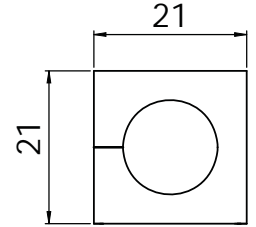


# KT

## Grommets, small, single



1

Description	Type	Order No gray	Order No black	Clamping range	PU
-------------	------	------------------	-------------------	----------------	----

### Product Description

Cable grommets KT small are used with the following cable entry frames:

KEL-U/KEL-ER/KEL (8 - 34) | KVT (38 - 42)

The model range KT small is designed for cable diameters from 2 to 17 mm.

### Assembly Note


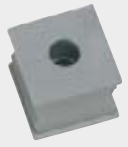

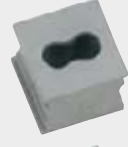



When installing the grommets, the flat side should be facing the middle of the frame. This allows the flat sides of adjacent grommets to match up and provide a secure seal.

### Specifications KT gray

Material	Elastomer
Flame class	UL94-Vo
IP rating	KT round, single: up to IP65 (in combination with KEL-ER frame) KT special/blank: IP54
NEMA type rating	up to NEMA type 4X (acc. to UL 50E)
Temperature	- 30°C to + 90°C (static) - 40°F to + 194°F (static)
Properties	Halogen-free, silicone-free

### Specifications KT black

Material	Elastomer
Flame class	UL94-HB
IP rating	KT round, single: up to IP65 (in combination with KEL-ER frame) KT special/blank: IP54
NEMA type rating	up to NEMA type 4X (acc. to UL 50E)
Temperature	- 30°C to + 90°C (static) - 40°F to + 194°F (static)
Properties	Higher chemical resistance

BTK		BTK	<input type="checkbox"/> 41251	<input checked="" type="checkbox"/> 41351	Blank grommet	10
KT round		KT 2	<input type="checkbox"/> 39934	<input checked="" type="checkbox"/> 41302	2 - 3 mm	10
		KT 3	<input type="checkbox"/> 41203	<input checked="" type="checkbox"/> 41303	3 - 4 mm	10
		KT 4	<input type="checkbox"/> 41204	<input checked="" type="checkbox"/> 41304	4 - 5 mm	10
		KT 5	<input type="checkbox"/> 41205	<input checked="" type="checkbox"/> 41305	5 - 6 mm	10
		KT 6	<input type="checkbox"/> 41206	<input checked="" type="checkbox"/> 41306	6 - 7 mm	10
		KT 7	<input type="checkbox"/> 41207	<input checked="" type="checkbox"/> 41307	7 - 8 mm	10
		KT 8	<input type="checkbox"/> 41208	<input checked="" type="checkbox"/> 41308	8 - 9 mm	10
		KT 9	<input type="checkbox"/> 41209	<input checked="" type="checkbox"/> 41309	9 - 10 mm	10
		KT 10	<input type="checkbox"/> 41210	<input checked="" type="checkbox"/> 41310	10 - 11 mm	10
		KT 11	<input type="checkbox"/> 41211	<input checked="" type="checkbox"/> 41311	11 - 12 mm	10
		KT 12	<input type="checkbox"/> 41212	<input checked="" type="checkbox"/> 41312	12 - 13 mm	10
		KT 13	<input type="checkbox"/> 41213	<input checked="" type="checkbox"/> 41313	13 - 14 mm	10
		KT 14	<input type="checkbox"/> 41214	<input checked="" type="checkbox"/> 41314	14 - 15 mm	10
		KT 15	<input type="checkbox"/> 41215	<input checked="" type="checkbox"/> 41315	15 - 16 mm	10
		KTs 16	<input type="checkbox"/> 39901	<input checked="" type="checkbox"/> 39912	16 mm	10
		KTs 17	<input type="checkbox"/> 39900	<input checked="" type="checkbox"/> 39913	17 mm	10
		KT oval		KT oval	<input type="checkbox"/> 39930	-
KT S1		KT S1	<input type="checkbox"/> 39931	-		10
KT tele		KT tele	<input type="checkbox"/> 39929	-	Telephone cable	10
KT tele1		KT tele1	<input type="checkbox"/> 41257	-	Data cable RJ12	10
KT tele2		KT tele2	<input type="checkbox"/> 41258	-	Data cable RJ10 / RJ45	10

