SKINTOP® ST-M 20X1.5 RAL 7035 LGY

Article No.: 53111420

Cable gland; M 20; Clamping range (min./max.): 0.236 - 0.512 in; Spanner size 1: 0.984; light gray; Polyamide Uncoated; IP 68 - 5 g/cm² (30 min), IP 69, IP 66;

Details

Benefits

- A product with an impressively wide range of applications thanks to its versatile properties.
- Highly stable when being turned and closes quickly thanks to its multi-course, flattened trapezoidal thread.
- If vibration occurs, the permanent vibration protection prevents the domed cap nut from opening.
- The best possible sealing enables protection classes IP 68 (5 bar) and IP 69.
- Large, variable clamping range for different cable outer diameters.
- Extensive range of accessories available.

Application

- For sealing and strain relieving cable insertion into a housing.
- Suitable for use in AC and DC charging infrastructures for electromobility.
- Material that is highly resistant to oil for harsh industrial environments.
- The SKINTOP® ST(R) M ISO variants are particularly suitable for thick-walled housings thanks to their particularly long connection thread.
- Suitable for applications with UV-C radiation (according to LAPP's internal test method).
- Black variants are suitable for outdoor use.

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Notes

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

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

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Remarks

Technical Data

General information

Brand	SKINTOP®
Product type	Cable gland
Delivery with lock nut	No
Including o-ring	No
Type of packaging	Bag
Delivery Unit	100
Industry segment	Agricultural & Farm Machinery Assembly Machines Automotive Construction Machinery Energy Food & Beverage Healthcare & Pharma Heating, Ventilation, Air Conditioning & Refrigeration Intralogistics & Material handling Lifts & Elevators Machine Tools Packaging Process Industry Robotics Rolling Stock Ships & boats Solar

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Electrical parameters

Product design

For armored cables	No
Glass-fibre reinforced	No
Number of cable entries	1 pc.
With bending protection	No
Cable gland design	Straight
Total length	1.457 in
Clear width	0.512 in
Thread type	Metric
Thread size	M 20
Pitch of thread	1,5
Thread length	0.354 in
Thread standard	DIN EN 60423
Spanner size 1	0.984 in
Wrench size 2	0.984 in
Hexagon corner dimensions	1.087 in
Clamping range min.	0.236 in
Clamping range max.	0.512 in
EMC shielding	No
Seal type	Conduit Sealing Ring
Material sealing	Chloroprene rubber
Body material	Polyamide
Body material, short form	PA
Surface protection	Uncoated
Colour description	light gray
RAL color	RAL 7035

Product features

IP protection rating	IP 68 - 5 g/cm² (30 min) IP 69 IP 66

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NEMA classification type	Type 1 Type 12
Suitable for EX-applications	No
Temperature dynamic min.	-20 °C
Max. dynamic temperature	100 °C
Temperature static min.	-40 °C
Max. static temperature	100 °C
Temperature (min.)	-40 °C
Max. temperatur	100 °C
Flame-retardant	Yes
Flame retardance according to	UL 94 V-2
UV-resistant	No
UV-C resistant	Yes
Chemical resistant	Yes
Acid-resistant	No
Halogenfree	No
Oil resistant	Yes
Impact proof	Yes
Vibration protection	Yes
Strain relief	Yes

Certifications and standards

CE marking	Yes
UL recognized	No
UL listed	Yes
UL certification	according to UL 514B (CCN: QBPZ / e-file number: E79903)
cUR recognized	No
cUL listed	Yes
cUL certification	according to CSA C22.2 No. 18.3 (CCN: QBPZ7 / e-file number: E79903)
CSA certified	No
VDE certified	Yes
VDE registration number	40010604

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For Ex zone gas	without
For Ex-zone dust	without
GGVS certified	Yes
DNV-certified	Yes
DNV certificate number	TAE00002NB
Tested for fire protection for railway vehicles	No
Ecolab certified	No
NSF certified	No
FDA certified	No
EHEDG certified	No

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SKINTOP® ST-M / SKINTOP® STR-M

