



# 478

Insulated Adaptor



Insulated adaptor used for converting dissimilar or similar thread forms or thread sizes, and insulating the cable gland entry from the equipment. Suitable for use in Flameproof, Increased Safety and Mining applications.

## Technical Data

Ingress Protection	IP66
Operating Temperature	-55°C to +95°C
Construction Materials	Manufactured in Brass (Standard), Nickel Plated Brass or 316L Stainless Steel Polymer Insulating Material
Threadform	M20 to M75* 1/2" to 3" NPT

\*Metric Thread Length 15mm as standard; Metric Thread Pitch 1.5mm as standard

### Approvals

Applications	Suitable for Use in Zone 1, Zone 21, Zone 2, Zone 22 and mining applications
Protection Class	Ex II 2GD Ex db eb IIC Gb; Ex tb IIIC Db Ex I M2 Ex db eb I Mb
Construction & Test Standards	IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7 and IEC/EN 60079-31
ATEX Certificate No	Baseefa 12ATEX0207X
UKEx Certificate No	BAS21UKEX0060X
IECEX Certificate Number	BAS12.0111X
Additional Certifications	EAC: No EA3C RU C-GB.HA91.B.00265/21 Inmetro: IEx 15.0193X

### NEC/CEC

NEC Protection Class	Class 1 Zone 1 AEx d e IIC Gb Zone 21 AEx tb IIIC Db
CEC Protection Class	Ex db IIC Gb; Ex eb IIC Gb; Ex tb IIIC Db
c CSA us Certificate	2700364
Construction & Test Standards	CSA C22.2 No 25, No 30, No 45, No 94, No 18.3, CSA/UL 60079-0, CSA/UL 60079-1, CSA/UL 60079-7, CSA/UL 60079-31, UL514B

## Size Selection

Alternative combinations and NPT threadforms also available

Male Thread Size	Female Thread Size	Across Flats (mm)	Across Corners (mm)
M20	M20	36.0	39.5
M25	M25	46.0	50.5
M32	M32	55.0	60.6
M40	M40	65.0	70.5
M50	M50	80.0	88.0
M63	M63	95.0	104.0
M75	M75	106.4	115.0

## Ordering Information

If brass is required please omit material selection

Format for ordering is as follows: Thread configuration should state (A) Adaptor or (R) Reducer

Product	Thread Configuration	Male Thread Size	Female Thread Size	Material
478	A	M25	M32	NP

Part code example - 478AM25M32NP

Please note all NPT entries should be state as a decimal