\*Only valid for gray product types

### Accessories

ST Plugs 49


# KT


## Grommets, small, multi



Type	Order No gray	Order No black	Clamping range	PU	Description
------	------------------	-------------------	----------------	----	-------------

KT 2 2	39935	39936	2x Ø 2 mm	10	
KT 2 3	39939	39940	2x Ø 3 mm	10	
KT 2 4	39906	39907	2x Ø 4 mm	10	
KT 2 5	41200	39904	2x Ø 5 mm	10	
KT 2 6	41201	39905	2x Ø 6 mm	10	
KT 2 7	41202	39916	2x Ø 7 mm	10	
KT 2 8	39917	39918	2x Ø 8 mm	10	

KT 4 2	39937	39938	4x Ø 2 mm	10	
KT 4 3	39914	39915	4x Ø 3 mm	10	
KT 4 4	39909	39911	4x Ø 4 mm	10	
KT 4 5	39908	39910	4x Ø 5 mm	10	
KT 4 6	39932	39933	4x Ø 6 mm	10	

KT-ASI	39902	39903	1 ASI-cable	10	
KT-ASI2 l	39922	39924	2 ASI-cables	10	
KT-ASI2 ll	39921	39923	2 ASI-cables	10	

KT ASI2|l

KT ASI2|ll

### Product description

Cable grommets KT small are used with the following cable entry frames:

KEL-U/KEL-ER/KEL (8 - 34) | KVT (38 - 42)

The model range KT small is designed for cable diameters from 2 to 17 mm.

### Assembly Note

When installing the grommets, the flat side should be facing the middle of the frame. This allows the flat sides of adjacent grommets to match up and provide a secure seal.

### Specifications KT gray

Material	Elastomer
Flame class	UL94-Vo
IP rating	KT round, multi: IP54 KT special, multi: IP54
NEMA type rating	NEMA type 12 (acc. to UL 50E)
Temperature	- 40°C to + 90°C (static) - 40°F to + 194°F (static)
Properties	Halogen-free, silicone-free

### Specifications KT black

Material	Elastomer
Flame class	UL94-HB
IP rating	KT round, multi: IP54 KT special, multi: IP54
NEMA type rating	NEMA type 12 (acc. to UL 50E)
Temperature	- 30°C to + 90°C (static) - 40°F to + 194°F (static)
Properties	Higher chemical resistance

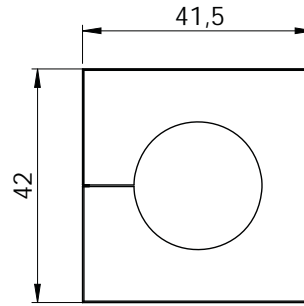
\*Only valid for gray product types

# KT

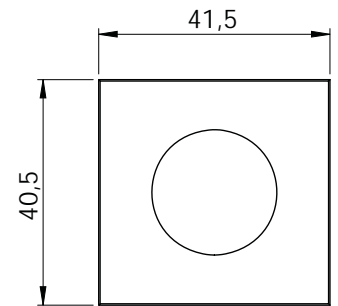
## Grommets, large



IP54 IP65



KT / KT-DPF large



KTMB large

1

Description	Type	Order No.	Order No.	Clamping range	PU
		gray	black		

### Product description

Cable grommets KT large accept a wide range of cable diameters from 16 to 35 mm. They are used with the following cable entry frames:

KEL-U/KEL-ER/KEL (8 - 34) | KVT (38 - 42)

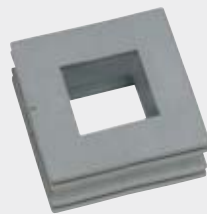





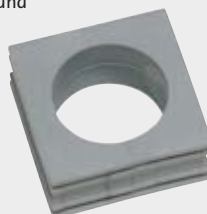






































ATG adapter grommets provide the possibility to hold a small KT grommet to reduce the clamping range down to 2 mm.

