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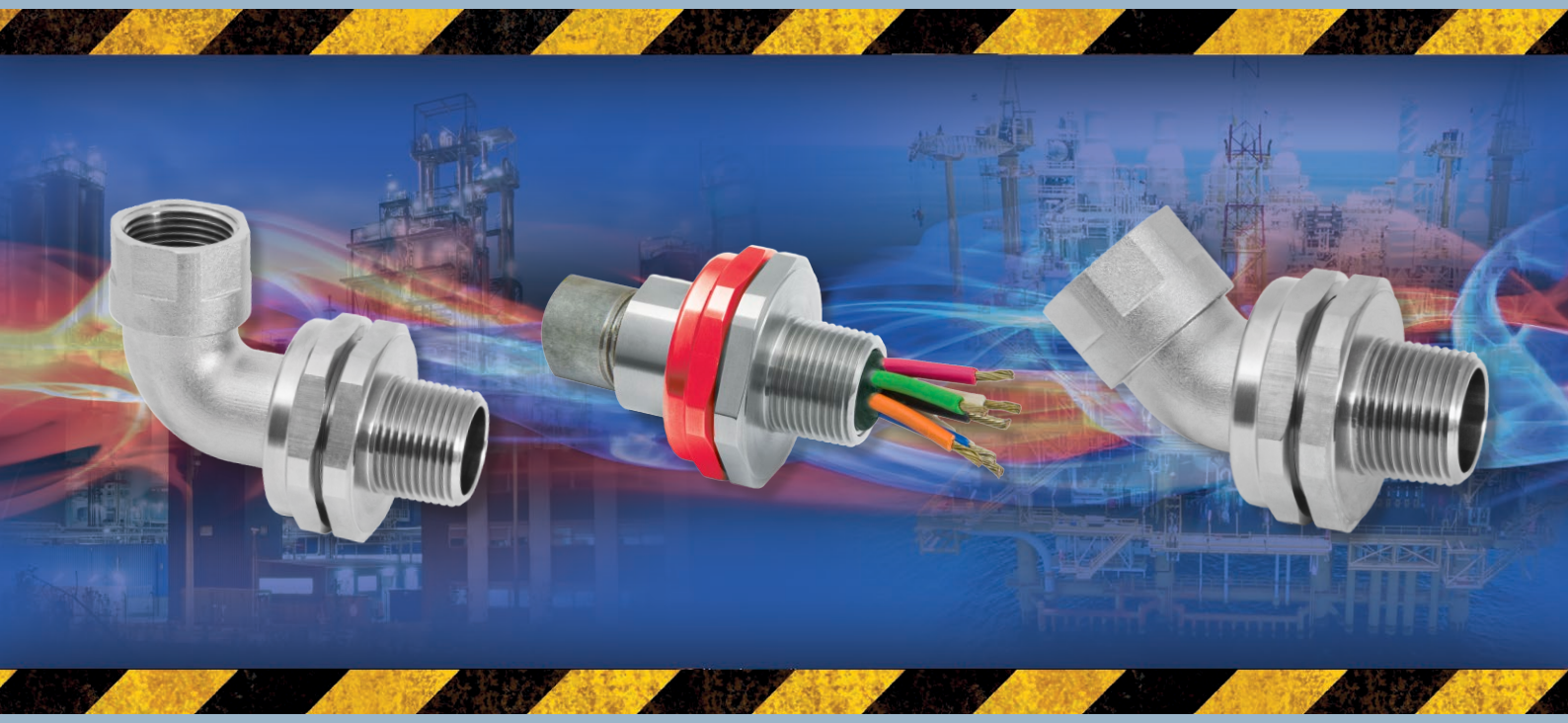
NEW Dual Certified Ex d & Ex e

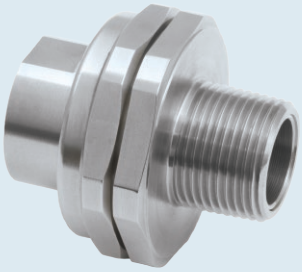
UNIONS

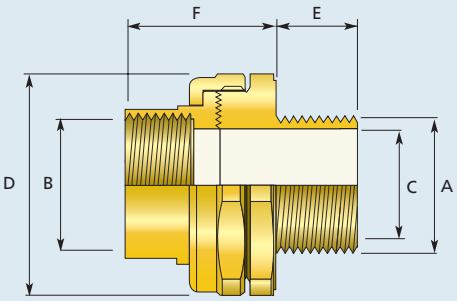


Multi Angle Unions for Explosive Atmospheres

CMP PRODUCTS

780 SERIES
Inline Union





Union Type 780 with Flameproof Ex d IIC & Increased Safety Ex e II forms of protection.

