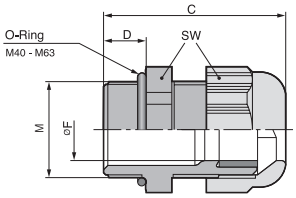
# SKINTOP® ST-M / SKINTOP® STR-M






**Info**

- Now with IP69 approval! Proven to withstand the most demanding cleaning procedures for industrial machinery with high-pressure cleaners and hot water!

## Benefits

**SKINTOP® ST-M**

- High oil-resistance for maximum reliability
- Permanent vibration protection
- Wide, variable clamping ranges
- Optimum strain relief
- Various accessories (e.g. multiple sealing inserts)

## Application range

**SKINTOP® ST-M**

- Used in areas where cables and wires need to be safely inserted into housings
- Machine and equipment manufacturing
- Photovoltaic
- Automation technology
- Offshore platforms, equipment and shipyards

**SKINTOP® STR-M**

- With reducing seal insert, to seal cables with smaller outer diameters.

## Norm references / Approvals

- UL File Nr. E79903
- GGVS: TÜ.EGG.020-95

## Product Make-up

- Metric connection thread acc. to DIN EN 60423
- Basis for technical information EN 50262

## Note

- Refer to SKINTOP® metric accessories for suitable accessories
- Counter nut to be used: SKINTOP® GMP-GL-M
- SKINTOP® ST(R) M ISO types have an extra-long connection thread
- SKINTOP® ST(R) M ISO versions with extra-long connection thread, see table, no DNV approval

## Suitable cables

- The following cables are recommended for IP 69 applications:
  ÖLFLEX® ROBUST 200
  H07RN8-F
  H07RN-F

## Suitable tools

- SKINMATIC® QUICK Set 1 refer to page 782
- SKINMATIC® RZ refer to page 783
- SKINMATIC® MH Set refer to page 782

## Technical data

**Classification**
ETIM 5.0 Class-ID: EC000441
ETIM 5.0 Class-Description:
Cable screw gland

**Caution**
**SKINTOP® ST-M**
Refer to Appendix T21 for the installation dimensions and torques
Size M 40 x 1,5 up tp M 63 x 1,5 with O-ring
**SKINTOP® STR-M**
Refer to Appendix T21 for the installation dimensions and torques

**Colour delivered**
Silver grey (RAL 7001)
Light grey (RAL 7035)
Black (RAL 9005), UV-resistant

**Material**
Body: Polyamide
Seal: CR

**Tests**
GGVS: TÜ.EGG.020-95

**Protection rating**
IP 68 - 5 bar
IP 69

**Temperature range**
Fixed: -40°C to +100°C
Dynamic: -20°C to +100°C

| Article number | Article designation / size | Clamping range ØF (mm) | SW wrench size mm | Overall length, C (mm) | Thread length, D (mm) | Pieces / PU |
|---|---|---|---|---|---|---|
| **SKINTOP® ST-M silver grey** | | | | | | |
| 53111000 | ST-M 12 x 1,5 | 3,5-7 | 15 | 30.0 | 8 | 100 |
| 53111010 | ST-M 16 x 1,5 | 4,5-10 | 19 | 34.0 | 8 | 100 |
| 53111020 | ST-M 20 x 1,5 | 7-13 | 25 | 37.0 | 9 | 100 |
| 53111030 | ST-M 25 x 1,5 | 10-17 | 30 | 40.0 | 10 | 50 |
| 53111040 | ST-M 32 x 1,5 | 11-21 | 36 | 47.0 | 10 | 25 |
| 53111050 | ST-M 40 x 1,5 | 19-28 | 46 | 52.0 | 10 | 10 |
| 53111060 | ST-M 50 x 1,5 | 27-35 | 55 | 62.0 | 12 | 5 |
| 53111070 | ST-M 63 x 1,5 | 34-45 | 66 | 71.0 | 12 | 5 |
| **SKINTOP® ST-M black** | | | | | | |
| 53111200 | ST-M 12 x 1,5 | 3,5-7 | 15 | 30.0 | 8 | 100 |
| 53111210 | ST-M 16 x 1,5 | 4,5-10 | 19 | 34.0 | 8 | 100 |
| 53111220 | ST-M 20 x 1,5 | 7-13 | 25 | 37.0 | 9 | 100 |
| 53111230 | ST-M 25 x 1,5 | 10-17 | 30 | 40.0 | 10 | 50 |
| 53111240 | ST-M 32 x 1,5 | 11-21 | 36 | 47.0 | 10 | 25 |
| 53111250 | ST-M 40 x 1,5 | 19-28 | 46 | 52.0 | 10 | 10 |
| 53111260 | ST-M 50 x 1,5 | 27-35 | 55 | 62.0 | 12 | 5 |
| 53111270 | ST-M 63 x 1,5 | 34-45 | 66 | 71.0 | 12 | 5 |
| **SKINTOP® ST-M light grey** | | | | | | |
| 53111400 | ST-M 12 x 1,5 | 3,5-7 | 15 | 30.0 | 8 | 100 |
| 53111410 | ST-M 16 x 1,5 | 4,5-10 | 19 | 34.0 | 8 | 100 |
| 53111420 | ST-M 20 x 1,5 | 7-13 | 25 | 37.0 | 9 | 100 |
| 53111430 | ST-M 25 x 1,5 | 10-17 | 30 | 40.0 | 10 | 50 |
| 53111440 | ST-M 32 x 1,5 | 11-21 | 36 | 47.0 | 10 | 25 |
| 53111450 | ST-M 40 x 1,5 | 19-28 | 46 | 52.0 | 10 | 10 |
| 53111460 | ST-M 50 x 1,5 | 27-35 | 55 | 62.0 | 12 | 5 |
| 53111470 | ST-M 63 x 1,5 | 34-45 | 66 | 71.0 | 12 | 5 |

