848 | NS-16-... | 16,0 | 5,0 | 12,0 |
| 15441 | 47849 | NS-18-... | 18,0 | 5,0 | 12,0 |

| Art.-Nr. schwarz | Art.-Nr. grau | Artikel-Bez. | KD ø | ID ø | W |
|---|---|---|---|---|---|
| 15442 | 47850 | NS-20-... | 20,0 | 5,0 | 12,0 |
| 15443 | 47851 | NS-22-... | 22,0 | 5,0 | 12,0 |
| 15444 | 47852 | NS-24-... | 24,0 | 5,0 | 12,0 |
| 15445 | 47853 | NS-26-... | 26,0 | 5,0 | 12,0 |
| 15446 | 47854 | NS-28-... | 28,0 | 5,0 | 12,0 |
| 15447 | 47855 | NS-30-... | 30,0 | 5,0 | 12,0 |
| 15448 | 47856 | NS-34-... | 34,0 | 5,0 | 12,0 |
| 15449 | 47857 | NS-38-... | 38,0 | 5,0 | 16,0 |
| 15450 | 47858 | NS-42-... | 42,0 | 5,0 | 16,0 |
| 15451 | 47859 | NS-46-... | 46,0 | 5,0 | 16,0 |
| 15452 | 47860 | NS-50-... | 50,0 | 5,0 | 16,0 |

*Unit: mm · MOQ 100x*

**Standard-Material:**

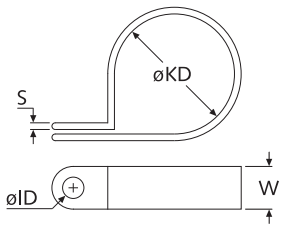
| | | | | |
|---|---|---|---|---|
| PA | - | schwarz | -40°C bis +130°C | (Durchschlagsfestigkeit: 60 kV/mm) |
| H-PVC | UL-94 V-0 | grau | -20°C bis +65°C | (Durchschlagsfestigkeit: 35 kV/mm) |

**Info:** Alterungs-, korrosions-, ozon- und UV-beständig

## AL

Kabelschellen aus Aluminium

*Aluminium cable clamps*




| Art.-Nr. Alu | Artikel-Bez. | KD ø | ID ø | W | S |
|---|---|---|---|---|---|
| 00926 | AL-02 | 3,2 | 5,2 | 9,5 | 0,8 |
| 00927 | AL-03 | 4,8 | 5,2 | 9,5 | 0,8 |
| 02020 | AL-04 | 6,4 | 4,6 | 9,5 | 0,8 |
| 02021 | AL-05 | 7,9 | 5,2 | 9,5 | 0,8 |
| 02099 | AL-06 | 9,5 | 5,2 | 9,5 | 0,8 |
| 02100 | AL-07 | 11,1 | 5,2 | 9,5 | 0,8 |
| 02101 | AL-08 | 12,7 | 5,2 | 9,5 | 0,8 |
| 02102 | AL-09 | 14,3 | 5,2 | 9,5 | 0,8 |

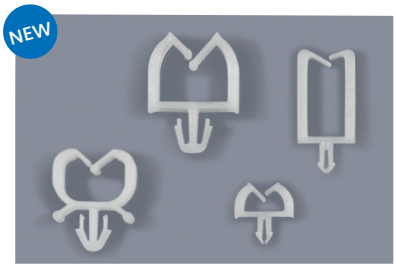
| Art.-Nr. Alu | Artikel-Bez. | KD ø | ID ø | W | S |
|---|---|---|---|---|---|
| 02103 | AL-10 | 15,9 | 5,2 | 9,5 | 0,8 |
| 02104 | AL-11 | 17,5 | 5,2 | 12,7 | 1,6 |
| 02105 | AL-12 | 19,1 | 5,2 | 12,7 | 1,6 |
| 02106 | AL-14 | 22,2 | 5,2 | 12,7 | 1,6 |
| 02107 | AL-15 | 23,8 | 5,2 | 12,7 | 1,6 |
| 02108 | AL-16 | 25,4 | 5,2 | 12,7 | 1,6 |
| 02109 | AL-18 | 28,6 | 5,2 | 12,7 | 1,6 |
| 29101 | AL-20 | 31,8 | 5,2 | 12,7 | 1,6 |