The CMP Type 780 Metallic Union is designed to allow connection of rigid and flexible conduit, or terminated Cable Glands, to any fixed equipment. The 780 Union provides a running connection by means of an integral coupling arrangement that eliminates the need to rotate the conduit, or cable, or equipment to achieve a correct termination.

The ease of installation offered by the 780 Union consequently makes the process of removing the conduit or other terminated cable entry device from the equipment a simple, fast and effective one.

Available in Brass, Electroless Nickel Plated Brass, Aluminium or Stainless Steel these Unions are approved for use in conjunction with Class I, Div 1 and 2, Ex d and Ex e certified equipment and cable entry devices, and can also be supplied with thread conversion between the forward and rear threads to either a reduced size or a variety of different thread types, e.g. Metric to NPT, or NPT to metric.

A General Purpose Industrial version is also available.

Male-to-Male thread option available

Available with an integral 'O' Ring seal. For such options please add the suffix letter 'R' after the type number in the ordering reference above, e.g. 780RDM2M2.

Technical Data	
Type	780
ATEX Certification	SIRA10ATEX1306U
Code of Protection	Ⓔx II 2 GD Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X Ⓔx IM2 Ex d I Mb / Ex e I Mb
Compliance Standards	EN 60079-0,1,7,31
IEC Ex Certificate	IECEx SIR 10.0148U
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex d I Mb, Ex e I Mb, Ex ta IIIC Da IP6X
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	1055233
Code of Protection	Class I, Div 1 & 2, Groups A,B,C,D ; Enclosure type 4X : Class I, Zone 1, AEx de II ; Ex de II
Compliance Standards	C22.2 No.0,0.5,30,94, CAN/CSA E60079-0,1,7, CAN/CSA E61241-1, UL Std 50, 1203, UL 60079-0,1,7
EAC Certificate (Formally GOST R, K & B)	ТС C-GB.ГБ05.B00138
Code of Protection	Ex d IIC Gb U, Ex e IIC Gb U, Ex ta IIIC Da U
NEPSI Certificate	GYJ13.1142X
Code of Protection	Ex d IIC Gb
Compliance Standards	GB3836.1,2,3
Continuous Operating Temperature	-60°C to +200°C
Ingress Protection Rating	IP66
Available Materials	Brass (standard), Electroless Nickel Plated Brass, Aluminium, Stainless Steel

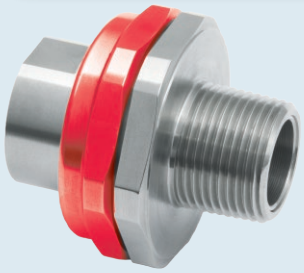
Product Selection Table

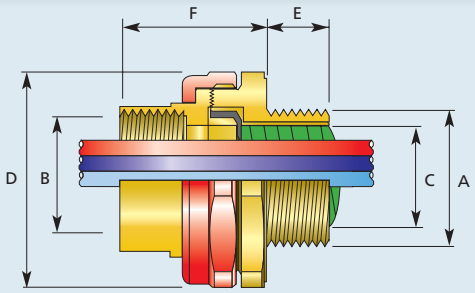
METRIC				NPT								
Ordering Reference (Brass, Metric)	Male Forward Thread Size 'A'	Minimum Thread Length 'E'	Female Rear Thread Size 'B'	Ordering Reference (Brass, NPT)	Male Forward NPT Thread Size 'A'	Minimum NPT Thread Length 'E' (in)	Female Rear Thread Size 'B'	Bore Diameter 'C'	Max Protrusion Length 'F'	Across Flats Hex 'D'	Across Corners Ø 'D'	Installation Torque (Nm)
780DM2M2	M20 X 1.5	15.0	M20 X 1.5	780DT1T1	1/2"	0.79	1/2"	14.3	36.0	41.0	45.1	7
780DM3M3	M25 X 1.5	15.0	M25 X 1.5	780DT2T2	3/4"	0.79	3/4"	20.1	36.0	46.0	50.6	10
780DM4M4	M32 X 1.5	15.0	M32 X 1.5	780DT3T3	1"	0.98	1"	26.4	36.0	52.0	57.2	15
780DM5M5	M40 X 1.5	15.0	M40 X 1.5	780DT4T4	1-1/4"	1.00	1-1/4"	32.6	36.0	60.0	66.0	25
780DM6M6	M50 X 1.5	15.0	M50 X 1.5	780DT5T5	1-1/2"	1.06	1-1/2"	44.2	36.0	70.0	77.0	30
780DM7M7	M63 X 1.5	15.0	M63 X 1.5	780DT6T6	2"	1.57	2"	56.1	36.0	79.0	86.9	45
780DM8M8	M75 X 1.5	15.0	M75 X 1.5	780DT7T7	2-1/2"	1.57	2-1/2"	68.1	41.0	89.9	98.9	45
780DM9M9	M90 X 2.0	24.0	M90 X 2.0	780DT8T8	3"	1.63	3"	80.1	41.0	110.0	121.0	45