| Article number | Article designation / size | Clamping range ØF (mm) | SW wrench size mm | Overall length, C (mm) | Thread length, D (mm) | Pieces / PU |
|---|---|---|---|---|---|---|
| **SKINTOP® ST M ISO silver-grey (with long metric connecting thread)** | | | | | | |
| 53017010 | ST M 16 x 1,5 | 3,5-8 | 19 | 40.0 | 12 | 100 |
| 53017030 | ST M 20 x 1,5 | 5-12 | 24 | 45.0 | 13 | 100 |
| 53017040 | ST M 25 x 1,5 | 9-14 | 27 | 47.0 | 13 | 50 |
| **SKINTOP® ST M ISO black (with long metric connecting thread)** | | | | | | |
| 53010000 | ST-M 12 x 1,5 | 3,5-7 | 15 | 36.7 | 15 | 100 |
| 53017210 | ST M 16 x 1,5 | 3,5-8 | 19 | 40.0 | 12 | 100 |
| 53017230 | ST M 20 x 1,5 | 5-12 | 24 | 45.0 | 13 | 100 |
| 53017240 | ST M 25 x 1,5 | 9-14 | 27 | 47.0 | 13 | 50 |
| **SKINTOP® STR-M silver grey** | | | | | | |
| 53111100 | STR-M 12 x 1,5 | 1-5 | 15 | 30.0 | 8 | 100 |
| 53111110 | STR-M 16 x 1,5 | 2-7 | 19 | 34.0 | 8 | 100 |
| 53111120 | STR-M 20 x 1,5 | 5-10 | 25 | 37.0 | 9 | 100 |
| 53111130 | STR-M 25 x 1,5 | 6-13 | 30 | 40.0 | 10 | 50 |
| 53111140 | STR-M 32 x 1,5 | 7-15 | 36 | 47.0 | 10 | 25 |
| 53111150 | STR-M 40 x 1,5 | 15-23 | 46 | 52.0 | 10 | 10 |
| 53111160 | STR-M 50 x 1,5 | 22-29 | 55 | 62.0 | 12 | 5 |
| 53111170 | STR-M 63 x 1,5 | 28-39 | 66 | 71.0 | 12 | 5 |
| **SKINTOP® STR-M black** | | | | | | |
| 53111300 | STR-M 12 x 1,5 | 1-5 | 15 | 30.0 | 8 | 100 |
| 53111310 | STR-M 16 x 1,5 | 2-7 | 19 | 34.0 | 8 | 100 |
| 53111320 | STR-M 20 x 1,5 | 5-10 | 25 | 37.0 | 9 | 100 |
| 53111330 | STR-M 25 x 1,5 | 6-13 | 30 | 40.0 | 10 | 50 |
| 53111340 | STR-M 32 x 1,5 | 7-15 | 36 | 47.0 | 10 | 25 |
| 53111350 | STR-M 40 x 1,5 | 15-23 | 46 | 52.0 | 10 | 10 |
| 53111360 | STR-M 50 x 1,5 | 22-29 | 55 | 62.0 | 12 | 5 |
| 53111370 | STR-M 63 x 1,5 | 28-39 | 66 | 71.0 | 12 | 5 |
| **SKINTOP® STR-M light grey** | | | | | | |
| 53111500 | STR-M 12 x 1,5 | 1-5 | 15 | 30.0 | 8 | 100 |
| 53111510 | STR-M 16 x 1,5 | 2-7 | 19 | 34.0 | 8 | 100 |
| 53111520 | STR-M 20 x 1,5 | 5-10 | 25 | 37.0 | 9 | 100 |
| 53111530 | STR-M 25 x 1,5 | 6-13 | 30 | 40.0 | 10 | 50 |
| 53111540 | STR-M 32 x 1,5 | 7-15 | 36 | 47.0 | 10 | 25 |
| 53111550 | STR-M 40 x 1,5 | 15-23 | 46 | 52.0 | 10 | 10 |
| 53111560 | STR-M 50 x 1,5 | 22-29 | 55 | 62.0 | 12 | 5 |
| 53111570 | STR-M 63 x 1,5 | 28-39 | 66 | 71.0 | 12 | 5 |
| **SKINTOP® STR M ISO silver-grey (with long metric connecting thread)** | | | | | | |
| 53017110 | STR M 16 x 1,5 | 2-6 | 19 | 40.0 | 12 | 100 |
| 53017130 | STR M 20 x 1,5 | 4-9 | 24 | 45.0 | 13 | 100 |
| 53017140 | STR M 25 x 1,5 | 6-12 | 27 | 47.0 | 13 | 50 |
| **SKINTOP® STR M ISO black (with long metric connecting thread)** | | | | | | |
| 53017310 | STR M 16 x 1,5 | 2-6 | 19 | 40.0 | 12 | 100 |
| 53017330 | STR M 20 x 1,5 | 4-9 | 24 | 45.0 | 13 | 100 |
| 53017340 | STR M 25 x 1,5 | 6-12 | 27 | 47.0 | 13 | 50 |

Photographs are not to scale and do not represent detailed images of the respective products.

## Accessories

**SKINTOP® ST-M**

- SKINTOP® DIX-M refer to page 740
- SKINTOP® GMP-GL-M refer to page 738
- SKINTOP® DIX-M AUTOMATION refer to page 741
- SKINTOP® SDV-M ATEX refer to page 731
- SKINTOP® SD-M refer to page 742
- SKINTOP® DV-M refer to page 742

**SKINTOP® STR-M**

- SKINTOP® DIX-M refer to page 740
- SKINTOP® GMP-GL-M refer to page 738
- SKINTOP® DIX-M AUTOMATION refer to page 741