



















Enlargers, reducers and thread converters

Convertors and accessories

Our comprehensive range of adaptors and reducers provides a method of matching threadforms on hazardous area approved equipment while ensuring the integrity and approval of the installation is maintained.

Manufactured in the UK, this range of converters meets the latest ATEX/IECEX and CSA/UL standards. This means that all the standards are marked on the product around the main body. This allows for them to be seen easily once installed, a key component of the new standard.

Metric – Technical specification

		Certification and standards	Male external thread	M16
	   	Connector description: EX – Brass EXN – Nickel-plated brass EXS – Stainless steel 316 Certification standard: Baseefa07 ATEX 0247X, IECEX BAS07.0090X Class I Div1 ABCD, Class II Div1 EFG (does not include M16 and 3/8" NPT or unplated brass products) Approved to UL Approved to CSA	M16	–
	 		M20	EX/M20-M16/R
	   		M25	EX/M25-M16/R
	   		M32	EX/M32-M16/R
	 		M40	EX/M40-M16/R
	M50	EX/M50-M16/R		
			M63	EX/M63-M16/R
			M75	EX/M75-M16/R
			PG9	EX/PG9-M16/TC
			PG11	EX/PG11-M16/TC
			PG13	EX/PG13-M16/TC
			PG16	EX/PG16-M16/TC
			PG21	EX/PG21-M16/TC
			PG29	EX/PG29-M16/TC
			PG36	EX/PG36-M16/TC
			PG42	EX/PG42-M16/TC
			PG48	EX/PG48-M16/TC
			NPT 3/8	EX/038-M16/TC
			NPT 1/2	EX/050-M16/TC
			NPT 3/4	EX/075-M16/TC
			NPT 1	EX/100-M16/TC
			NPT 1 1/4	EX/125-M16/TC
			NPT 1 1/2	EX/150-M16/TC
			NPT 2	EX/200-M16/TC
			NPT 2 1/2	EX/250-M16/TC
			NPT 3	EX/300-M16/TC

Enlargers, reducers and thread convertors

Enlargers (/E) are used where the thread size of the female side of the device is larger than the male side.

Reducers (/R) are used where the thread size of the female side of device is smaller than the male side.

Thread convertors (/TC) are used where a conversion is required between thread types, e.g. metric to PG.

ABB enlargers, reducers and thread convertors are designed for hazardous area applications and are certified to protection concepts Exd "Flameproof" and Exe "Increased Safety" for use in Zone 1, 2, 2.1, 2.2 applications. Under NEC Class I Div1 ABCD Class II Div1 EFG.



















Metric female internal thread						
M20	M25	M32	M40	M50	M63	M75
EX/M16-M20/E	EX/M16-M25/E	-	-	-	-	-
-	EX/M20-M25/E	EX/M20-M32/E	-	-	-	-
EX/M25-M20/R	-	EX/M25-M32/E	EX/M25-M40/E	-	-	-
EX/M32-M20/R	EX/M32-M25/R	-	EX/M32-M40/E	EX/M32-M50/E	-	-
EX/M40-M20/R	EX/M40-M25/R	EX/M40-M32/R	-	EX/M40-M50/E	EX/M40-M63/E	-
EX/M50-M20/R	EX/M50-M25/R	EX/M50-M32/R	EX/M50-M40/R	-	EX/M50-M63/E	EX/M50-M75/E
EX/M63-M20/R	EX/M63-M25/R	EX/M63-M32/R	EX/M63-M40/R	EX/M63-M50/R	-	EX/M63-M75/E
EX/M75-M20/R	EX/M75-M25/R	EX/M75-M32/R	EX/M75-M40/R	EX/M75-M50/R	EX/M75-M63/R	-
EX/PG9-M20/TC	-	-	-	-	-	-
EX/PG11-M20/TC	-	-	-	-	-	-
EX/PG13-M20/TC	-	-	-	-	-	-
EX/PG16-M20/TC	EX/PG16-M25/TC	-	-	-	-	-
EX/PG21-M20/TC	EX/PG21-M25/TC	EX/PG21-M32/TC	-	-	-	-
EX/PG29-M20/TC	EX/PG29-M25/TC	EX/PG29-M32/TC	EX/PG29-M40/TC	-	-	-
EX/PG36-M20/TC	EX/PG36-M25/TC	EX/PG36-M32/TC	EX/PG36-M40/TC	EX/PG36-M50/TC	-	-
EX/PG42-M20/TC	EX/PG42-M25/TC	EX/PG42-M32/TC	EX/PG42-M40/TC	EX/PG42-M50/TC	EX/PG42-M63/TC	-
EX/PG48-M20/TC	EX/PG48-M25/TC	EX/PG48-M32/TC	EX/PG48-M40/TC	EX/PG48-M50/TC	EX/PG48-M63/TC	-
-	-	-	-	-	-	-
EX/050-M20/TC	EX/050-M25/TC	-	-	-	-	-
EX/075-M20/TC	EX/075-M25/TC	EX/075-M32/TC	-	-	-	-
EX/100-M20/TC	EX/100-M25/TC	EX/100-M32/TC	EX/100-M40/TC	-	-	-
EX/125-M20/TC	EX/125-M25/TC	EX/125-M32/TC	EX/125-M40/TC	EX/125-M50/TC	-	-
EX/150-M20/TC	EX/150-M25/TC	EX/150-M32/TC	EX/150-M40/TC	EX/150-M50/TC	EX/150-M63/TC	-
EX/200-M20/TC	EX/200-M25/TC	EX/200-M32/TC	EX/200-M40/TC	EX/200-M50/TC	EX/200-M63/TC	-
EX/250-M20/TC	EX/250-M25/TC	EX/250-M32/TC	EX/250-M40/TC	EX/250-M50/TC	-	-
EX/300-M20/TC	EX/300-M25/TC	EX/300-M32/TC	EX/300-M40/TC	EX/300-M50/TC	-	EX/300-M75/TC