All dimensions shown are in millimetres unless otherwise stated

For material options please add the following suffix to the Ordering Reference; Brass (no suffix required), Nickel Plated Brass "5", 316 Grade Stainless Steel "4", Copper Free Aluminium "1"

PX780REX SERIES
Inline Barrier Union





RAPID Ex *Ordered seperately

Barrier Union Type PX780REX with Flameproof Ex d IIC & Increased Safety Ex e II forms of protection.

The CMP Type PX780REX RapidEx Metallic Barrier Union is designed to allow connection of rigid and flexible conduit, or terminated Cable Glands, to any fixed equipment. The PX780REX Union provides a running connection by means of an integral coupling arrangement that eliminates the need to rotate the conduit, or cable, or equipment to achieve a correct termination.

The PX780REX also incorporates a barrier compartment. The ease of installation offered by the PX780REX Barrier Union consequently makes the process of removing the conduit or other terminated cable entry device from the equipment a simple, fast and effective one.

Available in Brass, Electroless Nickel Plated Brass, Aluminium or Stainless Steel these Barrier Unions are approved for use in conjunction with Class I, Div 1 and 2, Ex d and Ex e certified equipment and cable entry devices, and can also be supplied with thread conversion between the forward and rear threads to either a reduced size or a variety of different thread types, e.g. Metric to NPT, or NPT to metric.

Male-to-Male thread option available

Available with an integral 'O' Ring seal. For such options please add the suffix letter 'R' after the type number in the ordering reference above, e.g. PX780REXRDM2M2.

For epoxy compound version please remove 'REX' from ordering reference

Technical Data	
Type	PX780REX
ATEX Certification	SIRA10ATEX1306U
Code of Protection	Ex II 2 GD Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X Ex IM2 Ex d I Mb / Ex e I Mb
Compliance Standards	EN 60079-0,1,7,31
IEC Ex Certificate	IECEx SIR 10.0148U
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex d I Mb, Ex e I Mb, Ex ta IIIC Da IP6X
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	1055233
Code of Protection	Class I, Div 1 & 2, Groups A,B,C,D ; Enclosure type 4X : Class I, Zone 1, AEx de II ; Ex de II
Compliance Standards	C22.2 No.0,0.5,30,94, CAN/CSA E60079-0,1,7, CAN/CSA E61241-1, UL Std 50, 1203, UL 60079-0,1,7
EAC Certificate (Formally GOST R, K & B)	ТС C-GB.ГБ05.B00138
Code of Protection	Ex d IIC Gb U, Ex e IIC Gb U, Ex ta IIIC Da U
Continuous Operating Temperature	-60°C to +85°C
Ingress Protection Rating	IP66
Available Materials	Brass (standard), Electroless Nickel Plated Brass, Aluminium, Stainless Steel