*Unit: mm · MOQ 100x*

**Standard-Material:** Aluminium, blank

Material auf Anfrage: Aluminium, blank, mit schwarzem PVC-Überzug

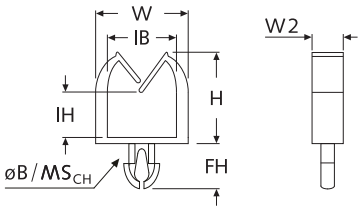
MWS + MWSEA + MWSET + MWSEK



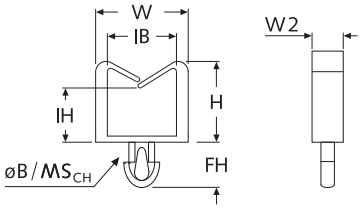

Miniatur-Kabelhalter, steckbar

*Miniature plug-in cable holders*

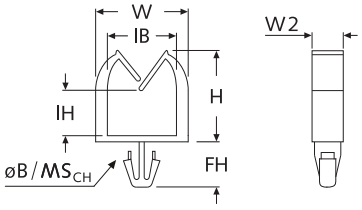
**MWSET**



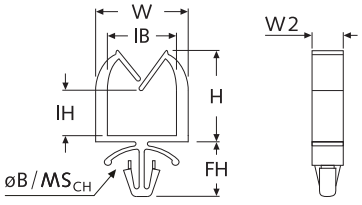

**MWS**




**MWSEA**




**MWSEK**

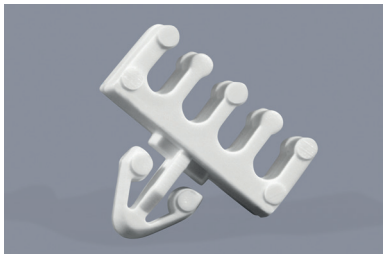



| Art.-Nr. natur | Artikel-Bez. | $B_{CH}$ Ø | $MS_{CH}$ max | IB x IH | W | W2 | FH | H | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 01026 | MWSET1-1-01 | 1,7 | 1,6 | 4,8x1,2 | 7,0 | 2,0 | 3,3 | 4,0 | ☐ |
| 01027 | MWSET1-2-01 | 1,7 | 1,6 | 4,8x3,0 | 7,0 | 2,0 | 3,3 | 6,0 | ☐ |
| 52482 | MWSET1-3-01 | 1,7 | 2,4 | 4,8x1,2 | 7,0 | 2,0 | 4,1 | 4,0 | ☐ |
| 52483 | MWSET1-4-01 | 1,7 | 2,4 | 4,8x3,0 | 7,0 | 2,0 | 4,1 | 6,0 | ☐ |
| 00436 | MWS-01-01 | 1,8 | 1,6 | 4,5x3,0 | 6,9 | 1,9 | 3,3 | 5,8 | ☐ |
| 52391 | MWS-02-01 | 1,8 | 1,6 | 4,5x8,5 | 6,9 | 1,9 | 3,3 | 11,2 | ☐ |
| 52392 | MWS-03-01 | 1,8 | 2,2 | 4,5x8,5 | 6,9 | 1,9 | 3,3 | 11,2 | ☐ |
| 52484 | MWS-04-01 | 1,8 | 2,4 | 4,5x3,0 | 6,9 | 1,9 | 3,3 | 5,8 | ☐ |
| 40803 | MWSEK1-1-01 | 3,0 | 0,6-1,6 | 7,2x3,7 | 9,7 | 4,0 | 5,1 | 7,1 | ☐ |
| 01028 | MWSET2-1-01 | 3,0 | 1,0-1,2 | 6,7x3,1 | 9,1 | 4,0 | 4,3 | 7,3 | ☐ |
| 01029 | MWSET2-2-01 | 3,0 | 1,2-1,6 | 6,7x3,1 | 9,1 | 4,0 | 4,8 | 7,3 | ☐ |
| 01030 | MWSEA10-1-01 | 3,0 | 1,6 | 6,7x3,0 | 9,1 | 4,0 | 4,8 | 7,3 | ☐ |
| 16663 | MWSEA10-2-01 | 3,0 | 1,6 | 8,2x3,9 | 10,8 | 4,0 | 4,8 | 9,1 | ☐ |
| 16664 | MWSEA10-3-01 | 3,0 | 1,6 | 9,4x6,0 | 12,0 | 4,0 | 4,8 | 11,2 | ☐ |
| 16665 | MWSEA10-4-01 | 3,0 | 1,6 | 9,4x7,7 | 12,0 | 4,0 | 4,8 | 13,0 | ☐ |
| 52394 | MWSEA11-1-01 | 3,0 | 2,4 | 6,7x3,0 | 9,1 | 4,0 | 4,8 | 7,3 | ☐ |
| 52395 | MWSEA11-2-01 | 3,0 | 2,4 | 8,2x3,9 | 10,8 | 4,0 | 4,8 | 9,1 | ☐ |
| 52396 | MWSEA11-3-01 | 3,0 | 2,4 | 9,4x6,0 | 12,0 | 4,0 | 4,8 | 11,2 | ☐ |
| 52397 | MWSEA11-4-01 | 3,0 | 2,4 | 9,4x7,7 | 12,0 | 4,0 | 4,8 | 13,0 | ☐ |
| 01031 | MWSEA20-1-01 | 3,5 | 1,6 | 6,7x3,0 | 9,1 | 4,0 | 4,8 | 7,3 | ☐ |
| 01032 | MWSEA20-2-01 | 3,5 | 1,6 | 8,2x3,9 | 10,8 | 4,0 | 4,8 | 9,1 | ☐ |
| 01033 | MWSEA20-3-01 | 3,5 | 1,6 | 9,4x6,0 | 12,0 | 4,0 | 4,8 | 11,2 | ☐ |
| 01034 | MWSEA20-4-01 | 3,5 | 1,6 | 9,4x7,7 | 12,0 | 4,0 | 4,8 | 13,0 | ☐ |
| 52398 | MWSEA21-1-01 | 3,5 | 2,4 | 6,7x3,0 | 9,1 | 4,0 | 4,8 | 7,3 | ☐ |
| 52399 | MWSEA21-2-01 | 3,5 | 2,4 | 8,2x3,9 | 10,8 | 4,0 | 4,8 | 9,1 | ☐ |
| 52400 | MWSEA21-3-01 | 3,5 | 2,4 | 9,4x6,0 | 12,0 | 4,0 | 4,8 | 11,2 | ☐ |
| 52401 | MWSEA21-4-01 | 3,5 | 2,4 | 9,4x7,7 | 12,0 | 4,0 | 4,8 | 13,0 | ☐ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

| | | | | | |
|---|---|---|---|---|---|
| **Standard-Material:** | PA | UL-94 V-2 | ☐ natur | -40°C bis +75°C |
| Auf Anfrage: | PA | UL-94 V-0 | ☐ natur | -40°C bis +75°C |

## HURC

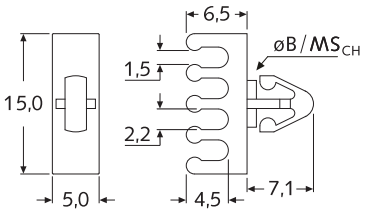


Miniatur-Kabelhalter
*Miniature cable holders*

$B_{CH}$= ø5,0
$MS_{CH}$= 2,0

| Art.-Nr. weiß | Artikel-Bez. | $B_{CH}$ Ø | $MS_{CH}$ max | Farbe |
|---|---|---|---|---|
| 01177 | HURC-I-4-W | 5,0 | 2,0 | ☐ |

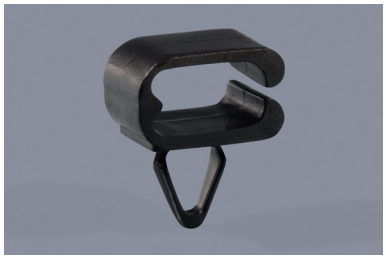
*a. A. mit 3 Armen · Unit: mm · MOQ 100x*




**Standard-Material:**
PA-GV (25%) UL-94 HB ☐ weiß
-40°C bis +110°C

**Info:** Dieser Litzenhalter kann bis zu 12 Litzen, mit mind. 1,5 mm bis max. 2,2 mm Durchmesser gleichzeitig aufnehmen.

## WS-MI

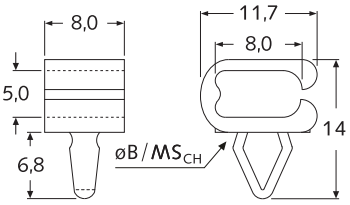


Miniatur-Kabelhalter, steckbar
*Miniature plug-in cable holders*

$B_{CH}$= ø5,0
$MS_{CH}$= 1,6

| Art.-Nr. schwarz | Artikel-Bez. | $B_{CH}$ Ø | $MS_{CH}$ max | Farbe |
|---|---|---|---|---|
| 03406 | WS-MI-S | 5,0 | 1,6 | ■ |
| 37912 | WS-MI-W | 5,0 | 1,6 | ☐ |

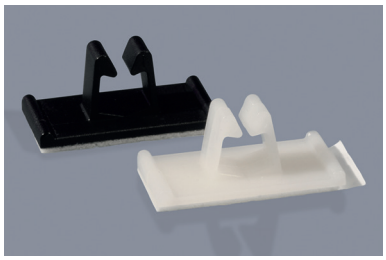
*Unit: mm · MOQ 100x*



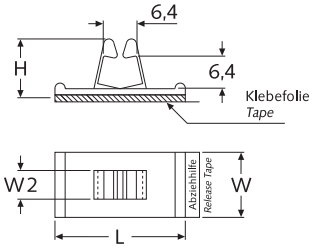

**Standard-Material:**
POM UL-94 HB ■ schwarz / ☐ weiß
-40°C bis +95°C

**Info:** Dieser Litzenhalter kann mehrere Litzen aufnehmen.
Die Kabel sind durch die seitliche Öffnung wiederlösbar.

## RKAW



Rundkabelhalter, selbstklebend
*Self-adhesive round cable holders*



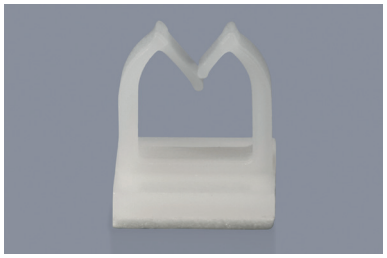

| Art.-Nr. | Artikel-Bez. | L | W | W2 | H | Farbe |
|---|---|---|---|---|---|---|
| 26735 | RKAW-064-MN-A | 17,8 | 8,9 | 5,6 | 11,8 | ☐ |
| 26736 | RKAW-064-MS-A | 17,8 | 8,9 | 5,6 | 11,8 | ■ |
| 00802 | RKAW-064-XN-A | 25,5 | 12,6 | 5,7 | 11,6 | ☐ |
| 26737 | RKAW-064-XS-A | 25,5 | 12,6 | 5,7 | 11,6 | ■ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100/1.000x*

