

Cable Glands

Series 8161/7, 8161/8

E10



- For safe cable entry in Ex e and Ex i areas
- Can be used at temperatures of between -60 ... +75 °C, degree of protection IP68
- Available in Ex e and Ex i versions (Ex i version distinguished by its blue cap nut)
- Suitable for cable diameters from 1 ... 48 mm
- Versions with multi-seal inserts

WebCode 8161B



R. STAHL's 8161/7 and 8161/8 series cable entries can be used to safely run cables into Ex e enclosures. They are suitable for cables between 1 to 48 mm in diameter. They are available for Ex e and Ex i circuits – the Ex i version can be distinguished by its blue cap nut. A stopping plug can be integrated to seal any cable entries that are not being used.

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table										
Product Description					Cable gland For low temperature					
Ambient temperature					-60 °C ... +75 °C					
Variant					Standard thread					
Ex version					Ex e					
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M20	7 – 13 mm	24 mm	27 mm	50	8161/7-M20-1307-LT	10 mm	36 to 43 mm	Black	239204 ▲	0.013
M25	10 – 17 mm	29 mm	32 mm	50	8161/7-M25-1710-LT	10 mm	38 to 46 mm	Black	239205 ▲	0.019
M32	13 – 21 mm	36 mm	40 mm	25	8161/7-M32-2113-LT	12 mm	42 to 50 mm	Black	239206 ▲	0.032
M40	17 – 28 mm	46 mm	51 mm	10	8161/7-M40-2817-LT	12 mm	52 to 65 mm	Black	239207 ■	0.068
M50	23 – 35 mm	55 mm	61 mm	4	8161/7-M50-3523-LT	14 mm	59 to 72 mm	Black	239208 ■	0.107
M63	34 – 48 mm	68 mm	75 mm	1	8161/7-M63-4834-LT	15 mm	64 to 78 mm	Black	239209 ■	0.155
Product Description					Cable gland For low temperature					
Ambient temperature					-60 °C ... +75 °C					
Variant					Standard thread					
Ex version					Ex i					
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M20	7 – 13 mm	24 mm	27 mm	50	8161/8-M20-1307-LT	10 mm	36 to 43 mm	Blue	239212 ▲	0.013
M25	10 – 17 mm	29 mm	32 mm	50	8161/8-M25-1710-LT	10 mm	38 to 46 mm	Blue	239213 ▲	0.019
M32	13 – 21 mm	36 mm	40 mm	25	8161/8-M32-2113-LT	12 mm	42 to 50 mm	Blue	239214 ■	0.032

1

Series 8161/7, 8161/8

E10

Selection Table

Product Description		Cable gland For low temperature -60 °C ... +75 °C								
Ambient temperature		Standard thread								
Variant		Ex i								
Ex version										
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M40	17 – 28 mm	46 mm	51 mm	10	8161/8-M40-2817-LT	12 mm	52 to 65 mm	Blue	239215 ■	0.068
Product Description		Cable gland For low temperature -40 °C ... +75 °C								
Ambient temperature		Standard thread								
Variant		Ex e								
Ex version										
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M16	5 – 9 mm	20 mm	22 mm	50	8161/7-M16-0905-LT	9 mm	31 to 37 mm	Black	239203 ■	0.009
Product Description		Cable gland For low temperature -40 °C ... +75 °C								
Ambient temperature		Standard thread								
Variant		Ex i								
Ex version										
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M16	5 – 9 mm	20 mm	22 mm	50	8161/8-M16-0905-LT	9 mm	31 to 37 mm	Blue	239211 ■	0.009
Product Description		Cable gland with multiple sealing insert Black 4								
Number of cables		-40 °C ... +75 °C								
Ambient temperature		Ex e								
Ex version										
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M25	3.2 – 3.5 mm	29 mm	32 mm	50	8161/7-M25-9999-MFD-04035	10 mm	38 to 46 mm	Black	265083	0.020
Product Description		Cable gland with multiple sealing insert Black 4								
Number of cables		-40 °C ... +75 °C								
Ambient temperature		Ex i								
Ex version										
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M25	3.2 – 3.5 mm	29 mm	32 mm	50	8161/8-M25-9999-MFD-04035	10 mm	38 to 46 mm	Blue	265084	0.020
Product Description		Cable gland with multiple sealing insert Green 4								
Number of cables		-40 °C ... +75 °C								
Ambient temperature		Ex e								
Ex version										
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M25	4.1 – 4.5 mm	29 mm	32 mm	50	8161/7-M25-9999-MFD-04045	10 mm	38 to 46 mm	Black	265085	0.020
Product Description		Cable gland with multiple sealing insert Green 4								
Number of cables		-40 °C ... +75 °C								
Ambient temperature		Ex i								
Ex version										
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M25	4.1 – 4.5 mm	29 mm	32 mm	50	8161/8-M25-9999-MFD-04045	10 mm	38 to 46 mm	Blue	265086	0.020

