



Thread Convertors

Enlargers, reducers & convertors



Approvals / Characteristics



Features

- Adaptors and Reducers provide a method of matching threadforms on hazardous approved equipment whilst ensuring the integrity and approval of the installation is maintained

Certification & Standards

Certification Standard:
 ATEX: Baseefa07 ATEX 0247X,
 IECEx: IECEx BAS07.0090X
 GOST R: POCC GB.ГБ05.В03850
 INMETRO: TÜV 11.0339X
 Ex d IIC Gb
 Ex e IIC Gb
 Ex tb IIIC Db
 Class I Div1 ABCD, Class II Div1 EFG
 (does not include M16 & 3/8"NPT or unplated brass products)
 Approved to UL 1203
 Approved to CSA C22.2 No.60079-04
 Approved to C22.2 No.60079-1



NPT - Technical Specification

Male External Thread	NPT Female Internal Thread							
	NPT 1/2	NPT 3/4	NPT 1	NPT 1 1/4	NPT 1 1/2	NPT 2	NPT 2 1/2	NPT 3
M16	EX/M16-050/TC							
M20	EX/M20-050/TC	EX/M20-075/TC						
M25	EX/M25-050/TC	EX/M25-075/TC	EX/M25-100/TC					
M32	EX/M32-050/TC	EX/M32-075/TC	EX/M32-100/TC	EX/M32-125/TC				
M40	EX/M40-050/TC	EX/M40-075/TC	EX/M40-100/TC	EX/M40-125/TC	EX/M40-150/TC			
M50	EX/M50-050/TC	EX/M50-075/TC	EX/M50-100/TC	EX/M50-125/TC	EX/M50-150/TC	EX/M50-200/TC		
M63	EX/M63-050/TC	EX/M63-075/TC	EX/M63-100/TC	EX/M63-125/TC	EX/M63-150/TC	EX/M63-200/TC		
M75	EX/M75-050/TC	EX/M75-075/TC	EX/M75-100/TC	EX/M75-125/TC	EX/M75-150/TC	EX/M75-200/TC		
PG9	EX/PG9-050/TC							
PG11	EX/PG11-050/TC							
PG13	EX/PG13-050/TC							
PG16	EX/PG16-050/TC	EX/PG16-075/TC						
PG21	EX/PG21-050/TC	EX/PG21-075/TC	EX/PG21-100/TC					
PG29	EX/PG29-050/TC	EX/PG29-075/TC	EX/PG29-100/TC	EX/PG29-125/TC	EX/PG29-150/TC			
PG36	EX/PG36-050/TC	EX/PG36-075/TC	EX/PG36-100/TC	EX/PG36-125/TC	EX/PG36-150/TC			
PG42	EX/PG42-050/TC	EX/PG42-075/TC	EX/PG42-100/TC	EX/PG42-125/TC	EX/PG42-150/TC	EX/PG42-200/TC		
PG48	EX/PG48-050/TC	EX/PG48-075/TC	EX/PG48-100/TC	EX/PG48-125/TC	EX/PG48-150/TC	EX/PG48-200/TC		
NPT 1/2		EX/050-075/E						
NPT 3/4	EX/075-050/R		EX/075-100/E					
NPT 1	EX/100-050/R	EX/100-075/R		EX/100-125/E				
NPT 1 1/4	EX/125-050/R	EX/125-075/R	EX/125-100/R		EX/125-150/E			
NPT 1 1/2	EX/150-050/R	EX/150-075/R	EX/150-100/R	EX/150-125/R		EX/150-200/E		
NPT 2	EX/200-050/R	EX/200-075/R	EX/200-100/R	EX/200-125/R	X/200-150/R			
NPT 2 1/2	EX/250-050/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
NPT 3	EX/300-050/R	EX/300-075/R	EX/300-100/R	EX/300-125/R	EX/300-150/R	EX/300-200/R	EX/300-250/R	

