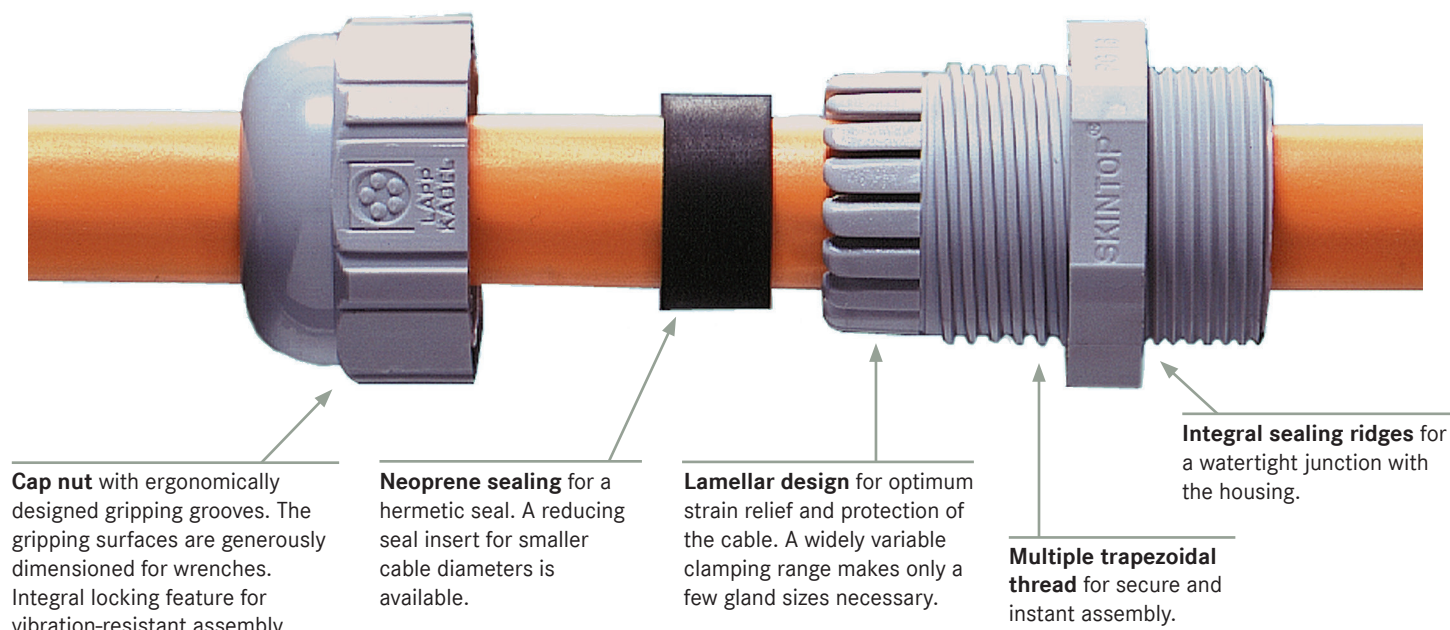


SKINTOP® Overview



Shown here are the carefully matched components of the SKINTOP® screw-type cable glands. These parts guarantee maximum reliability.

With SKINTOP® you can install the cable in an instant: just feed the cable in and turn the nut until tight. Your cable is centered, hermetically sealed, and completely strain relieved with a turn of the hand. If you do not wish to use your hands, you can work with a spanner wrench or SKINMATIC® RZ tool. Either way, with SKINTOP® you can achieve maximum reliability. SKINTOP® quality is continuously monitored to ensure a level of reliability that has resulted in many international approvals.