Cable Glands

Series 8161/7, 8161/8

E10

Selection Table										
Product Description Number of cables Ambient temperature Ex version					Cable gland with multiple sealing insert Red 4 -40 °C ... +75 °C Ex e					
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M25	4.7 – 5.2 mm	29 mm	32 mm	50	8161/7-M25-9999-MFD-04052	10 mm	38 to 46 mm	Black	265087	0.020
M32	4.5 – 5 mm	36 mm	40 mm	25	8161/7-M32-9999-MFD-04050	12 mm	42 to 50 mm	Black	265089	0.036
Product Description Number of cables Ambient temperature Ex version					Cable gland with multiple sealing insert Red 4 -40 °C ... +75 °C Ex i					
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M25	4.7 – 5.2 mm	29 mm	32 mm	50	8161/8-M25-9999-MFD-04052	10 mm	38 to 46 mm	Blue	265088	0.020
M32	4.5 – 5 mm	36 mm	40 mm	25	8161/8-M32-9999-MFD-04050	12 mm	42 to 50 mm	Blue	265090	0.036
Product Description Number of cables Ambient temperature Ex version					Cable gland with multiple sealing insert White 4 -40 °C ... +75 °C Ex e					
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M25	3.6 – 4 mm	29 mm	32 mm	50	8161/7-M25-9999-MFD-04040	10 mm	38 to 46 mm	Black	261983	0.020
M25	5.4 – 6 mm	29 mm	32 mm	50	8161/7-M25-9999-MFD-04060	10 mm	38 to 46 mm	Black	261981	0.020
M32	6.3 – 7 mm	36 mm	40 mm	25	8161/7-M32-9999-MFD-04070	12 mm	42 to 50 mm	Black	265091	0.036
Product Description Number of cables Ambient temperature Ex version					Cable gland with multiple sealing insert White 4 -40 °C ... +75 °C Ex i					
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M25	3.6 – 4 mm	29 mm	32 mm	50	8161/8-M25-9999-MFD-04040	10 mm	38 to 46 mm	Blue	261984	0.020
M25	5.4 – 6 mm	29 mm	32 mm	50	8161/8-M25-9999-MFD-04060	10 mm	38 to 46 mm	Blue	261982	0.020
M32	6.3 – 7 mm	36 mm	40 mm	25	8161/8-M32-9999-MFD-04070	12 mm	42 to 50 mm	Blue	265092	0.036
Product Description Ambient temperature Variant Ex version					Cable gland Without reduction sealing insert -40 °C ... +75 °C Standard thread Ex e					
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M16	5 – 9 mm	20 mm	22 mm	50	8161/7-M16-0905	9 mm	31 to 37 mm	Black	239171 ▲	0.009
M20	7 – 13 mm	24 mm	27 mm	50	8161/7-M20-1307	10 mm	36 to 43 mm	Black	239172 ▲	0.013
M25	10 – 17 mm	29 mm	32 mm	50	8161/7-M25-1710	10 mm	38 to 46 mm	Black	239173 ▲	0.019