**Standard-Material:** PA UL-94 V-2 ☐ natur -40°C bis +75°C
PA UL-94 V-2 ■ schwarz -40°C bis +75°C

**Info:** Klebefolie: Acrylat (3M), Dauergebrauchstemperatur -30°C bis +75°C

## MWSB + MWSEB



Miniatur-Kabelhalter, selbstklebend

*Self-adhesive miniature cable holders*

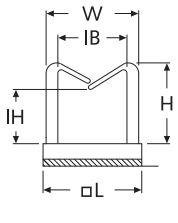
| Art.-Nr. natur | Artikel-Bez. | IB x IH | L □ | W | W2 | S | H | Farbe |
|---|---|---|---|---|---|---|---|---|
| 00437 | MWSB-01-01A-RT | 4,3 x 3,0 | 9,5 | 7,0 | 2,0 | 1,4 | 4,8 | ☐ |
| 01739 | MWSEB-1-01A-RT | 4,8 x 1,3 | 9,5 | 7,0 | 2,0 | 1,6 | 4,0 | ☐ |
| 03568 | MWSEB-2-01A-RT | 4,8 x 3,3 | 9,5 | 7,0 | 2,0 | 1,6 | 6,0 | ☐ |
| 07325 | MWSEB-3-01A-RT | 6,6 x 3,0 | 12,7 | 9,0 | 4,0 | 2,0 | 7,3 | ☐ |
| 03449 | MWSEB-4-01A-RT | 8,0 x 4,8 | 12,7 | 10,8 | 4,0 | 2,0 | 9,2 | ☐ |
| 07326 | MWSEB-5-01A-RT | 9,1 x 5,8 | 12,7 | 11,9 | 4,0 | 2,0 | 11,2 | ☐ |
| 07327 | MWSEB-6-01A-RT | 9,1 x 8,4 | 12,7 | 11,9 | 4,0 | 2,0 | 13,0 | ☐ |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

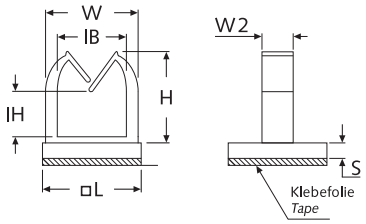
**Standard-Material:** PA UL-94 V-2 ☐ natur -40°C bis +75°C
Auf Anfrage: PA UL-94 V-0 ☐ natur -40°C bis +75°C

**Info:** Klebefolie: Acrylat, Dauergebrauchstemperatur -30°C bis +60°C

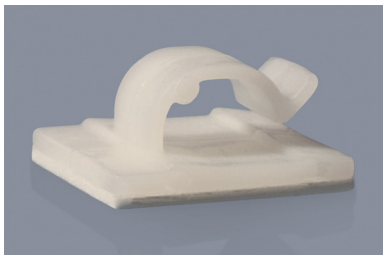
**MWSB**




**MWSEB**

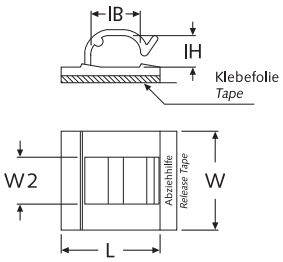



## WCK



Rundkabelhalter, selbstklebend

*Self-adhesive round cable holders*




| Art.-Nr. natur | Artikel-Bez. | IB x IH | L | W | W2 | KT | Ausführung | Farbe |
|---|---|---|---|---|---|---|---|---|
| 02623 | WCK-180-01A-RT | 4,1 x 4,6 | 16,0 | 15,7 | 7,9 | A | AH | ☐ |
| 03988 | WCK-180-01-E-3M-A | 5,0 x 4,9 | 19,0 | 19,0 | 10,0 | A | OH | ☐ |
| 12608 | WCK-180-01-E-3MV-A | 5,0 x 6,0 | 19,0 | 19,0 | 10,0 | C | OH | ☐ |
| 03415 | WCK-460-01-P-A | 7,0 x 11,7 | 25,4 | 25,4 | 12,4 | B | ST | ☐ |
| 02630 | WCK-460-01A-RT | 7,1 x 11,4 | 25,1 | 25,1 | 11,9 | A | AH | ☐ |
| 08819 | WCK-420-01-P-A | 8,0 x 11,7 | 19,0 | 19,0 | 9,5 | A | ST | ☐ |
| 03989 | WCK-460-01-E-3M-A | 8,0 x 12,0 | 26,0 | 26,0 | 12,5 | A | OH | ☐ |
| 12607 | WCK-460-01-E-3MV-A | 8,0 x 12,0 | 26,0 | 26,0 | 12,5 | C | OH | ☐ |
| 02631 | WCK-720-01A-RT | 13,5 x 18,3 | 25,4 | 25,4 | 12,7 | A | AH | ☐ |
| 03990 | WCK-720-01-E-3M-A | 15,0 x 18,0 | 26,0 | 26,0 | 16,0 | A | OH | ☐ |

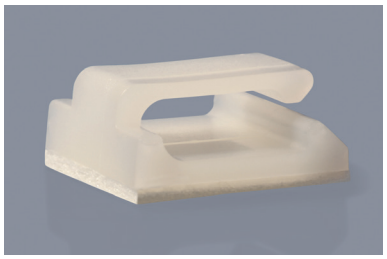
*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 ☐ natur -40°C bis +75°C

**KT = Klebefolien-Temperaturbereich:** **A:** -30°C bis +60°C – kurzeitig: +75°C
**B:** -20°C bis +90°C – kurzeitig: +150°C
**C:** -30°C bis +110°C – kurzeitig: +190°C

**Ausführungen:** AH = mit Abziehhilfe, OH = ohne Abziehhilfe, ST = auf Streifen zu 10 Stück

## MWSSEB + MWSSEBE

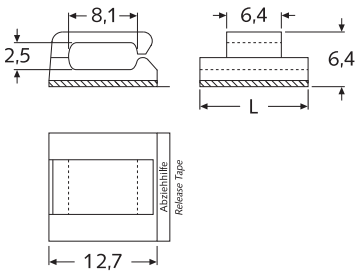


Miniatur-Kabelhalter, selbstklebend

*Self-adhesive miniature cable holders*

| Art.-Nr. natur | Artikel-Bez. | L | Farbe |
|---|---|---|---|
| 00438 | MWSSEB-01-01A-RT natur | 9,5 | ☐ |
| 00439 | MWSSEBE-01-01A-RT natur | 12,7 | ☐ |
| NEW 46932 | MWSSEBE-01-01A-RT sw | 12,7 | ■ |