### Specifications KT gray

Material: Elastomer  
 Flame class: UL94-Vo  
 IP rating: KT round, single: up to IP65 (in combination with KEL-ER frame) ATG/BTG: IP54  
 NEMA type rating: up to NEMA type 4X (acc. to UL 50E)  
 Temperature: -40°C to +90°C (static) / -40°F to +194°F (static)  
 Properties: Halogen-free, silicone-free

### Specifications KT black

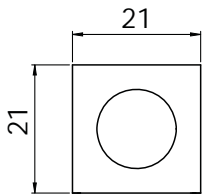
Material: Elastomer  
 Flame class: UL94-HB  
 IP rating: KT round, single: up to IP65 (in combination with KEL-ER frame) ATG/BTG: IP54  
 NEMA type rating: up to NEMA type 4X (acc. to UL 50E)  
 Temperature: -30°C to +90°C (static) / -40°F to +194°F (static)  
 Properties: Higher chemical resistance

ATG		ATG	 41253	 41353	Adapter grommet	10
BTG		BTG	 41252	 41352	Blank grommet or 5 - 20 mm	10
KT round		KT 16	 41216	 41316	16 - 17 mm	10
		KT 17	 41217	 41317	17 - 18 mm	10
		KT 18	 41218	 41318	18 - 19 mm	10
		KT 19	 41219	 41319	19 - 20 mm	10
		KT 20	 41220	 41320	20 - 21 mm	10
		KT 21	 41221	 41321	21 - 22 mm	10
		KT 22	 41222	 41322	22 - 23 mm	10
		KT 23	 41223	 41323	23 - 24 mm	10
		KT 24	 41224	 41324	24 - 25 mm	10
		KT 25	 41225	 41325	25 - 26 mm	10
		KT 26	 41226	 41326	26 - 27 mm	10
		KT 27	 41227	 41327	27 - 28 mm	10
		KT 28	 41228	 41328	28 - 29 mm	10
		KT 29	 41229	 41329	29 - 30 mm	10
		KT 30	 41230	 41330	30 - 31 mm	10
		KT 31	 41231	 41331	31 - 32 mm	10
		KT 32	 41232	 41332	32 - 33 mm	10
		KT 33	 41233	 41333	33 - 34 mm	10
		KT 34	 41234	 41334	34 - 35 mm	10

\*Only valid for gray product types

# KT-DPF | KTMB

## Grommets, Multi-Range



KT-DPF / KTMB small



KT-DPF-B



Type	Order No.	Size KT	Clamping range	PU	Description
------	-----------	------------	----------------	----	-------------

KT-DPF-A	<input type="checkbox"/> 41260 <input type="checkbox"/> 41360	KT small	3 - 12 mm	10	 <p>KT-DPF-A</p>
KT-DPF-B	<input type="checkbox"/> 41261 <input type="checkbox"/> 41361	KT large	4 - 18 mm	10	 <p>KT-DPF-C</p>
KT-DPF-C	<input type="checkbox"/> 41262 <input type="checkbox"/> 41362	KT large	14 - 26 mm	10	
KTMB-A	41432	KT small	2.5 - 6.5 mm	10	
KTMB-B	41434	KT small	4 - 7.5 mm	10	 <p>KTMB-D</p>
KTMB-C	41436	KT small	6.5 - 10 mm	10	 <p>Cross section KTMB</p>
KTMB-D	41438	KT small	9.5 - 13 mm	10	
KTMB-E	41440	KT small	13 - 16 mm	10	
KTMB-G	41460	KT large	13 - 18 mm	10	 <p>KTMB-I</p>
KTMB-H	41465	KT large	18 - 23 mm	10	
KTMB-I	41470	KT large	23 - 28 mm	10	
KTMB-J	41475	KT large	28 - 33 mm	10	 <p>KTMB-K</p>
KTMB-K	41480	KT large	2x 13 - 18 mm	10	

\*Only valid for gray product types

### Product description

The KT-DPF / KTMB grommets accept a wide range of cable diameters. A great benefit when the exact cable diameter is not known in advance. The KTMB grommets are not split and therefore only usable for cables without connectors. Cutting of KT-DPF grommets: Cable diameter less 20%.