Cable Glands

Series 8161/7, 8161/8

E10

Selection Table

Product Description		Cable gland Without reduction sealing insert								
Ambient temperature		-40 °C ... +75 °C								
Variant		Standard thread								
Ex version		Ex e								
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M32	13 – 21 mm	36 mm	40 mm	25	8161/7-M32-2113	12 mm	42 to 50 mm	Black	239174 ▲	0.032
M40	17 – 28 mm	46 mm	51 mm	10	8161/7-M40-2817	12 mm	52 to 65 mm	Black	239175 ▲	0.068
M50	23 – 35 mm	55 mm	61 mm	4	8161/7-M50-3523	14 mm	59 to 72 mm	Black	239176 ▲	0.107
M63	34 – 48 mm	68 mm	75 mm	1	8161/7-M63-4834	15 mm	64 to 78 mm	Black	239177 ▲	0.155
Product Description		Cable gland Without reduction sealing insert								
Ambient temperature		-40 °C ... +75 °C								
Variant		Standard thread								
Ex version		Ex i								
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M16	5 – 9 mm	20 mm	22 mm	50	8161/8-M16-0905	9 mm	31 to 37 mm	Blue	239179 ▲	0.009
M20	7 – 13 mm	24 mm	27 mm	50	8161/8-M20-1307	10 mm	36 to 43 mm	Blue	239180 ▲	0.013
M25	10 – 17 mm	29 mm	32 mm	50	8161/8-M25-1710	10 mm	38 to 46 mm	Blue	239181 ▲	0.019
M32	13 – 21 mm	36 mm	40 mm	25	8161/8-M32-2113	12 mm	42 to 50 mm	Blue	239182 ▲	0.032
M40	17 – 28 mm	46 mm	51 mm	10	8161/8-M40-2817	12 mm	52 to 65 mm	Blue	239183 ■	0.068
M50	23 – 35 mm	55 mm	61 mm	4	8161/8-M50-3523	14 mm	59 to 72 mm	Blue	239184 ■	0.107
M63	34 – 48 mm	68 mm	75 mm	1	8161/8-M63-4834	15 mm	64 to 78 mm	Blue	239185 ■	0.155
Product Description		Cable gland Without reduction sealing insert								
Ambient temperature		15 °C ... +65 °C								
Variant		Standard thread								
Ex version		Ex e								
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M12	3 – 6 mm	16 mm	18 mm	50	8161/7-M12-0603	9 mm	29 to 34 mm	Black	239170 ▲	0.007
Product Description		Cable gland Without reduction sealing insert								
Ambient temperature		15 °C ... +65 °C								
Variant		Standard thread								
Ex version		Ex i								
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M12	3 – 6 mm	16 mm	18 mm	50	8161/8-M12-0603	9 mm	29 to 34 mm	Blue	239178 ▲	0.007
Product Description		Cable gland With reduction sealing insert								
Ambient temperature		-40 °C ... +75 °C								
Variant		Long thread								
Ex version		Ex e								
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M16	2 – 9 mm	20 mm	22 mm	50	8161/7-M16-0902-L	15 mm	37 to 43 mm	Black	239187	0.009
M20	4 – 13 mm	24 mm	27 mm	50	8161/7-M20-1304-L	15 mm	41 to 48 mm	Black	239188	0.013
M25	7 – 17 mm	29 mm	32 mm	50	8161/7-M25-1707-L	15 mm	43 to 51 mm	Black	239189	0.019