*Unit: mm · MOQ 100x*



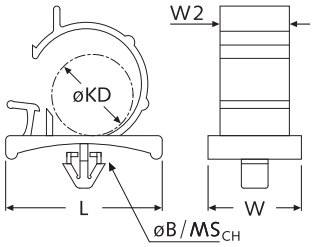

**Standard-Material:**
PA UL-94 V-2 ☐ natur / ■ schwarz
-40°C bis +75°C

**Info:** Klebefolie: Acrylat, Dauergebrauchstemperatur -30°C bis +60°C

## RKS

Rundkabelhalter, steckbar

*Plug-in round cable holders*




| Art.-Nr. | Artikel-Bez. | KD ø | $B_{CH}$ ø | $MS_{CH}$ | L | W | W2 | Höhe | Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 05529 | RKS-064/20-G | 6,4 | 6,4 | 2,0-3,8 | 25,4 | 14,7 | 10,4 | 11,2 | ■ |
| 05534 | RKS-095/38-G | 9,5 | 6,4 | 2,0-3,8 | 25,4 | 16,5 | 12,7 | 12,7 | ■ |
| 39650 | RKS-095/27-N | 9,5 | 6,5-7,0 | 0,6-2,7 | 23,9 | 14,4 | 14,4 | 15,0 | □ |
| 16657 | RKS-105/16-N | 10,5 | 6,5 | 0,8-1,6 | 25,7 | 16,8 | 11,8 | 15,0 | □ |
| 39649 | RKS-127/27-N | 12,7 | 5,0-6,0 | 0,6-2,7 | 31,8 | 19,0 | 16,0 | 18,4 | □ |
| 03493 | RKS-190/20-G | 19,0 | 6,4 | 0,5-2,0 | 35,1 | 22,4 | 17,1 | 24,6 | ■ |
| 39651* | RKS-250/16-N* | 25,0 | 6,5 | 0,8-1,6 | 38,7 | 9,5 | 9,5 | 30,0 | □ |
| 39652*[1] | RKS-300/20-N*[1] | 30,0 | 6,5 | 0,8-2,0 | 43,0 | 9,5 | 9,5 | 36,0 | □ |

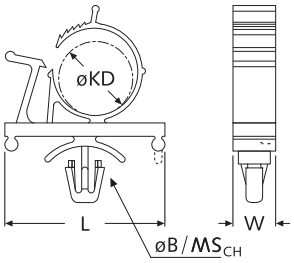
**Bauform ähnlich zu Skizze · [1]abweichende Brandklasse UL-94 V-0 · Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 □ natur (N) -40°C bis +75°C
PA UL-94 V-2 ■ hellgrau (G) -40°C bis +75°C

## RKSV

Rundkabelhalter, steckbar

*Plug-in round cable holders*

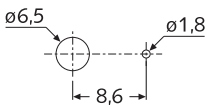



| Art.-Nr. natur | Artikel-Bez. | KD ø | $B_{CH}$ ø | $MS_{CH}$ | L | W | Höhe | Farbe |
|---|---|---|---|---|---|---|---|---|
| 26490* | RKSV-070095/16-N | 7,0-9,5 | 6,4* | 0,8-1,6 | 22,0 | 12,2 | 24,1 | □ |
| 42824 | RKSV-079102/15-N | 7,9-10,2 | 6,4 | 0,8-1,5 | 19,1 | 8,2 | 21,5 | □ |
| 26491 | RKSV-119143/15-N | 11,9-14,3 | 6,4 | 0,8-1,5 | 31,5 | 10,2 | 29,8 | □ |
| 00981 | RKSV-147191/15-N | 14,7-19,1 | 6,4 | 0,8-1,5 | 38,1 | 12,7 | 34,5 | □ |

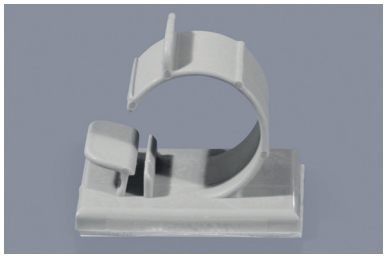
**siehe Montagebohrung für Artikel: 26490 · Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 □ natur -40°C bis +75°C
Material auf Anfrage: PA UL-94 V-0 □ natur -40°C bis +75°C

Montagebohrung für Artikel: 26490
*Mounting Hole for item: 26490*

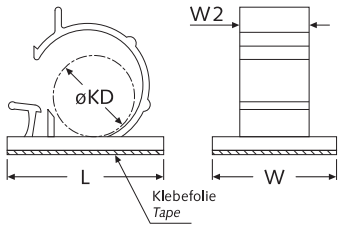


## RKA



**Rundkabelhalter, selbstklebend**

*Self-adhesive round cable holders*



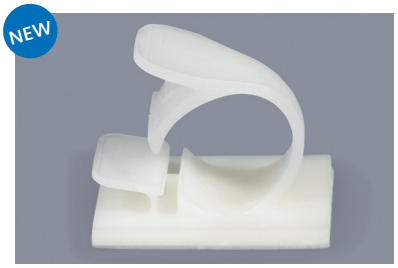

| Art.-Nr. | Artikel-Bez. | KD ø | L | W | W2 | Farbe |
|---|---|---|---|---|---|---|
| 11335 | RKA-048-G-A grau | 5,0 | 16,0 | 18,8 | 9,7 | |
| 34545 | RKA-064-G-A grau | 6,4 | 22,1 | 25,4 | 16,0 | |
| 11337 | RKA-095-G-A grau | 9,5 | 25,4 | 25,4 | 12,7 | |
| 26731 | RKA-104-N-A natur | 10,4 | 21,6 | 17,0 | 12,0 | |
| 03496 | RKA-110-G-A grau | 11,0 | 25,3 | 25,4 | 16,1 | |
| 34546 | RKA-127-G-A grau | 12,7 | 30,7 | 25,4 | 16,3 | |
| 03497 | RKA-191-G-A grau | 19,6 | 37,0 | 29,3 | 16,9 | |
| 11338 | RKA-254-G-A grau | 26,8 | 57,1 | 50,5 | 31,7 | |

*weitere Abmessungen a. A. · Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 grau (G) -40°C bis +75°C
PA UL-94 V-2 natur (N) -40°C bis +75°C

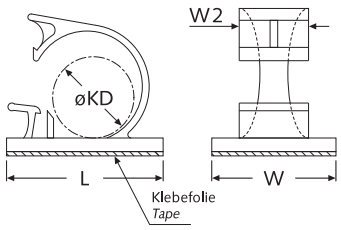
**Info:** Klebefolie: Acrylat (3M), Dauergebrauchstemperatur -30°C bis +75°C

## RKAS



**Rundkabelhalter, selbstklebend**

*Self-adhesive round cable holders*



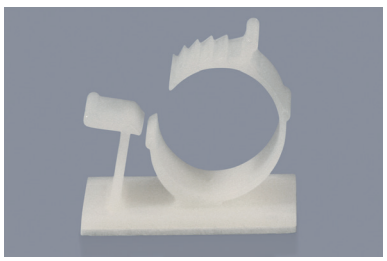

| Art.-Nr. natur | Artikel-Bez. | KD ø | L | W | W2 | Höhe ca. | Farbe |
|---|---|---|---|---|---|---|---|
| 30631 | RKAS-040-N-A | 4,0 | 13,0 | 10,0 | 6,8 | 9,0 | |
| 30632 | RKAS-060-N-A | 6,0 | 15,0 | 13,0 | 9,0 | 11,0 | |
| 30633 | RKAS-090-N-A | 9,0 | 21,6 | 19,0 | 12,8 | 14,0 | |
| 30634 | RKAS-110-N-A | 11,0 | 25,0 | 20,0 | 13,2 | 16,0 | |
| 30635 | RKAS-134-N-A | 13,4 | 32,0 | 25,4 | 16,0 | 18,4 | |
| 30636 | RKAS-180-N-A | 18,0 | 35,8 | 24,8 | 16,8 | 23,0 | |
| 30637 | RKAS-254-N-A | 25,4 | 56,1 | 50,0 | 20,1 | 30,5 | |
| 30638 | RKAS-300-N-A | 30,0 | 56,1 | 50,0 | 20,1 | 35,0 | |

