



Bell Mouthed Glands in Moulded Plastic Series 8165

- Explosion protection to
 - CENELEC
 - IEC
- Can be used in Zone 1 and Zone 2
- Explosion protection type „increased safety”
- Degree of protection IP 66
- EEx e and EEx i versions
- Threaded entries in metal
- For flexible cables
- Strain relief
- Protection against bending and turning
- Cable diameter range from 8 to 36 mm

STAHL

Bell mouthed glands are suitable for use with flexible cables inserted into type "increased safety" enclosures. They are impact-proof and constructed to EN 50 014 and EN 50 019 and also have strain relief and protection against turning. The bell mouthed gland ensures the necessary protection against bending and prevents damage of flexible cables.

The standard DIN 46 320 for Pg threads will be withdrawn in December 1999. Cable glands with Pg threads are available on request.

Zone 1 and Zone 2

Selection table

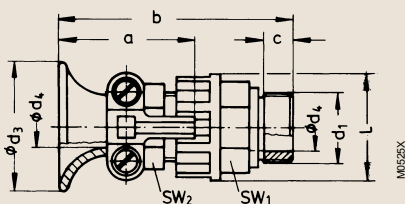
Thread size	Cable dia. range [mm]	Ordering code		Weight [kg]
		EEx e black design	EEx i blue design	
M20 x 1,5	8 – 11	8165/3 – M20 – 11 – 0	8165/3 – M20 – 11 – 6	0,065
M25 x 1,5	8 – 11	8165/3 – M25 – 11 – 0	8165/3 – M25 – 11 – 6	0,070
M25 x 1,5	11 – 15	8165/3 – M25 – 15 – 0	8165/3 – M25 – 15 – 6	0,070
M32 x 1,5	12 – 19 ¹⁾	8165/3 – M32 – 19 – 0	8165/3 – M32 – 19 – 6	0,105
M40 x 1,5	18 – 28 ¹⁾	8165/3 – M40 – 28 – 0	8165/3 – M40 – 28 – 6	0,195
M48 x 1,5	26 – 36 ¹⁾	8165/3 – M48 – 36 – 0	8165/3 – M48 – 36 – 6	0,310

¹⁾ removable seal

Technical data

Explosion protection	EEx e II
Test certificate	PTB No. Ex-94.C.3133 other certificates: VNIIEF (Russia), FTZU (Czech Republic), BKI (Hungary)
Material	Polyamide (12), flame resistant, impactproof ≥ 7 Nm from – 20 °C to + 85 °C, gasket of NBR Brass entry thread, insulated against the cable entry.
Degree of protection	IP 66
Colour	EEx e: black EEx i: black with blue bracket, cable entries for intrinsically safe circuits
Mounting	On fitting, the flat rings (vulcanised fibre) should be placed underneath (see page 13/27)

Dimensions (all dimensions in mm)



Bell mouthed cable glands, Series 8165

Thread size	Dimensions							
	SW ₁	SW ₂	d ₃ max.	d ₄ min.	a	b max.	c	L
M20 x 1,5	27	30	36	13	48	82	14	40
M25 x 1,5	27	30	36	15	48	82	14	40
M32 x 1,5	36	32	58	20	60	98	15	46
M40 x 1,5	46	46	59	29	83	121	18	65
M48 x 1,5	55	55	75	36	105	147	20	77



Bell Mouthed Glands in Metall Series 542

- Explosion protection to
 - CENELEC
 - IEC
- Can be used in Zone 1 and Zone 2
- Explosion protection type „increased safety”
- High degree of protection IP 65
- For flexible cables
- Strain relief
- Protection against bending and turning
- Cable diameter range from 41 to 86 mm

STAHL

Bell mouthed glands are suitable for use with flexible cables inserted into type "increased safety" enclosure. They have strain relief and protection against turning.

The bell mouthed gland ensures the necessary protection against bending and prevents damage of flexible cables.

The standard DIN 46 320 for Pg threads will be withdrawn in December 1999. Cable glands with Pg threads are available on request.

Zone 1 and Zone 2

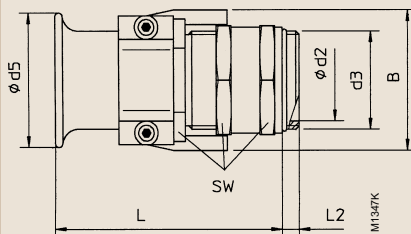
Selection table

Thread size	Cable diameter range [mm]	Ordering code	Weight [kg]
M65 x 1,5	41 – 46	351 664 0	2,530
M65 x 1,5	44 – 49	351 665 0	2,350
M65 x 1,5	48 – 53	351 666 0	2,160
M80 x 2	52 – 57	351 667 0	3,770
M80 x 2	55 – 61	351 668 0	3,530
M80 x 2	59 – 65	351 669 0	3,210
M80 x 2	62 – 68	351 670 0	2,950
M95 x 2	68 – 74	351 671 0	4,680
M95 x 2	74 – 80	351 672 0	4,120
M100 x 2	80 – 86	351 673 0	4,300

Technical data

Explosion protection	EEx e II
Test certificate	INIEX 89.B.102 761 (M-Series)
Material	brass malleable cast iron
Transition piece	
Bell mouthed part	
Colour	structured lacquer, grey
Gasket	Neoprene
Degree of protection	IP 65

Dimensions (all dimensions in mm)



Bell mouthed cable glands, Series 542

Thread size	Dimensions [mm]					
	SW	B	L	L ₂	d ₅	d ₂ *
M65 x 1,5	75	88	150	15	100	46,5/49,5/53,5
M80 x 2	90	107	166	20	110	57,5/61,5/65,5/68,5
M95 x 2	105	126	181	20	130	74,5/80,5
M100 x 2	110	131	187	20	140	86,5

* depends on terminal space of cable gland