



Brass

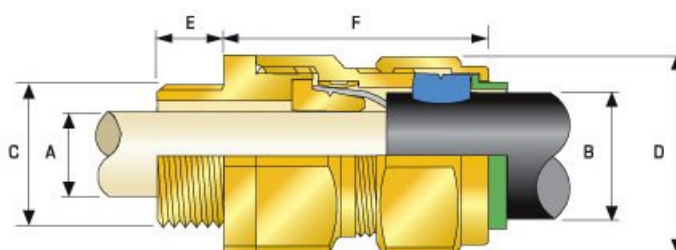
CWe Increased Safety Ex e Cable Gland

CMP Type CWe Increased Safety (Type 'e') cable gland for use in Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous Areas with Single Wire Armour (SWA) cable providing an environmental seal on the cable outer sheath. The cable gland being suitable for armoured cables, provides mechanical cable retention and electrical continuity via armour wire termination.

All CMP Cable Glands are EMC Tested.

A detachable armour cone and AnyWay universal clamping ring arrangement allows the cable to be easily disconnected from the equipment, for maintenance and change out etc., and re-connected with the same consummate ease. This feature also facilitates remote make off procedures when the termination is to be conducted in confined spaces or in areas of restricted access.

The CMP CWe Cable Gland is suitable for use with Increased Safety Type e and Flameproof Type d enclosures that are equipped with a secondary Increased Safety Type e terminal enclosure (i.e. Ex de) provided always that no source of ignition prevails and the prevailing code of practice for selection and installation is observed, e.g. IEC 60079-14.



Cable Gland Selection Table

Cable Gland Size	Standard Metric Entry Threads "C"	Minimum Thread Length "E"	Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Armour Range +		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Ordering Reference (Brass Metric)	PVC Shroud Reference *	Cable Gland Weight (Kgs)
			Max	Min	Max	Min	Max	Max	Max					
20S/16	M20	15.0	8.7	6.1	11.5	0.9	1.0	24.0	25.9	21.0	20S16CWe1RA	PVC04	0.054	
20S	M20	15.0	11.7	9.5	15.9	0.9	1.25	24.0	25.9	21.0	20SCWe1RA	PVC04	0.054	
20	M20	15.0	14.0	12.5	20.9	0.9	1.25	30.5	32.9	24.0	20CWe1RA	PVC06	0.059	
25S	M25	15.0	20.0	14.0	22.0	1.25	1.6	37.5	40.5	26.0	25SCWe1RA	PVC09	0.112	
25	M25	15.0	20.0	18.2	26.2	1.25	1.6	37.5	40.5	26.0	25CWe1RA	PVC09	0.128	
32	M32	15.0	26.3	23.7	33.9	1.6	2.0	46.0	49.7	27.0	32CWe1RA	PVC11	0.128	
40	M40	15.0	32.2	27.9	40.4	1.6	2.0	55.0	59.4	28.0	40CWe1RA	PVC15	0.168	
50S	M50	15.0	38.2	35.2	46.7	2.0	2.5	60.0	64.8	29.0	50SCWe1RA	PVC18	0.224	
50	M50	15.0	44.1	40.4	53.1	2.0	2.5	70.0	75.6	30.0	50CWe1RA	PVC21	0.231	
63S	M63	15.0	50.0	45.6	59.4	2.0	2.5	75.0	81.0	30.0	63SCWe1RA	PVC23	0.360	
63	M63	15.0	56.0	54.6	65.9	2.0	2.5	80.0	88.4	30.0	63CWe1RA	PVC25	0.344	
75S	M75	15.0	62.0	59.0	72.1	2.0	2.5	89.0	101.6	32.0	75SCWe1RA	PVC28	0.466	
75	M75	15.0	68.0	66.7	78.5	2.5	3.0	99.0	96.1	32.0	75CWe1RA	PVC30	0.395	
90	M90	15.0	80.0	76.2	90.4	3.0	3.5	114.0	123.1	44.0	90CWe1RA	PVC32	1.346	
100	M100	15.0	91.0	86.1	101.5	3.15	4.0	123.0	132.8	48.0	100CWe1RA	LSF33	1.575	
115	M115	15.0	98.0	101.5	110.3	3.15	4.0	133.4	144.1	55.0	115CWe1RA	LSF34	2.322	
130	M130	15.0	115.0	114.2	123.0	3.15	4.0	146.1	157.8	62.0	130CWe1RA	LSF35	3.400	

Dimensions are displayed in millimetres unless otherwise stated

NOTE: * CMP SOLO LSF Halogen Free Shrouds also available on request. + Alternative armour clamping range available for non-standard armour sizes. #Other materials and finishes are available. IEC Ex and ATEX hazardous area certification marking included as standard. Please consult CMP for any other requirements.