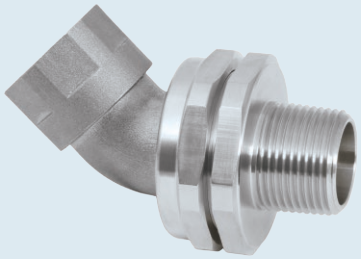
Product Selection Table

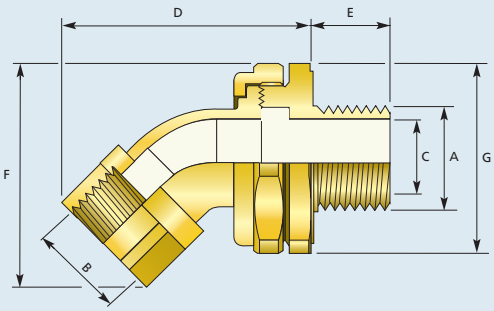
METRIC				NPT									
Ordering Reference (Brass, Metric)	Male Forward Thread Size 'A'	Minimum Thread Length 'E'	Female Rear Thread Size 'B'	Ordering Reference (Brass, NPT)	Male Forward NPT Thread Size 'A'	Minimum NPT Thread Length 'E' (in)	Female Rear Thread Size 'B'	Diameter Over Cores 'C'	Max. Number of Cores	Postrusion Length 'F'	Across Flats Hex 'D'	Across Corners Ø 'D'	Installation Torque (Nm)
PX780REXDM2M2	M20 X 1.5	15.0	M20 X 1.5	PX780REXDT1T1	1/2"	0.79	1/2"	12.6	11	36.0	46.0	50.6	7
PX780REXDM3M3	M25 X 1.5	15.0	M25 X 1.5	PX780REXDT2T2	3/4"	0.79	3/4"	17.5	21	36.0	50.0	55.0	10
PX780REXDM4M4	M32 X 1.5	15.0	M32 X 1.5	PX780REXDT3T3	1"	0.98	1"	23.6	38	36.0	60.0	66.0	15
PX780REXDM5M5	M40 X 1.5	15.0	M40 X 1.5	PX780REXDT4T4	1-1/4"	1.00	1-1/4"	30.0	59	36.0	65.0	71.5	25
PX780REXDM6M6	M50 X 1.5	15.0	M50 X 1.5	PX780REXDT5T5	1-1/2"	1.06	1-1/2"	41.0	59	36.0	75.0	82.5	30
PX780REXDM7M7	M63 X 1.5	15.0	M63 X 1.5	PX780REXDT6T6	2"	1.57	2"	53.7	89	36.0	90.0	99.0	45
PX780REXDM8M8	M75 X 1.5	15.0	M75 X 1.5	PX780REXDT7T7	2-1/2"	1.57	2-1/2"	64.3	115	39.0	100.0	110.0	45
PX780REXDM9M9	M90 X 2.0	24.0	M90 X 2.0	PX780REXDT8T8	3"	1.63	3"	75.3	140	42.0	120.0	132.0	45

All dimensions shown are in millimetres unless otherwise stated

For material options please add the following suffix to the Ordering Reference; Brass (no suffix required), Nickel Plated Brass "5", 316 Grade Stainless Steel "4", Copper Free Aluminium "1"

784 SERIES
45° Union





Union With 45° Bend Type 784 with Flameproof Ex d IIC & Increased Safety Ex e II forms of protection.

The CMP Type 784 Metallic Union is designed to allow connection of rigid and flexible conduit, or terminated Cable Glands, to any fixed equipment. The 784 Union provides a running connection at an angle of 45° by means of an integral coupling arrangement that eliminates the need to rotate the conduit, or cable, or equipment to achieve a correct termination.

The ease of installation offered by the 784 Union consequently makes the process of removing the conduit or other terminated cable entry device from the equipment a simple, fast and effective one.

Available in Brass, Electroless Nickel Plated Brass, Aluminium or Stainless Steel these Unions are approved for use in conjunction with Class I, Div 1 and 2, Ex d and Ex e certified equipment and cable entry devices, and can also be supplied with thread conversion between the forward and rear threads to either a reduced size or a variety of different thread types, e.g. Metric to NPT, or NPT to metric.

A General Purpose Industrial version is also available.

If 2 separate enclosures are required to be connected together please contact CMP

Male-to-Male thread option available

Available with an integral 'O' Ring seal. For such options please add the suffix letter 'R' after the type number in the ordering reference above, e.g. 784RDM2M2.