Enlargers, reducers and thread convertors

NPT ¾	NPT 1	NPT 1¼	NPT 1½	NPT 2	NPT female internal thread	
					NPT 2½	NPT 3
-	-	-	-	-	-	-
EX/M20-075/TC	-	-	-	-	-	-
EX/M25-075/TC	EX/M25-100/TC	-	-	-	-	-
EX/M32-075/TC	EX/M32-100/TC	EX/M32-125/TC	-	-	-	-
EX/M40-075/TC	EX/M40-100/TC	EX/M40-125/TC	EX/M40-150/TC	-	-	-
EX/M50-075/TC	EX/M50-100/TC	EX/M50-125/TC	EX/M50-150/TC	EX/M50-200/TC	-	-
EX/M63-075/TC	EX/M63-100/TC	EX/M63-125/TC	EX/M63-150/TC	EX/M63-200/TC	-	-
EX/M75-075/TC	EX/M75-100/TC	EX/M75-125/TC	EX/M75-150/TC	EX/M75-200/TC	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
EX/PG16-075/TC	-	-	-	-	-	-
EX/PG21-075/TC	EX/PG21-100/TC	-	-	-	-	-
EX/PG29-075/TC	EX/PG29-100/TC	EX/PG29-125/TC	EX/PG29-150/TC	-	-	-
EX/PG36-075/TC	EX/PG36-100/TC	EX/PG36-125/TC	EX/PG36-150/TC	-	-	-
EX/PG42-075/TC	EX/PG42-100/TC	EX/PG42-125/TC	EX/PG42-150/TC	EX/PG42-200/TC	-	-
EX/PG48-075/TC	EX/PG48-100/TC	EX/PG48-125/TC	EX/PG48-150/TC	EX/PG48-200/TC	-	-
EX/050-075/E	-	-	-	-	-	-
-	EX/075-100/E	-	-	-	-	-
EX/100-075/R	-	EX/100-125/E	-	-	-	-
EX/125-075/R	EX/125-100/R	-	EX/125-150/E	-	-	-
EX/150-075/R	EX/150-100/R	EX/150-125/R	-	EX/150-200/E	-	-
EX/200-075/R	EX/200-100/R	EX/200-125/R	EX/200-150/R	-	-	-
EX/250-075/R	EX/250-100/R	EX/250-125/R	EX/250-150/R	EX/250-200/R	-	EX/250-300/E
EX/300-075/R	EX/300-100/R	EX/300-125/R	EX/300-150/R	EX/300-200/R	EX/300-250/R	-