Resistance Properties

Rated Temperature:

- SKINTOP® NPT & PG:	-20°C to +80°C
- SKINTOP® Metric:	
- static:	-40°C to +100°C
- dynamic:	-20°C to +100°C

Chemical Resistance:*

	+ Alcohols
	+ Aromatic hydrocarbons
	+ Ethers
	+ Benzene
+: resistant	o Chlorinated hydrocarbons
o: limited resistance	+ Esters
-: not resistant	+ Grease, animal/vegetable
	+ Fluorinated hydrocarbons
	+ Ketones
	+ Motor fuels
	+ Weak alkali solutions
	- Strong alkali solutions
	+ Petroleum oils
	+ Weak acids
	- Strong acids
	+ Trichloroethylene

Testing:

- Test temperature:	SKINTOP® Incandescent wire test to IEC 695, Part 2-1: 750°C
- Strain relief:	to DIN VDE 0619
- Protection class:	IP68*

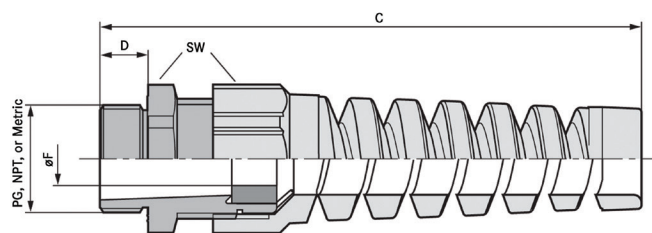
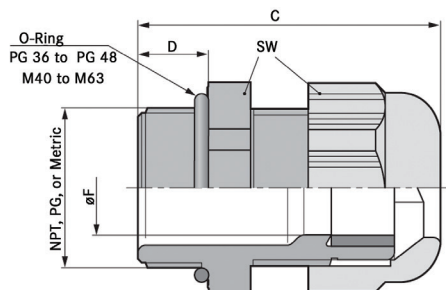
Tested to DIN 40050 & 40052

Approvals:

UL #E146370
CSA #LR50370-10
VDE #57986 (metric threads)
SEV #100989

* Additional and more detailed information on chemical resistance of plastics can be found in the Technical section on page 713.

SKINTOP® Overview

Patented Security:

Patent # P-2631996

International Approvals:





UL # E146370

CSA # LR50370-10

Metric: VDE # 57986

SEV # 100989

■ Technical Data

 Material:	Polyamide: flame retardant, self-extinguishing nylon with CR bushing
 Temperature Range:	
- NPT & PG:	-20°C to +80°C up to +100°C (short term)
- Metric:	-20°C to +100°C
 IP Protection:	
- Seal*:	up to 70 PSI IP68 (Ingress Protection), comparable to NEMA 6 classification Dust protection
- First digit (0 – 6):	Dust protection
- Second digit (0 – 9K):	Water protection
 Resistance:	Salt water, weak acids, weak alkalis, alcohol, ester, ketones, ether, benzene, gas, mineral oil, animal and vegetable oils, gasoline, oil, grease, and common solvents.

SKINTOP® meets the most stringent demands of safety and operational reliability. SKINTOP® products can be used in panels, switches, control boxes, submersible pumps, appliances, and many other machine tool applications.

SKINTOP® glands provide both strain relief and a liquid-tight seal – all in one connector.

■ Optimum Seal

Complete liquid-tightness is achieved with a uniquely designed molded sealing ring and flange nut combined with a neoprene bushing and domed sealing cap.

* All IP ratings are dependent on proper installation by the user.

■ Unique Design

SKINTOP® outperforms traditional connectors because the design consists of three parts, which do not require dismantling before use.

The internal ratchet mechanism allows the cap to be tightened without twisting the cord as it compresses. In tightening the cap, the lamellar fingers are pushed together to form a liquid-tight seal with the neoprene compression bushing.

■ Vibration-Proof Protection

An integrated locking mechanism includes an internal ratchet inside the sealing portion of the cord grip. This provides a self-locking and vibration-proof element that prevents the cap from loosening even when subjected to severe vibration.

■ Quick Installation

The multi-trapezoidal thread requires just one twist to tighten the dome cap, automatically adjusting to the size of the cable and providing optimum strain relief and a liquid-tight seal.

■ Durability

SKINTOP® incorporates a heavy duty design that provides greater pullout strength and very reliable strain relief.

■ Easier Handling

Larger ergonomic design and ridges in the dome cap provide easy gripping and mounting by hand or wrench.

■ Larger Variable Clamping Range

The uniquely designed lamellar fingers, combined with the optional reducer bushing, accommodates a broad range of cord and cable diameters. This results in a lower number of connectors required in inventory.

■ Resistant to Impact at Low Temperatures

SKINTOP® cable glands can withstand impact at low temperatures of -20°C.