**ohne Bohrung und Abziehhilfe · [1]ohne Bohrung · Unit: mm · MOQ 50/100x*

**Standard-Material:** PA UL-94 V-2 natur -40°C bis +75°C

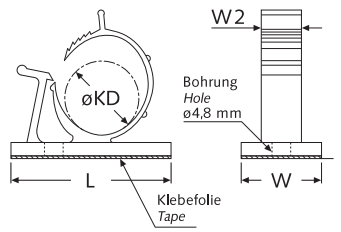
**Info:** Klebefolie: Acrylat, Dauergebrauchstemperatur -30°C bis +75°C

## RKAV



**Rundkabelhalter, selbstklebend**

*Self-adhesive round cable holders*




| Art.-Nr. natur | Artikel-Bez. | KD ø | L | W | W2 | Höhe | Farbe |
|---|---|---|---|---|---|---|---|
| 26732 | RKAV-055/065-A-RT | 5,5-6,5 | 21,6 | 16,5 | 10,0 | 18,0 | |
| 01068 | RKAV-079/103-A-RT | 7,9-10,3 | 25,4 | 19,1 | 10,2 | 22,0 | |
| 26733* | RKAV-110/133-A | 11,0-13,3 | 25,4 | 15,0 | 10,0 | 24,8 | |
| 01067 | RKAV-119/143-A-RT | 11,9-14,3 | 31,5 | 19,1 | 10,0 | 27,7 | |
| 01069 | RKAV-147/191-A-RT | 14,7-19,1 | 38,1 | 19,1 | 12,7 | 32,8 | |
| 26734* | RKAV-180/220-A | 18,0-22,0 | 36,0 | 19,0 | 12,7 | 35,5 | |
| 01070 | RKAV-220/265-A-RT | 22,2-25,4 | 50,5 | 25,4 | 12,7 | 44,5 | |
| 27081[1] | RKAV-254/371-A-RT | 25,4-31,7 | 63,5 | 25,4 | 12,7 | 50,8 | |

**ohne Bohrung und Abziehhilfe · [1]ohne Bohrung · Unit: mm · MOQ 100x*

**Standard-Material:** PA UL-94 V-2 natur -40°C bis +75°C

**Info:** Klebefolie: Acrylat, Dauergebrauchstemperatur -30°C bis +60°C

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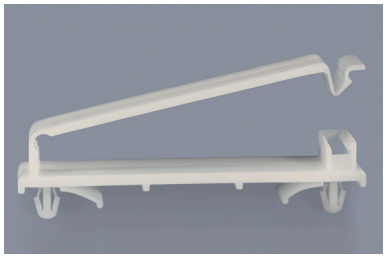
## FKSB



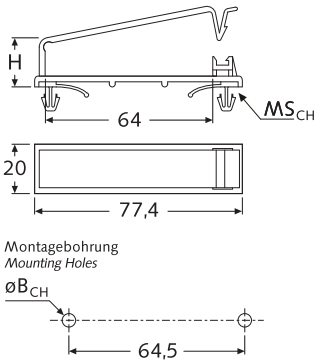
Flachband-Kabelhalter, steckbar

*Plug-in flat cable holders*

| $B_{CH}$= ø4,8 | Art.-Nr. natur | Artikel-Bez. | H | $B_{CH}$ ø | $MS_{CH}$ | Farbe |
|---|---|---|---|---|---|---|
| $MS_{CH}$= 0,8-2 | 26493 | FKSB-645/09 | 9,0 | 4,8 | 0,8-2 | ☐ |
| | 26494 | FKSB-645/16 | 15,5 | 4,8 | 0,8-2 | ☐ |

*Unit: mm · MOQ 100x*

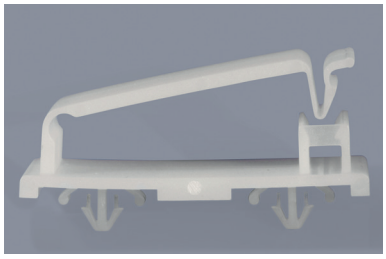
**Standard-Material:**
PA UL-94 V-2 ☐ natur
-40°C bis +75°C




Montagebohrung
*Mounting Holes*




## FKS



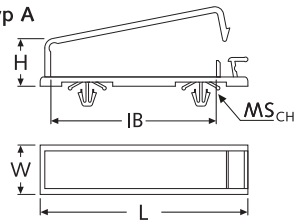
Flachband-Kabelhalter, steckbar

*Plug-in flat cable holders*

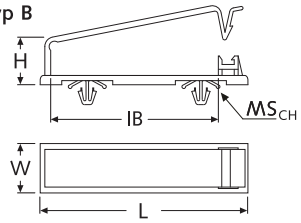
| Art.-Nr. | Artikel-Bez. | Litzen* (Anzahl) | $B_{CH}$ ø | $MS_{CH}$ | IB | L | W | H | BA | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 26495 | FKS-15/12-N | 15 | 4,0 | 0,8-1,2 | 24,2 | 36,4 | 8,0 | 12,3 | 20,0 | B | ☐ |
| 26496 | FKS-20/12-N | 20 | 4,0 | 0,8-2,2 | 32,0 | 45,5 | 19,0 | 12,0 | 25,0 | B | ☐ |
| 26497 | FKS-25/12-N | 25 | 4,0 | 0,8-2,2 | 40,0 | 53,5 | 19,0 | 11,7 | 30,0 | B | ☐ |
| 43311 | FKS-25/12-S | 25 | 4,0 | 0,8-2,2 | 40,0 | 53,5 | 19,0 | 11,7 | 30,0 | B | ■ |
| 26498 | FKS-35/19-N | 35 | 4,0 | 0,8-2,0 | 52,0 | 65,0 | 10,0 | 19,1 | 30,0 | B | ☐ |
| 14561 | FKS-40/16-N | 40 | 4,0 | 1,0-2,0 | 54,0 | 67,5 | 10,0 | 16,4 | 40,0 | A | ☐ |
| 43312 | FKS-40/16-S | 40 | 4,0 | 1,0-2,0 | 54,0 | 67,5 | 10,0 | 16,4 | 40,0 | A | ■ |
| 26499 | FKS-50/19-S | 50 | 4,8 | 0,8-3,2 | 64,2 | 77,7 | 19,7 | 18,6 | 40,0 | B | ■ |