Technical Data	
Type	784
ATEX Certification	SIRA10ATEX1306U
Code of Protection	Ⓔx II 2 GD Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X Ⓔx IM2 Ex d I Mb / Ex e I Mb
Compliance Standards	EN 60079-0,1,7,31
IEC Ex Certificate	IECEx SIR 10.0148U
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex d I Mb, Ex e I Mb, Ex ta IIIC Da IP6X
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	1055233
Code of Protection	Class I, Div 1 & 2, Groups A,B,C,D ; Enclosure type 4X : Class I, Zone 1, AEx de II ; Ex de II
Compliance Standards	C22.2 No.0,0.5,30,94, CAN/CSA E60079-0,1,7, CAN/CSA E61241-1, UL Std 50, 1203, UL 60079-0,1,7
EAC Certificate (Formally GOST R, K & B)	ТС C-GB.ГБ05.B00138
Code of Protection	Ex d IIC Gb U, Ex e IIC Gb U, Ex ta IIIC Da U
NEPSI Certificate	GYJ13.1142X
Code of Protection	Ex d IIC Gb
Compliance Standards	GB3836.1,2,3
Continuous Operating Temperature	-60°C to +200°C
Ingress Protection Rating	IP66
Available Materials	Brass (standard), Electroless Nickel Plated Brass, Aluminium, Stainless Steel

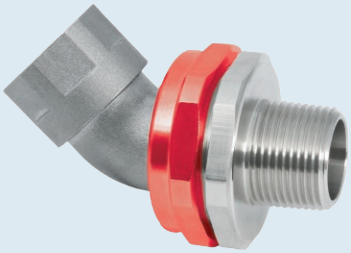
Product Selection Table

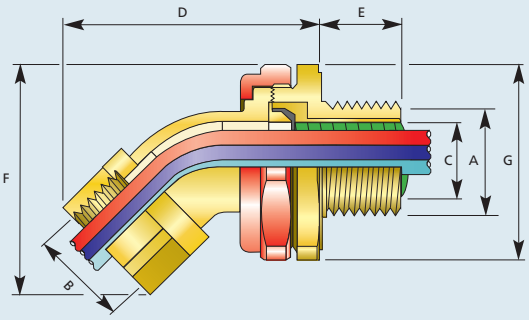
METRIC				NPT				Bore Diameter 'C'	Max Protrusion Length 'D'	Max Overhang Length 'F'	Across Flats Hex 'G'	Across Corners Ø 'G'	Installation Torque (Nm)
Ordering Reference (Brass, Metric)	Male Forward Thread Size 'A'	Minimum Thread Length 'E'	Female Rear Thread Size 'B'	Ordering Reference (Brass, NPT)	Male Forward NPT Thread Size 'A'	Minimum NPT Thread Length 'E' (in)	Female Rear Thread Size 'B'						
784DM2M2	M20 X 1.5	15.0	M20 X 1.5	784DT1T1	1/2"	0.79	1/2"	14.3	61.0	56.0	46.0	50.6	7
784DM3M3	M25 X 1.5	15.0	M25 X 1.5	784DT2T2	3/4"	0.79	3/4"	20.1	66.0	62.0	50.0	55.0	10
784DM4M4	M32 X 1.5	15.0	M32 X 1.5	784DT3T3	1"	0.98	1"	26.4	70.0	70.0	60.0	66.0	15
784DM5M5	M40 X 1.5	15.0	M40 X 1.5	784DT4T4	1-1/4"	1.00	1-1/4"	32.6	75.0	77.0	65.0	71.5	25
784DM6M6	M50 X 1.5	15.0	M50 X 1.5	784DT5T5	1-1/2"	1.06	1-1/2"	44.2	94.0	88.0	75.0	82.5	30
784DM7M7	M63 X 1.5	15.0	M63 X 1.5	784DT6T6	2"	1.57	2"	56.1	103.0	103.0	90.0	99.0	45

All dimensions shown are in millimetres unless otherwise stated

For material options please add the following suffix to the Ordering Reference; Brass (no suffix required), Nickel Plated Brass "5", 316 Grade Stainless Steel "4", Copper Free Aluminium "1"

PX784REX SERIES
45° Barrier Union





RAPID Ex *Ordered seperately

Barrier Union with 45° bend Type PX784REX with Flameproof Ex d IIC & Increased Safety Ex e II forms of protection.