Article No.	Name	Thread size	Thread length	Clamping range min.	Clamping range max.	Spanner size 1	Colour description	Delivery Unit
53111000	SKINTOP® ST-M 12X1.5 RAL 7001 SGY	M 12	0.315 in	0.138 in	0.276 in	0.591 in	silver gray	100
53111010	SKINTOP® ST-M 16X1.5 RAL 7001 SGY	M 16	0.315 in	0.157 in	0.394 in	0.748 in	silver gray	100
53111020	SKINTOP® ST-M 20X1.5 RAL 7001 SGY	M 20	0.354 in	0.236 in	0.512 in	0.984 in	silver gray	100
53111030	SKINTOP® ST-M 25X1.5 RAL 7001 SGY	M 25	0.394 in	0.315 in	0.669 in	1.181 in	silver gray	50
53111040	SKINTOP® ST-M 32X1.5 RAL 7001 SGY	M 32	0.394 in	0.354 in	0.827 in	1.417 in	silver gray	25
53111050	SKINTOP® ST-M 40X1.5 RAL 7001 SGY	M 40	0.394 in	0.63 in	1.102 in	1.811 in	silver gray	10
53111060	SKINTOP® ST-M 50X1.5 RAL 7001 SGY	M 50	0.472 in	1.063 in	1.339 in	2.165 in	silver gray	5
53111070	SKINTOP® ST-M 63X1.5 RAL 7001 SGY	M 63	0.472 in	1.339 in	1.772 in	2.598 in	silver gray	5
53111100	SKINTOP® STR-M 12X1.5 RAL 7001 SGY	M 12	0.315 in	0.079 in	0.197 in	0.591 in	silver gray	100
53111110	SKINTOP® STR-M 16X1.5 RAL 7001 SGY	M 16	0.315 in	0.138 in	0.276 in	0.748 in	silver gray	100
53111120	SKINTOP® STR-M 20X1.5 RAL 7001 SGY	M 20	0.354 in	0.157 in	0.394 in	0.984 in	silver gray	100
53111130	SKINTOP® STR-M 25X1.5 RAL 7001 SGY	M 25	0.394 in	0.197 in	0.512 in	1.181 in	silver gray	50
53111140	SKINTOP® STR-M 32X1.5 RAL 7001 SGY	M 32	0.394 in	0.236 in	0.591 in	1.417 in	silver gray	25
53111150	SKINTOP® STR-M 40X1.5 RAL 7001 SGY	M 40	0.394 in	0.354 in	0.906 in	1.811 in	silver gray	10
53111160	SKINTOP® STR-M 50X1.5 RAL 7001 SGY	M 50	0.472 in	0.945 in	1.142 in	2.165 in	silver gray	5
53111170	SKINTOP® STR-M 63X1.5 RAL 7001 SGY	M 63	0.472 in	1.102 in	1.535 in	2.598 in	silver gray	5
53111200	SKINTOP® ST-M 12X1.5 RAL 9005 BK	M 12	0.315 in	0.138 in	0.276 in	0.591 in	black	100
53111210	SKINTOP® ST-M 16X1.5 RAL 9005 BK	M 16	0.315 in	0.157 in	0.394 in	0.748 in	black	100
53111220	SKINTOP® ST-M 20X1.5 RAL 9005 BK	M 20	0.354 in	0.236 in	0.512 in	0.984 in	black	100
53111230	SKINTOP® ST-M 25X1.5 RAL 9005 BK	M 25	0.394 in	0.315 in	0.669 in	1.181 in	black	50
53111240	SKINTOP® ST-M 32X1.5 RAL 9005 BK	M 32	0.394 in	0.354 in	0.827 in	1.417 in	black	25
53111250	SKINTOP® ST-M 40X1.5 RAL 9005 BK	M 40	0.394 in	0.63 in	1.102 in	1.811 in	black	10
53111260	SKINTOP® ST-M 50X1.5 RAL 9005 BK	M 50	0.472 in	1.063 in	1.339 in	2.165 in	black	5
53111270	SKINTOP® ST-M 63X1.5 RAL 9005 BK	M 63	0.472 in	1.339 in	1.772 in	2.598 in	black	5
53111300	SKINTOP® STR-M 12X1.5 RAL 9005 BK	M 12	0.315 in	0.079 in	0.197 in	0.591 in	black	100
53111310	SKINTOP® STR-M 16X1.5 RAL 9005 BK	M 16	0.315 in	0.138 in	0.276 in	0.748 in	black	100
53111320	SKINTOP® STR-M 20X1.5 RAL 9005 BK	M 20	0.354 in	0.157 in	0.394 in	0.984 in	black	100
53111330	SKINTOP® STR-M 25X1.5 RAL 9005 BK	M 25	0.394 in	0.197 in	0.512 in	1.181 in	black	50
53111340	SKINTOP® STR-M 32X1.5 RAL 9005 BK	M 32	0.394 in	0.236 in	0.591 in	1.417 in	black	25
53111350	SKINTOP® STR-M 40X1.5 RAL 9005 BK	M 40	0.394 in	0.354 in	0.906 in	1.811 in	black	10