**die Angaben der max. Litzenanzahl sind Richtwerte · Unit: mm · MOQ 100x*

Typ A

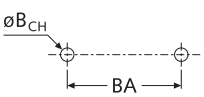



Typ B

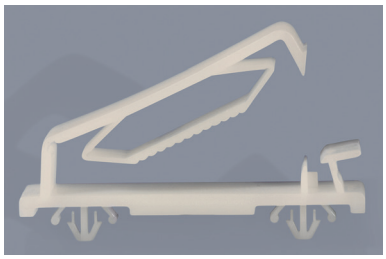



**Standard-Material:**
PA UL-94 V-2 ☐ natur / ■ schwarz
-40°C bis +75°C

Montagebohrung
*Mounting Holes*




## FKSN



Flachband-Kabelhalter, steckbar

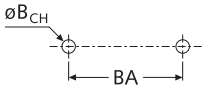
*Plug-in flat cable holders*

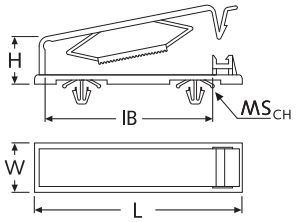
| Art.-Nr. natur | Artikel-Bez. | Litzen* (Anzahl) | $B_{CH}$ ø | $MS_{CH}$ | IB | L | W | H | BA | Farbe |
|---|---|---|---|---|---|---|---|---|---|---|
| 25590 | FKSN-10/09 | 10 | 4,0 | 1,0-2,0 | 14,5 | 32,5 | 9,1 | 13,7 | 15,0 | ☐ |
| 14562 | FKSN-20/13 | 20 | 4,0 | 1,0-2,0 | 25,0 | 39,6 | 13,2 | 13,0 | 20,0 | ☐ |
| 26492 | FKSN-30/13 | 30 | 4,0 | 0,8-2,2 | 39,6 | 55,0 | 12,5 | 12,6 | 35,0 | ☐ |
| 14563 | FKSN-40/10 | 40 | 4,0 | 0,8-2,2 | 53,8 | 65,0 | 10,2 | 11,6 | 40,0 | ☐ |
| 14564 | FKSN-50/10 | 50 | 4,0 | 0,8-2,2 | 64,3 | 77,0 | 10,0 | 12,3 | 49,7 | ☐ |

**die Angaben der max. Litzenanzahl sind Richtwerte · Unit: mm · MOQ 100x*

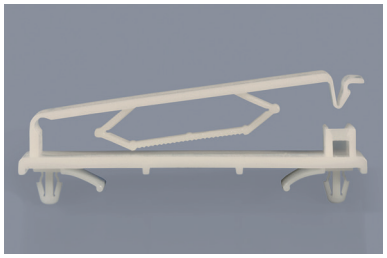
**Standard-Material:** PA UL-94 V-2 ☐ natur -40°C bis +75°C

Montagebohrung
*Mounting Holes*



## FKSNB



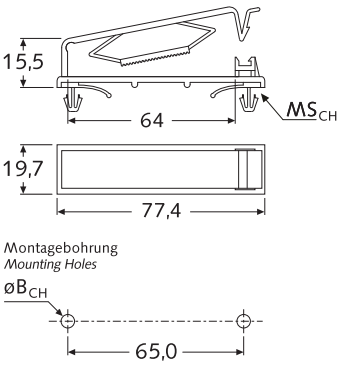
Flachband-Kabelhalter, steckbar

*Plug-in flat cable holders*

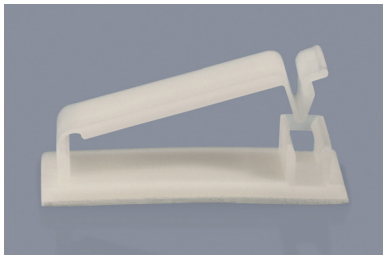
| $B_{CH}$= ø4,8 | Art.-Nr. natur | Artikel-Bez. | $B_{CH}$ ø | $MS_{CH}$ | Farbe |
|---|---|---|---|---|---|
| $MS_{CH}$= 0,8-2,2 | 26500 | FKSNB-640/16 | 4,8 | 0,8-2,2 | ☐ |

*Unit: mm · MOQ 100x*

**Standard-Material:**
PA UL-94 V-2 ☐ natur
-40°C bis +75°C




## FKA



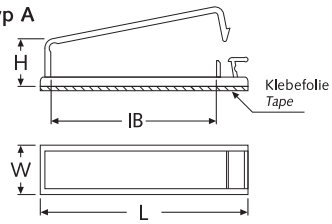
Flachband-Kabelhalter, selbstklebend

*Self-adhesive flat cable holders*

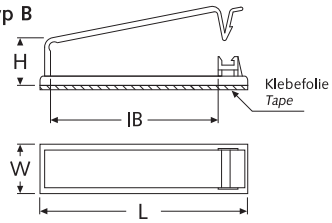
| Art.-Nr. natur | Artikel-Bez. | Litzen* (Anzahl) | IB | L | W | H | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|
| 42822 | FKA-10/04-A | 10 | 16,0 | 20,6 | 10,0 | 3,9 | B | ☐ |
| 46499 | FKA-15/07-A | 15 | 19,0 | 28,0 | 10,0 | 7,0 | A | ☐ |
| 26501 | FKA-20/09-A | 20 | 31,5 | 40,7 | 12,7 | 7,5 | A | ☐ |
| 14569 | FKA-25/11-A | 25 | 32,0 | 45,8 | 19,0 | 11,2 | A | ☐ |
| 26502 | FKA-25/18-A | 25 | 32,0 | 45,8 | 19,8 | 18,0 | A | ☐ |
| 14570 | FKA-30/11-A | 30 | 40,0 | 53,5 | 19,3 | 11,2 | A | ☐ |
| 26503 | FKA-30/15-A | 30 | 40,0 | 53,5 | 19,3 | 14,8 | A | ☐ |
| 14571 | FKA-50/13-A | 50 | 64,0 | 77,6 | 19,7 | 12,8 | A | ☐ |
| 14572 | FKA-50/19-A | 50 | 64,5 | 78,2 | 18,9 | 19,0 | A | ☐ |

**die Angaben der max. Litzenanzahl sind Richtwerte · Unit: mm · MOQ 100x*

Typ A



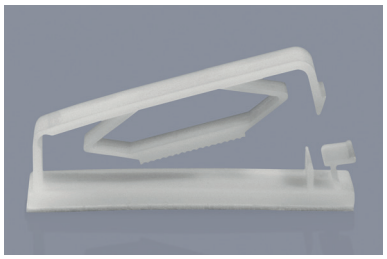

Typ B




**Standard-Material:**
PA UL-94 V-2 ☐ natur
-40°C bis +75°C

**Info:** Klebefolie: Acrylat (3M)
Dauertemperatur -30°C bis +75°C

## FKAN



Flachband-Kabelhalter, selbstklebend

*Self-adhesive flat cable holders*

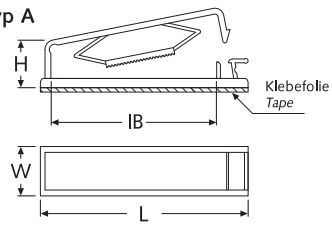
| Art.-Nr. natur | Artikel-Bez. | Litzen* (Anzahl) | IB | L | W | H | Typ | Farbe |
|---|---|---|---|---|---|---|---|---|
| 14565 | FKAN-25/16 | 25 | 32,5 | 46,8 | 18,9 | 15,2 | B | ☐ |
| 14566 | FKAN-40/16 | 40 | 54,0 | 67,0 | 16,0 | 15,6 | A | ☐ |
| 17912 | FKAN-50/12 | 50 | 64,0 | 78,0 | 19,7 | 12,4 | B | ☐ |

**die Angaben der max. Litzenanzahl sind Richtwerte · Unit: mm · MOQ 100x*

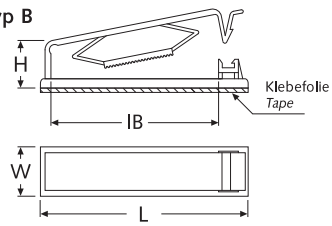
**Standard-Material:** PA UL-94 V-2 ☐ natur -40°C bis +75°C