The CMP Type PX784REX Metallic Barrier Union is designed to allow connection of rigid and flexible conduit, or terminated Cable Glands, to any fixed equipment at a 45° angle. The PX784REX Union provides a running connection by means of an integral coupling arrangement that eliminates the need to rotate the conduit, or cable, or equipment to achieve a correct termination.

The PX784REX also incorporates a barrier compartment. The ease of installation offered by the PX784REX Barrier Union consequently makes the process of removing the conduit or other terminated cable entry device from the equipment a simple, fast and effective one.

Available in Brass, Electroless Nickel Plated Brass, Aluminium or Stainless Steel these Barrier Unions are approved for use in conjunction with Class I, Div 1 and 2, Ex d and Ex e certified equipment and cable entry devices, and can also be supplied with thread conversion between the forward and rear threads to either a reduced size or a variety of different thread types, e.g. Metric to NPT, or NPT to metric.

If 2 separate enclosures are required to be connected together please contact CMP

Male-to-Male thread option available

Available with an integral 'O' Ring seal. For such options please add the suffix letter 'R' after the type number in the ordering reference above, e.g. PX784REXRDM2M2.

For epoxy compound version please remove 'REX' from ordering reference

Technical Data

Type	PX784REX
ATEX Certification	SIRA10ATEX1306U
Code of Protection	Ⓔx II 2 GD Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X Ⓔx IM2 Ex d I Mb / Ex e I Mb
Compliance Standards	EN 60079-0,1,7,31
IEC Ex Certificate	IECEx SIR 10.0148U
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex d I Mb, Ex e I Mb, Ex ta IIIC Da IP6X
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	1055233
Code of Protection	Class I, Div 1 & 2, Groups A,B,C,D ; Enclosure type 4X : Class I, Zone 1, AEx de II ; Ex de II
Compliance Standards	C22.2 No.0,0.5,30,94, CAN/CSA E60079-0,1,7, CAN/CSA E61241-1, UL Std 50, 1203, UL 60079-0,1,7
EAC Certificate (Formally GOST R, K & B)	ТС C-GB.ГБ05.B00138
Code of Protection	Ex d IIC Gb U, Ex e IIC Gb U, Ex ta IIIC Da U
Continuous Operating Temperature	-60°C to +85°C
Ingress Protection Rating	IP66
Available Materials	Brass (standard), Electroless Nickel Plated Brass, Aluminium, Stainless Steel

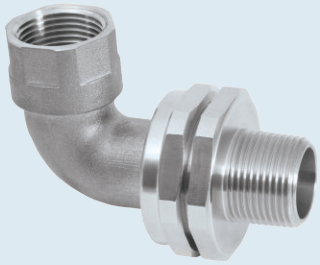
Product Selection Table

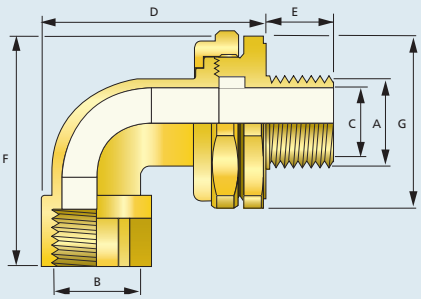
METRIC				NPT										
Ordering Reference (Brass, Metric)	Male Forward Thread Size 'A'	Minimum Thread Length 'E'	Female Rear Thread Size 'B'	Ordering Reference (Brass, NPT)	Male Forward NPT Thread Size 'A'	Minimum NPT Thread Length 'E' (in)	Female Rear Thread Size 'B'	Diameter over Cores 'C'	Max. number of Cores	Max Protrusion Length 'D'	Max Overhang Length 'F'	Across Flats Hex 'G'	Across Corners Ø 'G'	Installation Torque (Nm)
PX784REXDM2M2	M20 X 1.5	15.0	M20 X 1.5	PX784REXDT1T1	1/2"	0.79	1/2"	12.6	11	61.0	56.0	46.0	50.6	7
PX784REXDM3M3	M25 X 1.5	15.0	M25 X 1.5	PX784REXDT2T2	3/4"	0.79	3/4"	17.5	21	66.0	62.0	50.0	55.0	10
PX784REXDM4M4	M32 X 1.5	15.0	M32 X 1.5	PX784REXDT3T3	1"	0.98	1"	23.6	38	70.0	70.0	60.0	66.0	15
PX784REXDM5M5	M40 X 1.5	15.0	M40 X 1.5	PX784REXDT4T4	1-1/4"	1.00	1-1/4"	30.0	59	75.0	77.0	65.0	71.5	25
PX784REXDM6M6	M50 X 1.5	15.0	M50 X 1.5	PX784REXDT5T5	1-1/2"	1.06	1-1/2"	41.0	59	94.0	88.0	75.0	82.5	30
PX784REXDM7M7	M63 X 1.5	15.0	M63 X 1.5	PX784REXDT6T6	2"	1.57	2"	53.7	89	103.0	103.0	90.0	99.0	45