Cable Glands

Series 8161/7, 8161/8

E10

Selection Table										
Product Description				Cable gland With reduction sealing insert						
Ambient temperature				-40 °C ... +75 °C						
Variant				Long thread						
Ex version				Ex e						
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M32	9 – 21 mm	36 mm	40 mm	25	8161/7-M32-2109-L	15 mm	45 to 53 mm	Black	239190	0.032
M40	12 – 28 mm	46 mm	51 mm	10	8161/7-M40-2812-L	18 mm	58 to 71 mm	Black	239191	0.068
M50	16 – 35 mm	55 mm	61 mm	4	8161/7-M50-3516-L	18 mm	63 to 76 mm	Black	239192	0.107
M63	28 – 48 mm	68 mm	75 mm	1	8161/7-M63-4828-L	18 mm	67 to 81 mm	Black	239193	0.155
Product Description				Cable gland With reduction sealing insert						
Ambient temperature				-40 °C ... +75 °C						
Variant				Long thread						
Ex version				Ex i						
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M16	2 – 9 mm	20 mm	22 mm	50	8161/8-M16-0902-L	15 mm	37 to 43 mm	Blue	239195	0.009
M20	4 – 13 mm	24 mm	27 mm	50	8161/8-M20-1304-L	15 mm	41 to 48 mm	Blue	239196	0.013
M25	7 – 17 mm	29 mm	32 mm	50	8161/8-M25-1707-L	15 mm	43 to 51 mm	Blue	239197	0.019
M32	9 – 21 mm	36 mm	40 mm	25	8161/8-M32-2109-L	15 mm	45 to 53 mm	Blue	239198	0.032
M40	12 – 28 mm	46 mm	51 mm	10	8161/8-M40-2812-L	18 mm	58 to 71 mm	Blue	239199	0.068
M63	28 – 48 mm	68 mm	75 mm	1	8161/8-M63-4828-L	18 mm	67 to 81 mm	Blue	239201	0.155
Product Description				Cable gland With reduction sealing insert						
Ambient temperature				-40 °C ... +75 °C						
Variant				Standard thread						
Ex version				Ex e						
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M16	2 – 9 mm	20 mm	22 mm	50	8161/7-M16-0902	9 mm	31 to 37 mm	Black	239155 ▲	0.009
M20	4 – 13 mm	24 mm	27 mm	50	8161/7-M20-1304	10 mm	36 to 43 mm	Black	239156 ▲	0.013
M25	7 – 17 mm	29 mm	32 mm	50	8161/7-M25-1707	10 mm	38 to 46 mm	Black	239157 ▲	0.019
M32	9 – 21 mm	36 mm	40 mm	25	8161/7-M32-2109	12 mm	42 to 50 mm	Black	239158 ▲	0.032
M40	12 – 28 mm	46 mm	51 mm	10	8161/7-M40-2812	12 mm	52 to 65 mm	Black	239159 ▲	0.068
M50	16 – 35 mm	55 mm	61 mm	4	8161/7-M50-3516	14 mm	59 to 72 mm	Black	239160 ▲	0.107
M63	28 – 48 mm	68 mm	75 mm	1	8161/7-M63-4828	15 mm	64 to 78 mm	Black	239161 ▲	0.155
Product Description				Cable gland With reduction sealing insert						
Ambient temperature				-40 °C ... +75 °C						
Variant				Standard thread						
Ex version				Ex i						
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M16	2 – 9 mm	20 mm	22 mm	50	8161/8-M16-0902	9 mm	31 to 37 mm	Blue	239163 ▲	0.009
M20	4 – 13 mm	24 mm	27 mm	50	8161/8-M20-1304	10 mm	36 to 43 mm	Blue	239164 ▲	0.013

Cable Glands

Series 8161/7, 8161/8

E10

Selection Table

Product Description Ambient temperature Variant Ex version										
Cable gland With reduction sealing insert -40 °C ... +75 °C Standard thread Ex i										
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M25	7 – 17 mm	29 mm	32 mm	50	8161/8-M25-1707	10 mm	38 to 46 mm	Blue	239165 ▲	0.019
M32	9 – 21 mm	36 mm	40 mm	25	8161/8-M32-2109	12 mm	42 to 50 mm	Blue	239166 ▲	0.032
M40	12 – 28 mm	46 mm	51 mm	10	8161/8-M40-2812	12 mm	52 to 65 mm	Blue	239167 ▲	0.068
M50	16 – 35 mm	55 mm	61 mm	4	8161/8-M50-3516	14 mm	59 to 72 mm	Blue	239168	0.107
M63	28 – 48 mm	68 mm	75 mm	1	8161/8-M63-4828	15 mm	64 to 78 mm	Blue	239169 ■	0.155
Product Description Ambient temperature Variant Ex version										
Cable gland With reduction sealing insert 15 °C ... +65 °C Long thread Ex e										
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M12	1 – 6 mm	16 mm	18 mm	50	8161/7-M12-0601-L	15 mm	35 to 40 mm	Black	239186	0.007
Product Description Ambient temperature Variant Ex version										
Cable gland With reduction sealing insert 15 °C ... +65 °C Long thread Ex i										
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M12	1 – 6 mm	16 mm	18 mm	50	8161/8-M12-0601-L	15 mm	35 to 40 mm	Blue	239194	0.007
Product Description Ambient temperature Variant Ex version										
Cable gland With reduction sealing insert 15 °C ... +65 °C Standard thread Ex e										
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M12	1 – 6 mm	16 mm	18 mm	50	8161/7-M12-0601	9 mm	29 to 34 mm	Black	239154 ▲	0.007
Product Description Ambient temperature Variant Ex version										
Cable gland With reduction sealing insert 15 °C ... +65 °C Standard thread Ex i										
Thread size	Clamping range	Width across flats	Width across corners	Lot size	Product Type	Thread length	Total length	Colour	Art. No.	Weight kg
M12	1 – 6 mm	16 mm	18 mm	50	8161/8-M12-0601	9 mm	29 to 34 mm	Blue	239162 ▲	0.007

Lot size: Purchase order quantity in [pieces], the delivery quantity is automatically rounded to the lot size.