*For Nickel Plated Brass version, add N to the reference, e.g. EXNIM20-M16/R

**For Stainless Steel 316 version, add S to the reference, e.g. EXSIM20-M16/R

PG - Technical Specification

Male External Thread	PG Female Internal Thread								
	PG9	PG11	PG13	PG16	PG21	PG29	PG36	PG42	PG48
M16	EX/M16-PG9/TC	EX/M16-PG11/TC	EX/M16-PG13/TC						
M20	EX/M20-PG9/TC	EX/M20-PG11/TC	EX/M20-PG13/TC	EX/M20-PG16/TC					
M25	EX/M25-PG9/TC	EX/M25-PG11/TC	EX/M25-PG13/TC	EX/M25-PG16/TC	EX/M25-PG21/TC				
M32	EX/M32-PG9/TC	EX/M32-PG11/TC	EX/M32-PG13/TC	EX/M32-PG16/TC	EX/M32-PG21/TC	EX/M32-PG29/TC			
M40	EX/M40-PG9/TC	EX/M40-PG11/TC	EX/M40-PG13/TC	EX/M40-PG16/TC	EX/M40-PG21/TC	EX/M40-PG29/TC	EX/M40-PG36/TC		
M50	EX/M50-PG9/TC	EX/M50-PG11/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	
M63	EX/M63-PG9/TC	EX/M63-PG11/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
M75	EX/M75-PG9/TC	EX/M75-PG11/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
PG11	EX/PG11-PG9/R								
PG13	EX/PG13-PG9/R	EX/PG13-PG11/R							
PG16	EX/PG16-PG9/R	EX/PG16-PG11/R	EX/PG16-PG13/R		EX/P16-PG21/E				
PG21	EX/PG21-PG9/R	EX/PG21-PG11/R	EX/PG21-PG13/R	EX/PG21-PG16/R		EX/PG21-PG29/E			
PG29	EX/PG29-PG9/R	EX/PG29-PG11/R	EX/PG29-PG13/R	EX/PG29-PG16/R	EX/PG29-PG21/R		EX/PG29-PG36/E		
PG36	EX/PG36-PG9/R	EX/PG36-PG11/R	EX/PG36-PG13/R	EX/PG36-PG16/R	EX/PG36-PG21/R	EX/PG36-PG29/R		EX/PG36-PG48/E	
PG42	EX/PG42-PG9/R	EX/PG42-PG11/R	EX/PG42-PG13/R	EX/PG42-PG16/R	EX/PG42-PG21/R	EX/PG42-PG29/R	EX/PG42-PG36/R		EX/PG42-PG48/E
PG48	EX/PG48-PG9/R	EX/PG48-PG11/R	EX/PG48-PG13/R	EX/PG48-PG16/R	EX/PG48-PG21/R	EX/PG48-PG29/R	EX/PG48-PG36/R	EX/PG48-PG42/R	
NPT 1/2	EX/050-PG9/TC	EX/050-PG11/TC	EX/050-PG13/TC	EX/050-PG16/TC					
NPT 3/4	EX/075-PG9/TC	EX/075-PG11/TC	EX/075-PG13/TC	EX/075-PG16/TC	EX/075-PG21/TC				
NPT 1	EX/100-PG9/TC	EX/100-PG11/TC	EX/100-PG13/TC	EX/100-PG16/TC	EX/100-PG21/TC	EX/100-PG29/TC			
NPT 1 1/4	EX/125-PG9/TC	EX/125-PG11/TC	EX/125-PG13/TC	EX/125-PG16/TC	EX/125-PG21/TC	EX/125-PG29/TC	EX/125-PG36/TC		
NPT 1 1/2	EX/150-PG9/TC	EX/150-PG11/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	
NPT 2	EX/200-PG9/TC	EX/200-PG11/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

*For Nickel Plated Brass version, add N to the reference, e.g. EXN/M20-M16/R

**For Stainless Steel 316 version, add S to the reference, e.g. EXS/M20-M16/R

Connector Description:

EX - Brass

EXN - Nickel Plated Brass

EXS - Stainless Steel 316

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.

Our comprehensive range of Adaptors and Reducers provide a method of matching threadforms on hazardous area approved equipment whilst ensuring the integrity and approval of the installation is maintained.

Manufactured in the UK, this new range of converters meets the latest ATEX / IECEx & 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.

Kopex's Enlargers, Reducers and thread converters 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.



EFDC Range 122



GUV Range 120



XB100 Range 104

Related Products