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Article No.	Name	Thread size	Thread length	Clamping range min.	Clamping range max.	Spanner size 1	Colour description	Delivery Unit
53111360	SKINTOP® STR-M 50X1.5 RAL 9005 BK	M 50	0.472 in	0.945 in	1.142 in	2.165 in	black	5
53111370	SKINTOP® STR-M 63X1.5 RAL 9005 BK	M 63	0.472 in	1.102 in	1.535 in	2.598 in	black	5
53111400	SKINTOP® ST-M 12X1.5 RAL 7035 LGY	M 12	0.315 in	0.138 in	0.276 in	0.591 in	light gray	100
53111410	SKINTOP® ST-M 16X1.5 RAL 7035 LGY	M 16	0.315 in	0.157 in	0.394 in	0.748 in	light gray	100
53111420	SKINTOP® ST-M 20X1.5 RAL 7035 LGY	M 20	0.354 in	0.236 in	0.512 in	0.984 in	light gray	100
53111430	SKINTOP® ST-M 25X1.5 RAL 7035 LGY	M 25	0.394 in	0.315 in	0.669 in	1.181 in	light gray	50
53111440	SKINTOP® ST-M 32X1.5 RAL 7035 LGY	M 32	0.394 in	0.354 in	0.827 in	1.417 in	light gray	25
53111450	SKINTOP® ST-M 40X1.5 RAL 7035 LGY	M 40	0.394 in	0.63 in	1.102 in	1.811 in	light gray	10
53111460	SKINTOP® ST-M 50X1.5 RAL 7035 LGY	M 50	0.472 in	1.063 in	1.339 in	2.165 in	light gray	5
53111470	SKINTOP® ST-M 63X1.5 RAL 7035 LGY	M 63	0.472 in	1.339 in	1.772 in	2.598 in	light gray	5
53111500	SKINTOP® STR-M 12X1.5 RAL 7035 LGY	M 12	0.315 in	0.079 in	0.197 in	0.591 in	light gray	100
53111510	SKINTOP® STR-M 16X1.5 RAL 7035 LGY	M 16	0.315 in	0.138 in	0.276 in	0.748 in	light gray	100
53111520	SKINTOP® STR-M 20X1.5 RAL 7035 LGY	M 20	0.354 in	0.157 in	0.394 in	0.984 in	light gray	100
53111530	SKINTOP® STR-M 25X1.5 RAL 7035 LGY	M 25	0.394 in	0.197 in	0.512 in	1.181 in	light gray	50
53111540	SKINTOP® STR-M 32X1.5 RAL 7035 LGY	M 32	0.394 in	0.236 in	0.591 in	1.417 in	light gray	25
53111550	SKINTOP® STR-M 40X1.5 RAL 7035 LGY	M 40	0.394 in	0.354 in	0.906 in	1.811 in	light gray	10
53111560	SKINTOP® STR-M 50X1.5 RAL 7035 LGY	M 50	0.472 in	0.945 in	1.142 in	2.165 in	light gray	5
53111570	SKINTOP® STR-M 63X1.5 RAL 7035 LGY	M 63	0.472 in	1.102 in	1.535 in	2.598 in	light gray	5

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