Cable Gland Size	Standard Metric Entry Threads "C"	Minimum Thread Length "E"	Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Armour Range +		Across Flats "A"	Across Corners "B"	Protrusion Length "F"	Ordering Reference (Brass Metric)	PVC Shroud Reference *	Cable Gland Weight (Ozs)
			Max	Min	Max	Min	Max	Max	Max					
20S/16	M20	0.591	0.343	0.240	0.453	0.035	0.039	0.945	1.020	0.827	20S16CWe1RA	PVC04	1.90	
20S	M20	0.591	0.461	0.374	0.626	0.035	0.049	0.945	1.020	0.827	20SCWe1RA	PVC04	1.90	
20	M20	0.591	0.551	0.492	0.823	0.035	0.049	1.201	1.295	0.945	20CWe1RA	PVC06	2.08	
25S	M25	0.591	0.787	0.551	0.866	0.049	0.063	1.476	1.594	1.024	25SCWe1RA	PVC09	3.95	
25	M25	0.591	0.787	0.717	1.031	0.049	0.063	1.476	1.594	1.024	25CWe1RA	PVC09	4.52	
32	M32	0.591	1.035	0.933	1.335	0.063	0.079	1.811	1.957	1.063	32CWe1RA	PVC11	4.52	
40	M40	0.591	1.268	1.098	1.591	0.063	0.079	2.165	2.339	1.102	40CWe1RA	PVC15	5.93	
50S	M50	0.591	1.504	1.386	1.839	0.079	0.098	2.362	2.551	1.142	50SCWe1RA	PVC18	7.90	
50	M50	0.591	1.736	1.591	2.091	0.079	0.098	2.756	2.976	1.181	50CWe1RA	PVC21	8.15	
63S	M63	0.591	1.969	1.795	2.339	0.079	0.098	2.953	3.189	1.181	63SCWe1RA	PVC23	12.70	
63	M63	0.591	2.205	2.150	2.594	0.079	0.098	3.150	3.480	1.181	63CWe1RA	PVC25	12.13	
75S	M75	0.591	2.441	2.323	2.839	0.079	0.098	3.504	4.000	1.260	75SCWe1RA	PVC28	16.44	
75	M75	0.591	2.677	2.626	3.091	0.098	0.118	3.898	3.783	1.260	75CWe1RA	PVC30	13.93	
90	M90	0.591	3.150	3.000	3.559	0.118	0.138	4.488	4.846	1.732	90CWe1RA	PVC32	47.48	
100	M100	0.591	3.583	3.390	3.996	0.124	0.157	4.843	5.228	1.890	100CWe1RA	LSF33	55.56	
115	M115	0.591	3.858	3.996	4.343	0.124	0.157	5.252	5.673	2.165	115CWe1RA	LSF34	81.91	
130	M130	0.591	4.528	4.496	4.843	0.124	0.157	5.752	6.213	2.441	130CWe1RA	LSF35	119.93	

Dimensions are displayed in inches unless otherwise stated

NOTE: * CMP SOLO LSF Halogen Free Shrouds also available on request. + Alternative armour clamping range available for non-standard armour sizes. #Other materials and finishes are available. IEC Ex and ATEX hazardous area certification marking included as standard. Please consult CMP for any other requirements.



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TECHNICAL DATA

GOST R Certificate Number	POCC GB.HO06.B00207
GOST R Code of Protection Category	Ex e II / DIP A21
GOST R Compliance Standards	ГОСТ P 52350.0-2005, ГОСТ P 52350.1-2005, ГОСТ P 52350.7-2005, ГОСТ МЭК 61241-1-1-99
GOST GGTN Permit	PPC 00-40706
GOST K Certificate Number	KZ 75000361 01 01 14761
RoK Permit For Use Number	19-02-UL-1957
Lloyds Approval No.	01/00171
DNV Approval No.	E-10496
ABS Approval No.	01-LD234401B/1-PDA
INMETRO Approval Certificate No.	MC-AEX-7617-X
INMETRO Code of Protection Category	BR - Ex e II / IP66W
INMETRO Compliance Standards	IEC 60079-0/00, IEC 60079-7/01, NBE IEC 60529/05
NEPSI Certificate Number	GYJ081070
NEPSI Code of Protection Category	Ex e II, DIP A21 TA
NEPSI Compliance Standards	GB3836.1/2/3-2000, GB3836.8-2003, GB12476.1-2000
RETIE Approval Number	03866
Type	CWe
Design Specification	BS 6121:Part 1:1989 , EN 50262:1999 , UL 514B
IEC Ex Certification Detail	IECEx SIR 06.0042X
IEC Code of Protection Category	Ex e II, Ex nR II, Ex tD A21 IP66
IEC Compliance Standards	IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 61241-0, IEC 61241-1
ATEX Certification Detail	SIRA06ATEX1097X , SIRA07ATEX4326X
ATEX Code of Protection Category	ATEX II 2 GD, Ex e II, Ex tD A21 IP66
EN Compliance Standards	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, IEC 61241-0, IEC 61241-1
Continuous Operating Temperature	-60°C to +130°C
Ingress Protection Rating	IP66, IP67, IP68
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Aluminium, Stainless Steel
Seal Material	CMP SOLO LSF Thermoplastic Elastomer
Cable Type	Single Wire Armour (SWA), Aluminium Wire Armour (AWA)
Armour Clamping	Reversible Armour Cone & AnyWay Universal Clamping Ring
Sealing Technique	CMP Inner Compensating Displacement Seal System (CDS) & Outer Load Retention Seal (LRS)
Sealing Area(s)	Cable Inner Bedding & Outer Cable Sheath
Accessories	Adaptor/Reducer , Earth Tag , Locknut , Serrated Washer , Entry Thread Seal , Shroud

