

KoldLok® 4" & 6" Round Raised Floor Grommets



Application

Designed to seal openings in new and existing raised floor cutouts to block bypass airflow and maximise cooling system efficiency.

Both the 4" and 6" KoldLok® Round Grommet feature Hybrid Brush Technology (HBT), making them the premium choice for your facility. Their revolutionary sealing technology greatly reduces costly bypass airflow, increasing usable cooling unit capacity, and ensuring maximised efficiency from HVAC equipment.

Hybrid Brush Technology (HBT)

HBT is uniquely constructed to offer:

- Flexible and highly efficient sealing membrane.
- Membrane supports bristles and limits leakage.
- Multi-layered construction for increased sealing effectiveness.
- Better overall sealing than traditional brush designs.

Features

- The 6" KoldLok® Round Grommet allows large cable bundles or PDU plugs to be pulled through the usable area.
- The Split feature of the KoldLok® Round 4" and 6" allows product installation or removal without disturbing cables.
- The Grommets contain no loose or partially fastened parts, which can become separated or fall through the raised floor.
- The Grommets are impact resistant and durable.
- The Grommets feature an extra sealing HBT Membrane Layer.
- The Grommets satisfy NFPA 75 Section 5-4.4 requirement by self-dressing the raw metal edges of raised floor tile cable cutouts.
- KoldLok® products are compliant with directive 2002/95/EC of the European Parliament and the Council on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electric Equipment (RoHS).
- The Grommet features a membrane support structure.
- The Grommet has a tapered joining structure.

Benefits

- Supports increasing cabinet density.
- Increases existing cooling unit capacity.
- Reduces the need to purchase additional cooling units.
- Improves IT equipment reliability and extends equipment life.
- Increases static pressure under the raised floor.
- Improves volume of conditioned air delivery through perforated tiles and floor grates.
- Compliance with best practices for all raised floor cooling configurations (Hot and Cold Aisle, Hot Aisle Containment, Cold Aisle Containment).
- Simple, installation saves time and labour and requires no downtime.
- Round grommets enable hole saw installation which reduces cutting time by over 50%.
- Durable ABS frame and Hybrid Brush sealing surface can be used for years.
- Hybrid Brush Technology (HBT)

Specifications

Dimensions & Tile Cutting Requirements	Millimeters (W x D)	Inches (W x D)
4" Round (46-40001) Overall size (Diameter x Height)	143 x 48mm	5.61" x 1.9"
Product height above floor	10mm	0.4"
Maximum cutout size sealed	105mm	4.125"
Usable cable area	6,194 sq. mm	9.6 sq. inch
Hole cut diameter	102mm	4"
6" Round (46-40003) Overall size (Diameter x Height)	192 x 48mm	7.56" x 1.9"
Product height above floor	10mm	0.4"
Maximum cutout size sealed	156mm	6.125"
Usable cable area	14,548 sq. mm	22.55 sq. inch
Hole cut diameter	152mm	6"

Patented Sealing System

U.S. Patent No. RE41863. Hybrid Brush Technology (HBT) design using thermoplastic elastomer creates a more effective seal than any other grommet. Tear lines minimise leakage in unused areas of the grommet when only a small number of penetrants are being used.

Sealing Effectiveness

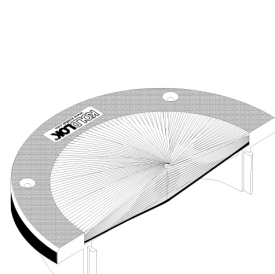
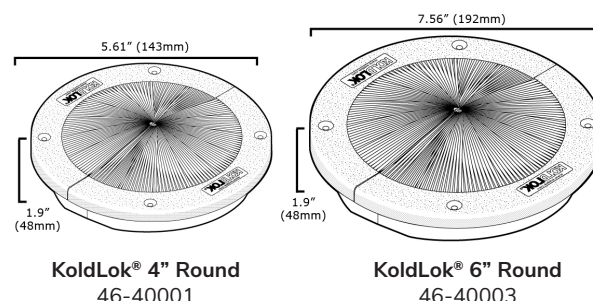
- New, Hybrid Brush Technology (HBT) offers exceptional sealing and airflow management, unsurpassed by other leading brush products on the market today.
- Hybrid Brush Sealing Technology automatically seals around cables with no additional maintenance or monitoring required.
- Patented design is a more effective method of sealing airflow than using brushes or filament materials alone. The best sealing round grommet available.

Floor Mounting System

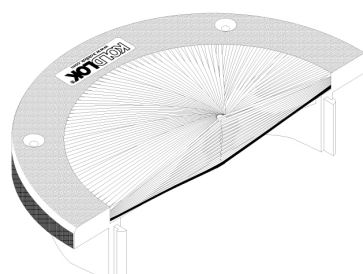
Four (4) self-drilling screws are provided for installation.

Grommet Frame

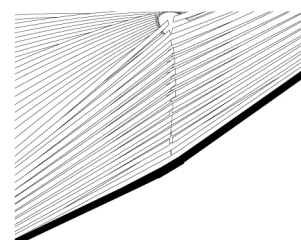
The frame is molded from durable ABS. Finish: Black.



KoldLok® 4" Round
(Cross Section)
46-40001



KoldLok® 6" Round
(Cross Section)
46-40003



(Hybrid Detail)