

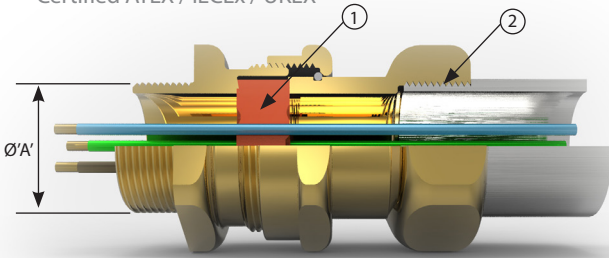


SB/474

Flameproof, Increased Safety, Dust Protection & Restricted Breathing
Certified ATEX / IECEx / UKEX



International Approvals



- 1 Provides a barrier seal to the individual insulated cores within the cable and prevents entry of the products of an explosion into the cable. The required number of holes for the cores are punched in the seal by a special tool to suit core size.
- 2 Female running coupler for cable gland or conduit entry. Can be used to upgrade standard non-barrier gland into a flameproof Exd barrier gland.

For outdoor or indoor use, the SB474 is also for particular use with cables that are not effectively filled, compact and/or circular, have tape bedding or have hygroscopic fillers. Also, with cables that exhibit 'Cold Flow' characteristics.

Cable Gland Selection Table

Size Ref.	Entry Thread Size 'A'				Approx Length	Hexagon Dimensions ¹	
	Male		Female			Across Flats	Across Corners
	Metric	NPT* Standard or Option	Metric	NPT# Standard or Option			
A	M20	¾" or ½"	M20	¾" or ½"	69	30.0	32.5
B	M25	1" or ¾"	M25	1" or ¾"	61	36.0	39.5
C	M32	1¼" or 1"	M32	1¼" or 1"	61.95	46.0	50.5

All dimensions in millimetres (except * where dimensions are in inches). Metric entry threads are 1.5mm pitch as standard, 15mm length of thread.

¹ Hexagon dimensions as shown may increase to accommodate non-metric female threads
² Other thread types available upon request

Technical Data

Material Options	Manufactured in Brass, Nickel Plated Brass or 316L Stainless Steel
Ingress Protection	IP66, IP67 and IP68 (30 metres for 7 days, special instructions apply) to IEC/EN 60529 and NEMA 4X
Enclosure Protection	IK10 to IEC 62262
Deluge Protection	to DTS01
Operating Temperature	-60°C to +80°C
Applications	Suitable for use in Zone 1, Zone 21, Zone 2 and Zone 22

Approvals

ATEX/IECEx Protection Class	Ex II 2GD Ex db IIC Gb; Ex eb IIC Gb; Ex nR IIC Gc, Ex tb IIIC Db
ATEX Certificate No	CML 19ATEX1167X CML 19ATEX4507X (Ex nR)
IECEx Certificate No	CML 19.0045X CML 21.0012X (Ex nR)
UKEX Certificate No	CML 21UKEX1161X CML 21UKEX4133X (Ex nR)
Construction & Test Standards	IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7, IEC/EN 60079-15 and IEC/EN 60079-31
Additional Certifications	EAC: No EA3C RU C-GB.HA91.B.00264/21 EQM: 20-11-27224/Q20-11-000979/NB0007 Inmetro: IEx 14.0272X PESO: P450038

Cable Gland Size for Core Size and Number

Max No of Cores	Cores Cross Sectional Area mm ²				
	1.5	2.5	4	6	10
7	A & B	A & B	B & C	C	C
4	-	-	-	B	-
3	-	-	-	-	B

Punch Tool Size Details

Punch Ref	No. 1	No. 2	No. 3
Cores C.S.A.mm2	1.5 - 2.5	4.0 - 6.0	10

Ordering Information

To select the correct size punch tool, please see table. Format for ordering is as follows:

Cable Gland Type	Size	Male Thread	Female Thread	Material	Punch Tool Required
SB/474	C	M32	M32	Brass	Punch Tool No 1
SB/474	C	1¼" NPT	1¼" NPT	Brass	Punch Tool No 1

Order Example: SB/474 C M32/M32 Brass