Technical Data


Variant	8161/-M.-....	8161/-M.-....-LT
Explosion Protection		
IECEX gas explosion protection	Ex eb IIC Gb	Ex eb IIC Gb
IECEX dust explosion protection	Ex tb IIIC Db	Ex tb IIIC Db
ATEX gas explosion protection	Ⓜ II 2 G Ex eb IIC Gb	Ⓜ II 2 G Ex eb IIC Gb
ATEX dust explosion protection	Ⓜ II 2 D Ex tb IIIC Db	Ⓜ II 2 D Ex tb IIIC Db
Certificates	ATEX (PTB), Brazil (ULB), EAC (ENDCE), IECEx (PTB), Korea (KGS)	ATEX (PTB), Brazil (ULB), EAC (ENDCE), IECEx (PTB), Korea (KGS)

Cable Glands

Series 8161/7, 8161/8

E10

Technical Data		
Variant	8161/-M.-.....	8161/-M.-.....-LT
Ambient Conditions		
Use at the height of	< 2000 m	< 2000 m
Mechanical Data		
Material	Polyamide, Glass fibre reinforced	Polyamide, Glass fibre reinforced
Material	Polyamide	Polyamide
Degree of protection (IP)	IP66	IP66
Degree of protection note	IP68 at 5 bar 30 min. (IP protection according to IEC/EN 60529)	IP68 at 5 bar 30 min. (IP protection according to IEC/EN 60529)
Sealing material	EPDM profile seal	SI profile seal
Silicone-free	Yes	No
Self-extinguishing	Yes	Yes
Flame-retardant	Yes	Yes
Halogen-free	Yes	Yes
Surface resistance	$\leq 10^{13} \Omega$	$\leq 10^{13} \Omega$




Accessories				
Figure	Description		Art. No.	Weight kg
Flat gasket (standard), EPDM (-40 ... +75 °C) Replacement seals for cable glands				
	For cable glands 8161/-M12-06... Connection thread: M12 x 1.5	Lot size: 100	240245	0.001
	For cable glands 8161/-M12-06... Connection thread: M12 x 1.5	Lot size: 50	240244	0.001
	For cable glands 8161/-M16-09.. Connection thread: M16	Lot size: 100	222370	0.001
	For cable glands 8161/-M16-09... Connection thread: M16	Lot size: 50	222363	0.001
	For cable glands 8161/-M20-13 Connection thread: M20	Lot size: 100	222371	0.001
	For cable glands 8161/-M20-13 Connection thread: M20	Lot size: 50	222364	0.001
	For cable glands 8161/-M25-17 Connection thread: M25	Lot size: 100	222372	0.001
	For cable glands 8161/-M25-17 Connection thread: M25	Lot size: 50	222365	0.001
	For cable glands 8161/-M32-21 Connection thread: M32	Lot size: 100	222373	0.001
	For cable glands 8161/-M32-21 Connection thread: M32	Lot size: 50	222366	0.001
	For cable glands 8161/-M40-28 Connection thread: M40	Lot size: 100	222374	0.002
	For cable glands 8161/-M40-28 Connection thread: M40	Lot size: 50	222367	0.002
	For cable glands 8161/-M50-35 Connection thread: M50	Lot size: 100	222375	0.002
	For cable glands 8161/-M50-35 Connection thread: M50	Lot size: 50	222368	0.002
	For cable glands 8161/-M63-48 Connection thread: M63	Lot size: 100	222376	0.002
	For cable glands 8161/-M63-48 Connection thread: M63	Lot size: 50	222369	0.002