**Info:** Klebefolie: Acrylat (3M), Dauergebrauchstemperatur -30°C bis +75°C

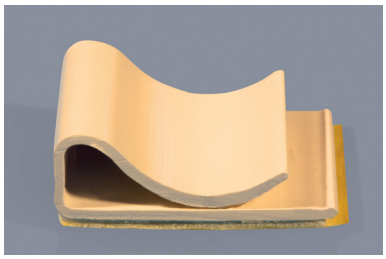
Typ A




Typ B

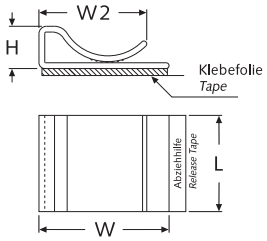


## CFCC



Flachband-Kabelhalter, selbstklebend

*Self-adhesive flat cable holders*




| Art.-Nr. | Artikel-Bez. | L | W | W2 | H | Material | Farbe |
|---|---|---|---|---|---|---|---|
| 34202 | CFCC-04-HAFC 20 grau | 20,0 | 26,0 | 20,0 | 6,5 | B | |
| 00024 | CFCC-08-05A-RT grau | 25,4 | 27,0 | 22,4 | 6,4 | A | |
| 00928* | CFCC-08-HAFC 25 grau* | 25,4 | 26,0 | 23,0 | 6,5 | B | |

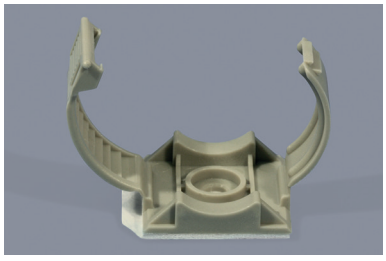
**ohne Abziehhilfe · Unit: mm · MOQ 100x*

**Standard-Material:**

| | | | | |
|---|---|---|---|---|
| **A:** | PPE/Noryl | UL-94 V-1 | weiß | -20°C bis +60°C |
| | PPE/Noryl | UL-94 V-1 | grau | -20°C bis +60°C |
| **B:** | PVC | UL-94 V-0 | grau | -20°C bis +60°C |

**Info:** Klebefolie: Dauergebrauchstemperatur -20˚C bis +60˚C

## UMS

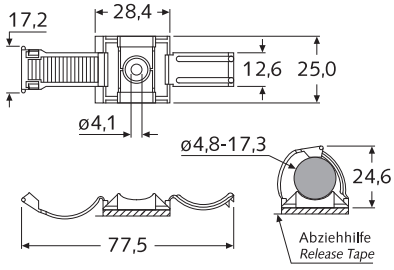


Kabelhalter, selbstklebend/schraubbar

*Self-adhesive/screw-on cable holders*

| Art.-Nr. grau | Artikel-Bez. | Farbe |
|---|---|---|
| 30645 | UMS-173-RT PA grau mit Klebefolie | |
| 29993 | UMS-173 PA grau ohne Klebefolie | |

*Unit: mm · MOQ 100x*



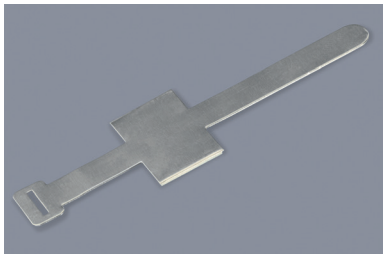

**Standard-Material:**

PA UL-94 V-2 grau

-40°C bis +75°C

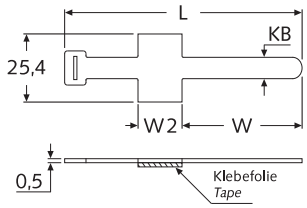
**Info:** Klebefolie: Acrylat (3M)
Dauertemperatur -30˚C bis +75˚C

## ABK



Aluminium-Kabelklammern

*Aluminium cable clamps*



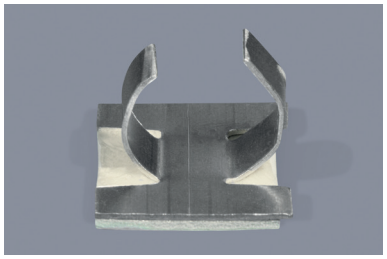

| Art.-Nr. Alu | Artikel-Bez. | Bündel-Ø max | L | W | W2 | KB |
|---|---|---|---|---|---|---|
| 03291 | ABK-05 | 13,0 | 63,5 | 35,8 | 12,0 | 6,4 |
| 03292 | ABK-06 | 19,0 | 89,0 | 44,5 | 16,3 | 8,0 |

*Unit: mm · MOQ 250x*

**Standard-Material:** Aluminium, blank

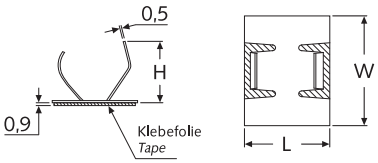
**Info:** Klebefolie: Dauertemperatur -20˚C bis +50˚C

## ASK



Aluminium-Kabelklammern

*Aluminium cable clamps*



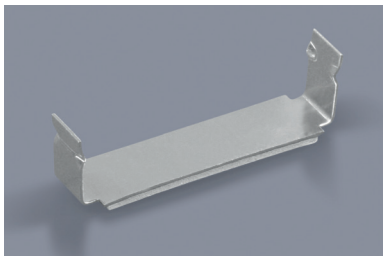

| Art.-Nr. Alu | Artikel-Bez. | Bündel-Ø max | L | W | H ca. |
|---|---|---|---|---|---|
| 01178 | ASK-03 | 6,3 | 11,1 | 15,9 | ca. 9,5 |
| 01179 | ASK-06 | 10,0 | 15,9 | 19,0 | ca. 13,9 |

*Unit: mm · MOQ 250x*

**Standard-Material:** Aluminium, blank

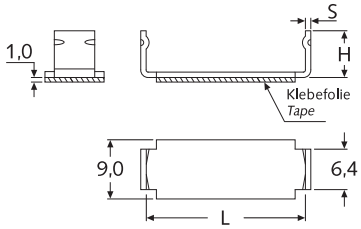
**Info:** Klebefolie: Dauertemperatur -20˚C bis +50˚C

## AFCC



Aluminium-Kabelklammern

*Aluminium cable clamps*



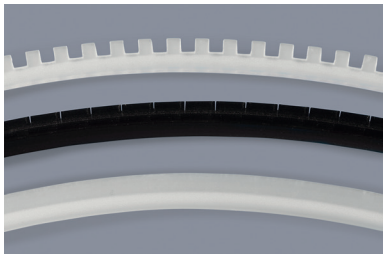

| Art.-Nr. Alu | Artikel-Bez. | Kabelbreite max | L | H ca. | S |
|---|---|---|---|---|---|
| 01648 | AFCC-08 | 12,7 | 12,7 | ca. 6,4 | 0,5 |
| 01649 | AFCC-12 | 19,1 | 19,1 | ca. 6,4 | 0,5 |
| 01650 | AFCC-16 | 25,4 | 25,4 | ca. 7,9 | 0,5 |
| 01651 | AFCC-20 | 31,8 | 31,8 | ca. 9,5 | 0,5 |
| 01652 | AFCC-21 | 33,3 | 33,3 | ca. 9,8 | 0,5 |
| 01653 | AFCC-24 | 38,1 | 38,1 | ca. 11,1 | 0,5 |
| 01654 | AFCC-27,5 | 43,6 | 43,6 | ca. 12,5 | 0,7 |
| 01656 | AFCC-32 | 50,8 | 50,8 | ca. 14,3 | 0,7 |
| 01657 | AFCC-36 | 57,2 | 57,2 | ca. 15,9 | 0,7 |