Enlargers, reducers and thread convertors

PG – Technical specification

	Certification and standards	Male external thread	PG9	PG11
                 	Connector description: EX – Brass EXN – Nickel-plated brass EXS – Stainless steel 316 Certification standard: Baseefa07 ATEX 0247X, IECEx BAS07.0090X Class I Div1 ABCD, Class II Div1 EFG (does not include M16 and 3/8" NPT or unplated brass products) Approved to UL Approved to CSA	M16	EX/M16-PG9/TC	EX/M16-PG11/TC
	M20	EX/M20-PG9/TC	EX/M20-PG11/TC	
	M25	EX/M25-PG9/TC	EX/M25-PG11/TC	
	M32	EX/M32-PG9/TC	EX/M32-PG11/TC	
	M40	EX/M40-PG9/TC	EX/M40-PG11/TC	
	M50	EX/M50-PG9/TC	EX/M50-PG11/TC	
	M63	EX/M63-PG9/TC	EX/M63-PG11/TC	
	M75	EX/M75-PG9/TC	EX/M75-PG11/TC	
	PG11	EX/PG11-PG9/R	–	
	PG13	EX/PG13-PG9/R	EX/PG13-PG11/R	
	PG16	EX/PG16-PG9/R	EX/PG16-PG11/R	
	PG21	EX/PG21-PG9/R	EX/PG21-PG11/R	
	PG29	EX/PG29-PG9/R	EX/PG29-PG11/R	
	PG36	EX/PG36-PG9/R	EX/PG36-PG11/R	
	PG42	EX/PG42-PG9/R	EX/PG42-PG11/R	
	PG48	EX/PG48-PG9/R	EX/PG48-PG11/R	
	NPT 1/2	EX/050-PG9/TC	EX/050-PG11/TC	
NPT 3/4	EX/075-PG9/TC	EX/075-PG11/TC		
NPT 1	EX/100-PG9/TC	EX/100-PG11/TC		
NPT 1 1/4	EX/125-PG9/TC	EX/125-PG11/TC		
NPT 1 1/2	EX/150-PG9/TC	EX/150-PG11/TC		
NPT 2	EX/200-PG9/TC	EX/200-PG11/TC		

Enlargers, reducers and thread convertors

							PG female internal thread	
PG13	PG16	PG21	PG29	PG36	PG42	PG48		
EX/M16-PG13/TC	-	-	-	-	-	-	-	-
EX/M20-PG13/TC	EX/M20-PG16/TC	-	-	-	-	-	-	-
EX/M25-PG13/TC	EX/M25-PG16/TC	EX/M25-PG21/TC	-	-	-	-	-	-
EX/M32-PG13/TC	EX/M32-PG16/TC	EX/M32-PG21/TC	EX/M32-PG29/TC	-	-	-	-	-
EX/M40-PG13/TC	EX/M40-PG16/TC	EX/M40-PG21/TC	EX/M40-PG29/TC	EX/M40-PG36/TC	-	-	-	-
EX/M50-PG13/TC	EX/M50-PG16/TC	EX/M50-PG21/TC	EX/M50-PG29/TC	EX/M50-PG36/TC	EX/M50-PG42/TC	-	-	-
EX/M63-PG13/TC	EX/M63-PG16/TC	EX/M63-PG21/TC	EX/M63-PG29/TC	EX/M63-PG36/TC	EX/M63-PG42/TC	EX/M63-PG48/TC	-	-
EX/M75-PG13/TC	EX/M75-PG16/TC	EX/M75-PG21/TC	EX/M75-PG29/TC	EX/M75-PG36/TC	EX/M75-PG42/TC	EX/M75-PG48/TC	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
EX/PG16-PG13/R	-	EX/P16-PG21/E	-	-	-	-	-	-
EX/PG21-PG13/R	EX/PG21-PG16/R	-	EX/PG21-PG29/E	-	-	-	-	-
EX/PG29-PG13/R	EX/PG29-PG16/R	EX/PG29-PG21/R	-	EX/PG29-PG36/E	-	-	-	-
EX/PG36-PG13/R	EX/PG36-PG16/R	EX/PG36-PG21/R	EX/PG36-PG29/R	-	EX/PG36-PG48/E	-	-	-
EX/PG42-PG13/R	EX/PG42-PG16/R	EX/PG42-PG21/R	EX/PG42-PG29/R	EX/PG42-PG36/R	-	EX/PG42-PG48/E	-	-
EX/PG48-PG13/R	EX/PG48-PG16/R	EX/PG48-PG21/R	EX/PG48-PG29/R	EX/PG48-PG36/R	EX/PG48-PG42/R	-	-	-
EX/050-PG13/TC	EX/050-PG16/TC	-	-	-	-	-	-	-
EX/075-PG13/TC	EX/075-PG16/TC	EX/075-PG21/TC	-	-	-	-	-	-
EX/100-PG13/TC	EX/100-PG16/TC	EX/100-PG21/TC	EX/100-PG29/TC	-	-	-	-	-
EX/125-PG13/TC	EX/125-PG16/TC	EX/125-PG21/TC	EX/125-PG29/TC	EX/125-PG36/TC	-	-	-	-
EX/150-PG13/TC	EX/150-PG16/TC	EX/150-PG21/TC	EX/150-PG29/TC	EX/150-PG36/TC	EX/150-PG42/TC	-	-	-
EX/200-PG13/TC	EX/200-PG16/TC	EX/200-PG21/TC	EX/200-PG29/TC	EX/200-PG36/TC	EX/200-PG42/TC	EX/200-PG48/TC	-	-