



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	FIDI 24ATEX0040X
IECEx Certificate Number	FIDI24.0009X
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

Product design and specifications are subject to change without notice. Please check the Hawke website for latest specifications



A Hubbell brand