### Specifications gray

Material	Elastomer
Flame class	UL94-Vo
IP rating	IP54
NEMA type rating	NEMA type 12 (acc. to UL 50E)
Temperature	- 40°C to + 90°C (static) - 40°F to + 194°F (static)
Properties	Halogen-free, silicone-free

### Specifications black

Material	Elastomer
Flame class	UL94-HB
IP rating	IP54
NEMA type rating	NEMA type 12 (acc. to UL 50E)
Temperature	- 30°C to + 90°C (static) - 40°F to + 194°F (static)
Properties	Higher chemical resistance

### KMS Cable template

The correct size of the KT grommets can easily be determined by using the stainless steel cable template.

- Determining the diameter of the cable
- Selecting the KT grommets according
- to the data on the cable template

Order No. 39800



# DT

## Membrane Cable Grommets



1

Description	Type	Order No.	Number of cables	PU
-------------	------	-----------	------------------	----

### Product Description

The DT cable grommets are designed for cables without preassembled connectors. A large number of cables can be routed utilizing minimal space.

DT grommets are designed to fit in KT large grommet spaces of the following products:

KEL-U/KEL-ER/KEL (8 - 34) | KVT (38 - 42)

The DT grommets are also perfectly suitable for the assembly of subsequently terminated cable harnesses.

### Advantages & Benefits

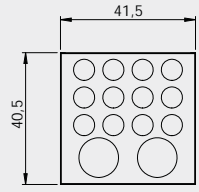
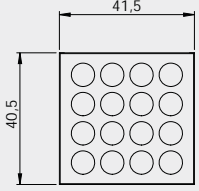
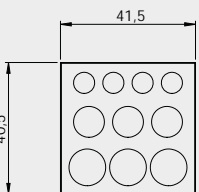
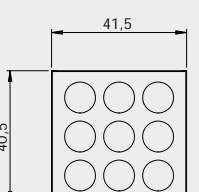
- Combination of routing pre-terminated cables and cables without connectors with one cable entry frame
- Enables subassembly of cable harnesses
- High cable density

### Specifications

Material	Elastomer
Flame class	UL94-Vo
IP rating	IP54
NEMA type rating	NEMA type 12 (acc. to UL 50E)
Temperature	- 40°C to + 90°C (static) - 40°F to + 194°F (static)
Properties	Halogen-free, silicone-free

### Accessories

ST-B Plugs 76

	DT 1	41500	12× max. 6.5 mm 2× max. 12.2 mm	10
	DT 2	41510	16× max. 7.1 mm	10
	DT 3	41520	4× max. 6.5 mm 3× max. 9.5 mm 3× max. 11.3 mm	10
	DT 4	41530	9× max. 9.5 mm	10

# KVT-EMC

## EMC Bracket for Cable Glands



Type	Order No.	Shield diameter	PU
KVT-EMC-25 SKL 1.5-3	37180.1	1.5 - 3 mm	5
KVT-EMC-25 SKL 3-6	37180.2	3 - 6 mm	5
KVT-EMC-25 SKL 6-8	37180.3	6 - 8 mm	5
KVT-EMC-25 SKL 8-11	37180.4	8 - 11 mm	5
KVT-EMC-32 SKL 1.5-3	37181.1	1.5 - 3 mm	5
KVT-EMC-32 SKL 3-6	37181.2	3 - 6 mm	5
KVT-EMC-32 SKL 6-8	37181.3	6 - 8 mm	5
KVT-EMC-32 SKL 8-11	37181.4	8 - 11 mm	5

### Product Description

The KVT-EMC brackets in combination with the split cable glands KVT and QVT combine routing, EMC shielding and strain relief. The connection to the ground potential is possible via the enclosure wall or an grounding tape.

Cables pass through the split cable glands and insert directly into the EMC clamps.

Separate functions according to regulations – carried out quickly and easily!

### Advantages & Benefits

- Simple and tool free assembly
- Large contact area
- Subsequent assembly possible
- Additional M5 hole for grounding tape

### Specifications

Material Carbon steel, zinc plated

### Compatible with

KVT Split cable glands 38 - 42  
QVT Split cable glands 52

# KGM | GMT

## Locknuts



Type KGM: Standard nut, plastic

### Product Description

Hexagonal locknut with metric threads for attaching components together.

