



PNV 32, PNV 48/NV 32-52, NV 56-64 bushings

 Certificate: ATEX

PNV bushings



NV bushings



Use:

Explosion-proof cable bushings are used to grip and seal the cable with a plastic insert in the casing of an explosion-proof enclosure while maintaining all safeguards against explosion.

They are designed so that complete Exd I or Exd II enclosure is maintained during connection with the terminal box. They can be either part of the box or mounted to it.

Description:

The explosion-proof cable bushings are made out of steel. The surface is treated with chromate and komaxit powder lacquer.

The bushings are mounted. Type PNV-32 is designed for cables with a diameter of 10 mm to 18 mm. Type PNV-48 is designed for cables with a diameter of 12mm to 28mm. Strain relief bushings have been designed for larger diameters. Type NV 32-52 is meant for cables with a diameter of 28mm to 54mm. Type NV 56-64 is for a diameter of 53mm to 64mm. The cables are sealed with rubber o-rings, the inner diameter of which must correspond to the diameter of the cable.

Table of rubber O-rings

For PNV-32 bushing

φD (mm) rubber O-ring	φ cable (mm)
10	8 - 10
12	10 - 12
14	12 - 14
16	14 - 16
18	16 - 18

For PNV-48 bushing

10	12 - 14
15	12 - 14
17	15 - 17
21	18 - 20
25	18 - 20
27	18 - 20
30	18 - 20

For NV 32 - 52 bushing

φD (mm) rubber O-ring	φ cable (mm)
30	28 - 30
33	31 - 33
36	34 - 36
39	37 - 39
41	40 - 41
45	43 - 45
48	46 - 48
51	49 - 51
54	52 - 54
60	58 - 60

For NV 56 - 64 bushing

55	53 - 55
58	56 - 58
61	59 - 61
64	62 - 64
69	67 - 69

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.



NVGY 40 – explosion-proof armored-cable bushing

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Technical parameters:

Make	I M2 Ex dI
Surrounding temperature	-20°C to +80°C
Dimensions of bushing body	140 x 104 mm
Dimensions of body grip	122 x 73 mm ± 0.2 mm
Total length of bushing	160 mm
Weight	6 kg

Use:

The explosion-proof armored-cable bushing is used for gripping and sealing armored plastic cables to the terminal box of electrical equipment in an explosion-proof setting. The bushing is made out of steel and meant for mounting.

Bushing NVGY 16 – 48 is designed for cables with PVC insulation, PVC plastic and armored steel wiring or belts.

Description:

The body of the explosion-proof armored-cable bushing is welded from a rectangular collar and circular parts. A steel ring 2, tapered the same as the rubber O-ring, is inserted into the body. Another steel ring 1, also tapered, is inserted on the other side of the rubber O-ring.

The entire bushing is surface treated with zinc chromate and, with the exception of the enclosure surface, with komaxit. The maximum diameter of the opening for the cable is 70mm.

Dimensions of cable and O-rings

Bushing type	Rubber O-ring ϕ D	For o of PVC housing	Outer o of the housing
NVGY 40	40	36 - 40	50

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