Cable Glands

Series 8161/7, 8161/8

E10

Accessories

Figure	Description		Art. No.	Weight kg
Flat gasket silicone (-60 ... +75°C) Replacement seals for low temperature				
	For cable glands 8161/-M16-09.. Connection thread: M16	Lot size: 100	240248	0.001
	For cable glands 8161/-M20-13 Connection thread: M20	Lot size: 100	240249	0.001
	For cable glands 8161/-M25-17 Connection thread: M25	Lot size: 100	240250	0.001
	For cable glands 8161/-M32-21 Connection thread: M32	Lot size: 100	240251	0.001
	For cable glands 8161/-M40-28 Connection thread: M40	Lot size: 100	240252	0.002
	For cable glands 8161/-M50-35 Connection thread: M50	Lot size: 100	240253	0.002
	For cable glands 8161/-M63-48 Connection thread: M63	Lot size: 100	240254	0.002
Locknut, brass nickel-plated (-60 ... +75 °C) To fasten the cable glands in through holes				
	Material: Nickel-plated brass Thread size: M12	Lot size: 100	241518 ▲	0.220
	Material: Nickel-plated brass Thread size: M16	Lot size: 100	241519 ▲	0.290
	Material: Nickel-plated brass Thread size: M20	Lot size: 100	241520 ▲	0.480
	Material: Nickel-plated brass Thread size: M25	Lot size: 100	241561 ▲	0.720
	Material: Nickel-plated brass Thread size: M32	Lot size: 50	241562 ▲	0.545
	Material: Nickel-plated brass Thread size: M40	Lot size: 50	241563 ▲	1.030
	Material: Nickel-plated brass Thread size: M50	Lot size: 25	241564 ▲	0.680
	Material: Nickel-plated brass Thread size: M63	Lot size: 10	241565 ■	0.499
Locknut, plastic (-40 ... +75 °C) To fasten the cable glands in through holes				
	Material: Polyamide Thread size: M12	Lot size: 100	239460 ▲	0.001
	Material: Polyamide Thread size: M16	Lot size: 100	239461 ▲	0.002
	Material: Polyamide Thread size: M20	Lot size: 100	239462 ▲	0.002
	Material: Polyamide Thread size: M25	Lot size: 100	239463 ▲	0.003
	Material: Polyamide Thread size: M40	Lot size: 50	239465 ▲	0.007
	Material: Polyamide Thread size: M50	Lot size: 25	239466 ■	0.012
	Material: Polyamide Thread size: M63	Lot size: 10	239467 ■	0.018

Cable Glands

Series 8161/7, 8161/8

E10

Accessories				
Figure	Description		Art. No.	Weight kg
Reduction sealing insert (standard), EPDM (-40 ... +75 °C) For cable glands				
	Connection thread: M12 x 1.5 Clamping range: 1 – 3 mm	Lot size: 50	239444	0.001
	Connection thread: M16 x 1.5 Clamping range: 2 – 6 mm	Lot size: 50	239445	0.001
	Connection thread: M20 x 1.5 Clamping range: 4 – 8 mm	Lot size: 50	239446	0.001
	Connection thread: M25 x 1.5 Clamping range: 7 – 12 mm	Lot size: 25	239447	0.003
	Connection thread: M32 x 1.5 Clamping range: 9 – 14 mm	Lot size: 25	239448	0.003
	Connection thread: M40 x 1.5 Clamping range: 12 – 20 mm	Lot size: 10	239449	0.007
	Connection thread: M50 x 1.5 Clamping range: 16 – 25 mm	Lot size: 10	239450	0.012
	Connection thread: M63 x 1.5 Clamping range: 28 – 38 mm	Lot size: 10	239451	0.019
Reduction sealing insert, silicone (-60 ... +75 °C) For low temperature				
	Connection thread: M16 x 1.5 Clamping range: 2 – 6 mm	Lot size: 50	239453	0.001
	Connection thread: M20 x 1.5 Clamping range: 4 – 8 mm	Lot size: 50	239454	0.001
	Connection thread: M25 x 1.5 Clamping range: 7 – 12 mm	Lot size: 25	239455	0.002
	Connection thread: M32 x 1.5 Clamping range: 9 – 14 mm	Lot size: 25	239456	0.003
	Connection thread: M40 x 1.5 Clamping range: 12 – 20 mm	Lot size: 10	239457	0.008
	Connection thread: M50 x 1.5 Clamping range: 16 – 25 mm	Lot size: 10	239458	0.015
Special key				
	Thread size: M16	Packaging unit: 1	114207	0.120
	Thread size: M20	Packaging unit: 1	114208	0.132
	Thread size: M25	Packaging unit: 1	114205	0.163
	Thread size: M32	Packaging unit: 1	114209	0.237
	Thread size: M40	Packaging unit: 1	114210	0.274
Plug (-60 ... +75 °C; depending on cable gland that has been used) For closing unused cable glands Material: Polyamide				
	Diameter: 3 mm	Lot size: 50	240044 ■	0.001
	Diameter: 6 mm	Lot size: 50	240046 ■	0.001
	Diameter: 8 mm	Lot size: 50	240048 ■	0.001
	Diameter: 12 mm	Lot size: 50	240049 ■	0.002
	Diameter: 17 mm	Lot size: 50	240056 ■	0.003
	Diameter: 14 mm	Lot size: 50	240050 ■	0.003
	Diameter: 20 mm	Lot size: 25	240057 ■	0.004
	Diameter: 28 mm	Lot size: 25	240059 ■	0.009
	Diameter: 25 mm	Lot size: 25	240058 ■	0.007
	Diameter: 35 mm	Lot size: 10	240060 ■	0.010
	Diameter: 48 mm	Lot size: 10	240062 ■	0.028