*Unit: mm · MOQ 250x*

**Standard-Material:** Aluminium, blank

**Info:** Klebefolie: Dauertemperatur -20˚C bis +50˚C

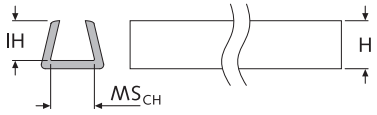
## PGS + NGS + SPGS



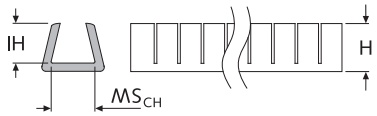
Kantenschutz

*Edge protection*

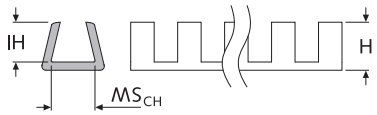
**glatt** / ***unserrated***




**geschlitzt** / ***serrated***




**gezahnt** / ***toothed***




**ohne Kleber** *no Adhesive*

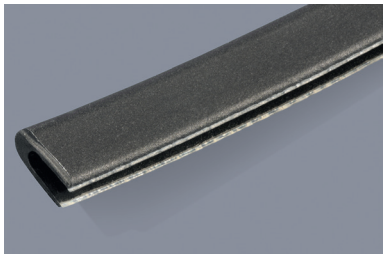
**mit Kleber** *with Adhesive*

| Art.-Nr. ohne Kleber natur | Art.-Nr. ohne Kleber schwarz | Art.-Nr. mit Kleber [1] natur | Art.-Nr. mit Kleber [1] schwarz | Artikel-Bez. | $MS_{CH}$ | IH | H | MOQ Rolle | Material | Typ |
|---|---|---|---|---|---|---|---|---|---|---|
| 00471 | - | - | - | PGS-1 | bis 0,9 | 2,6 | 3,2 | 30,4 m | A | glatt *unserrated* |
| 04578 | - | - | - | PGS-1-S | 0,8-1,0 | 2,0 | 3,2 | 35,0 m | B | |
| 04579 | - | - | - | PGS-1.5-S | 1,1-1,5 | 2,0 | 3,2 | 30,0 m | B | |
| 00473 | 00474 | 04594 | 04595 | PGS-2 | 0,9-1,8 | 3,6 | 4,4 | 30,4 m | A | |
| 04580 | - | - | - | PGS-2-S | 1,6-2,0 | 3,0 | 4,3 | 25,0 m | B | |
| 00475 | 00476 | 04596 | 04597 | PGS-2.5 | 1,8-2,7 | 3,6 | 4,4 | 30,4 m | A | |
| 04581 | - | - | - | PGS-2.5-S | 2,1-3,0 | 3,0 | 4,3 | 20,0 m | B | |
| 00477 | 00478 | 04598 | 04599 | PGS-3 | 2,7-4,2 | 3,6 | 4,8 | 30,4 m | A | |
| 04582 | - | - | - | PGS-3-S | 3,1-4,0 | 3,5 | 4,3 | 15,0 m | B | |
| 00479 | - | - | - | PGS-4 | 4,2-4,8 | 3,6 | 4,8 | 30,4 m | A | |
| 00481 | - | - | - | PGS-5 | 4,8-6,4 | 3,6 | 4,8 | 30,4 m | A | |
| 00440 | 00446 | - | - | NGS-1 | bis 0,9 | 2,6 | 3,2 | 30,4 m | C | |
| 00441 | 50630 | 04588 | 04589 | NGS-2 | 0,9-1,8 | 3,6 | 4,4 | 30,4 m | C | |
| 00442 | - | 04590 | 04591 | NGS-2.5 | 1,8-2,7 | 3,6 | 4,4 | 30,4 m | C | |
| 00443 | - | 04592 | 04593 | NGS-3 | 2,7-4,2 | 3,6 | 4,8 | 30,4 m | C | |
| 00444 | - | - | - | NGS-4 | 4,2-4,8 | 3,6 | 4,8 | 30,4 m | C | |
| 00445 | - | - | - | NGS-5 | 4,8-6,4 | 3,6 | 4,8 | 30,4 m | C | |
| 01042 | 01048 | - | - | SPGS-1 G | 0,7-0,9 | 2,4 | 3,2 | 30,4 m | A | geschlitzt *serrated* |
| 01043 | 01049 | 04606 | 04607 | SPGS-2 G | 0,9-1,8 | 3,6 | 4,4 | 30,4 m | A | |
| 01044 | 01050 | 04608 | 04609 | SPGS-2.5 G | 1,8-2,7 | 3,6 | 4,4 | 30,4 m | A | |
| 01045 | 01051 | - | - | SPGS-3 G | 2,7-4,2 | 3,6 | 4,8 | 30,4 m | A | |
| 03521 | - | - | - | SPGS-1 Z-S | 0,8-1,0 | 2,0 | 3,2 | 35,0 m | B | gezahnt *toothed* |
| 04570 | - | - | - | SPGS-1.5 Z-S | 1,1-1,5 | 2,0 | 3,2 | 30,0 m | B | |
| 03560 | - | - | - | SPGS-2 Z-S | 1,6-2,0 | 3,0 | 4,3 | 25,0 m | B | |
| 04571 | - | - | - | SPGS-2.5 Z-S | 2,1-3,0 | 3,0 | 4,3 | 20,0 m | B | |
| 04572 | - | - | - | SPGS-3 Z-S | 3,1-4,0 | 3,5 | 4,3 | 15,0 m | B | |
| 21798 | - | - | - | SPGS-3 Z-K * | 3,9-4,3 | 4,7 | 6,5 | 10,0 m | B | |

*[1]mit drucksensitivem Kleber auf der Innenseite · *technische Zeichnung ähnlich · Unit: mm*

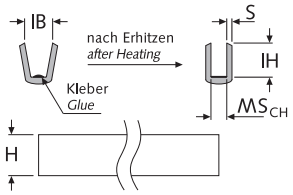
**Standard-Material:** **A:** PE ☐ natur / ■ schwarz -50°C bis +70°C
**B:** PE ☐ natur -50°C bis +85°C (a. A. ☐ PA weiß, V-2)
**C:** PA ☐ natur / ■ schwarz -40°C bis +75°C UL-94 HB

## PGSGA



Kantenschutz, wärmeschrumpfend, Innenseite mit Kleber beschichtet

*Heat-shrinking edge protection with inside adhesive coating*




| Art.-Nr. schwarz | Artikel-Bez. | $MS_{CH}$ max | IH | H | IB | S | MOQ Stange | Farbe |
|---|---|---|---|---|---|---|---|---|
| 25614 | PGSGA-06 schwarz | 0,6 | 3,5 | 4,8 | 0,8 | 0,5 | 1,2 m | ☐ |
| 25615 | PGSGA-10 schwarz | 1,0 | 4,8 | 6,1 | 1,6 | 0,9 | 1,2 m | ☐ |
| 25616 | PGSGA-20 schwarz | 2,0 | 6,6 | 8,9 | 2,5 | 0,9 | 1,2 m | ☐ |
| 25617 | PGSGA-42 schwarz | 4,2 | 13,5 | 15,7 | 4,5 | 0,9 | 1,2 m | ☐ |

*Unit: mm · MOQ=Stangen zu 1,2 m*

**Standard-Material:** Polyolefin ■ schwarz -55°C bis +80°C
(Schrumpftemperatur: +120°C)

**Info:**

- Bei Erwärmung des Kantenschutzes verändert sich das V-Profil in ein U-Profil und der wärmeschmelzende Kleber in der Innenseite verbindet sich mit dem Bauteil aus Metall, Holz oder Glas.
- eignet sich für gerade und gerundete Außenkanten