For routing SUB-D, DVI or PROFIBUS connectors in combination with the split cable glands KVT / QVT, special locknuts with cut-outs are required:

**KGM-SUB-D9** fits D-Sub 9 connectors  
(Required wall cut-out: Ø 36 mm)

**KGM-PB** fits DVI and PROFIBUS connectors  
(Required wall cut-out: Ø 42 mm)

**KGM-SUB-D25** fits SUB-D25 connectors  
(Required wall cut-out: Ø 50 mm)

Split hexagonal locknuts GMT for use in combination with split cable glands KVT/QVT whenever pre-terminated cables are routed inside cable protection conduits through a machine or enclosure wall. Suitable for split corrugated conduits CONFIX WST.

6



**NEW**

### Wrenches for M75/M85 Plastic Locknuts

For mounting the new KEL-DPF sizes we offer suitable wrenches with widths for M75 and M85 plastic locknuts. Material: aluminum

M75: Order No. 61436 | M85: Order No. 61437 | PU: 1

Thread	Type	Order No.	Material	Height [mm]	Wrench size	Diagonal [mm]	Cut-out a×b[mm]	PU
--------	------	-----------	----------	-------------	-------------	---------------	-----------------	----

#### Type KGM: Standard nut, plastic

M16 × 1.5	KGM 16	□ 52272	PA	4.3	SW 22.8	28.2	-	10
M20 × 1.5	KGM 20	□ 52273 ■ 52283	PA	7	SW 26	28.2	-	10
M25 × 1.5	KGM 25	□ 52274 ■ 52284	PA	7	SW 32	36	-	10
M32 × 1.5	KGM 32	□ 52275 ■ 52285	PA	7	SW 41	46	-	10
M40 × 1.5	KGM 40	□ 52276 ■ 52286	PA	7	SW 50	56	-	10
M50 × 1.5	KGM 50	□ 52277 ■ 52287	PA	8.5	SW 60	66	-	10
M63 × 1.5	KGM 63	□ 52278 ■ 52288	PA	8.5	SW 75	83	-	5
<b>NEW</b> M75 × 1.5	KGM 75	■ 52289	PA	8.5	SW 85	93.1	-	5
<b>NEW</b> M85 × 2	KGM 85	■ 52290	PA	10	SW 100	109.5	-	5

# KGM | GMT Locknuts



Type KGM: SUB-D9, PB, SUB-D25



Type GMT: Split locknut



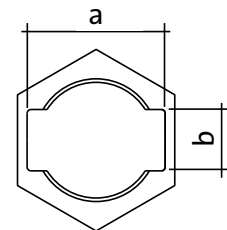
Thread	Type	Order No.	Material	Height [mm]	Wrench size	Diagonal [mm]	Cut-out a×b[mm]	PU
--------	------	-----------	----------	-------------	-------------	---------------	-----------------	----

Type KGM: PB, SUB-D9, SUB-D25

M32 × 1.5	KGM-SUB-D9	<input type="checkbox"/> 45105 <input checked="" type="checkbox"/> 45106	PC	7	SW 41	46	35 × 16	10
M40 × 1.5	KGM-PB	<input type="checkbox"/> 45107 <input checked="" type="checkbox"/> 45109	PC	8	SW 50	55	43 × 17	10
M50 × 1.5	KGM-SUB-D25	<input type="checkbox"/> 45108 <input checked="" type="checkbox"/> 45110	PC	8	SW 60	66	55 × 16	10

Type GMT: Split locknut

M20 × 1.5	GMT 20	<input checked="" type="checkbox"/> 31110	PA	9	SW 27	29	-	10
M25 × 1.5	GMT 25	<input checked="" type="checkbox"/> 31100	PA	9	SW 32	35	-	10
M32 × 1.5	GMT 32	<input checked="" type="checkbox"/> 31120	PA	12	SW 40	44	-	10
M50 × 1.5	GMT 50	<input checked="" type="checkbox"/> 31140	PA	15	SW 63	69	-	10



## Specifications

Material	Polyamide (PA) / Polycarbonate (PC)
Color	<input type="checkbox"/> gray (similar RAL 7035) <input checked="" type="checkbox"/> black
Flame class	UL94-Vo, self-extinguishing
Temperature	- 30°C to + 120°C
Properties	Halogen free, silicone free

## Compatible with

KVT, KVT-SNAP, KVT-W90	
Split cable glands	38 - 42
QVT Split cable glands	52
KEL-DPZ Cable entry plates	70 - 71
KEL-DPF Cable entry grommets	77