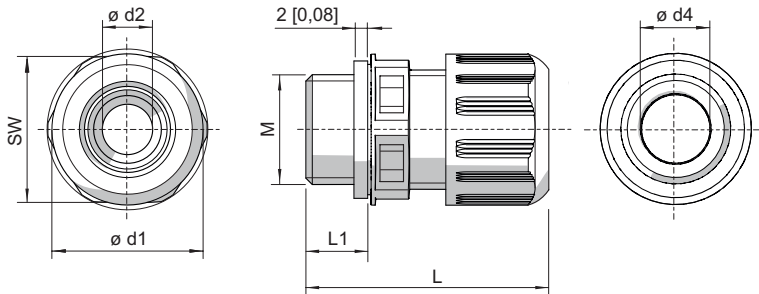
Cable Glands

Series 8161/7, 8161/8

E10

Lot size: Purchase order quantity in [pieces], the delivery quantity is automatically rounded to the lot size.

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



M = Thread size SW = Width across flats
L1 = Thread length L = Total length

Cable glands without bend protection

Thread size	Width across flats	Total length	Total length (with long thread)	Thread length	Thread length (long thread)	Clamping range	Clamping range + reduction sealing insert	Dimension d1	Dimension d2	Dimension d4
M12	16.00 mm	29 to 34 mm	35 to 40 mm	9.000 mm	15.000 mm	3.00 - 6.00 mm	1.00 - 6.00 mm	18 mm	7.3 mm	6.3 mm
M16	20.00 mm	31 to 37 mm	37 to 43 mm	9.000 mm	15.000 mm	5.00 - 9.00 mm	2.00 - 9.00 mm	22 mm	10.3 mm	9.3 mm
M20	24.00 mm	36 to 43 mm	41 to 48 mm	10.000 mm	15.000 mm	7.00 - 13.00 mm	4.00 - 13.00 mm	27 mm	13.3 mm	13.3 mm
M25	29.00 mm	38 to 46 mm	43 to 51 mm	10.000 mm	15.000 mm	10.00 - 17.00 mm	7.00 - 17.00 mm	32 mm	17.3 mm	17.3 mm
M32	36.00 mm	42 to 50 mm	45 to 53 mm	12.000 mm	15.000 mm	13.00 - 21.00 mm	9.00 - 21.00 mm	40 mm	21.3 mm	21.3 mm
M40	46.00 mm	52 to 65 mm	58 to 71 mm	12.000 mm	18.000 mm	17.00 - 28.00 mm	12.00 - 28.00 mm	51 mm	28.3 mm	30 mm
M50	55.00 mm	59 to 72 mm	63 to 76 mm	14.000 mm	18.000 mm	23.00 - 35.00 mm	16.00 - 35.00 mm	61 mm	35.3 mm	40 mm
M63	68.00 mm	64 to 78 mm	67 to 81 mm	15.000 mm	18.000 mm	34.00 - 48.00 mm	28.00 - 48.00 mm	75 mm	48.3 mm	53 mm