All dimensions shown are in millimetres unless otherwise stated

For material options please add the following suffix to the Ordering Reference; Brass (no suffix required), Nickel Plated Brass "5", 316 Grade Stainless Steel "4", Copper Free Aluminium "1"

789 SERIES
90° Union





Union With 90° Bend Type 789 with Flameproof Ex d IIC & Increased Safety Ex e II forms of protection.

The CMP Type 789 Metallic Union is designed to allow connection of rigid and flexible conduit, or terminated Cable Glands, to any fixed equipment. The 789 Union provides a running connection at an angle of 90° by means of an integral coupling arrangement that eliminates the need to rotate the conduit, or cable, or equipment to achieve a correct termination.

The ease of installation offered by the 789 Union consequently makes the process of removing the conduit or other terminated cable entry device from the equipment a simple, fast and effective one.

Available in Brass, Electroless Nickel Plated Brass, Aluminium or Stainless Steel these Unions are approved for use in conjunction with Class I, Div 1 and 2, Ex d and Ex e certified equipment and cable entry devices, and can also be supplied with thread conversion between the forward and rear threads to either a reduced size or a variety of different thread types, e.g. Metric to NPT, or NPT to metric.

A General Purpose Industrial version is also available.

If 2 separate enclosures are required to be connected together please contact CMP

Male-to-Male thread option available

Available with an integral 'O' Ring seal. For such options please add the suffix letter 'R' after the type number in the ordering reference above, e.g. 789RDM2M2.

Technical Data	
Type	789
ATEX Certification	SIRA10ATEX1306U
Code of Protection	Ⓔx II 2 GD Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X Ⓔx IM2 Ex d I Mb / Ex e I Mb
Compliance Standards	EN 60079-0,1,7,31
IEC Ex Certificate	IECEx SIR 10.0148U
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex d I Mb, Ex e I Mb, Ex ta IIIC Da IP6X
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	1055233
Code of Protection	Class I, Div 1 & 2, Groups A,B,C,D ; Enclosure type 4X : Class I, Zone 1, AEx de II ; Ex de II
Compliance Standards	C22.2 No.0,0.5,30,94, CAN/CSA E60079-0,1,7, CAN/CSA E61241-1, UL Std 50, 1203, UL 60079-0,1,7
EAC Certificate (Formally GOST R, K & B)	TC C-GB.ГБ05.B00138
Code of Protection	Ex d IIC Gb U, Ex e IIC Gb U, Ex ta IIIC Da U
NEPSI Certificate	GYJ13.1142X
Code of Protection	Ex d IIC Gb
Compliance Standards	GB3836.1,2,3
Continuous Operating Temperature	-60°C to +200°C
Ingress Protection Rating	IP66
Available Materials	Brass (standard), Electroless Nickel Plated Brass, Aluminium, Stainless Steel

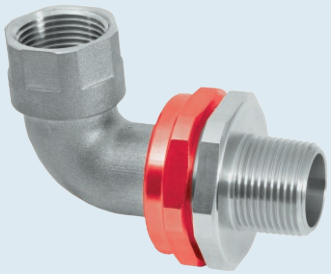
Product Selection Table

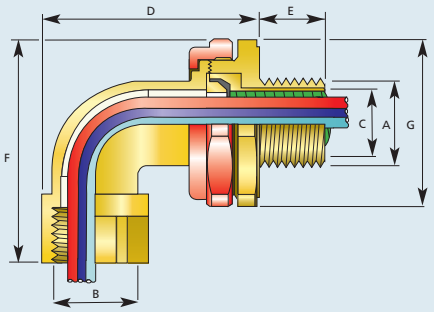
METRIC				NPT				Bore Diameter 'C'	Max Protrusion Length 'D'	Max Overhang Length 'F'	Across Flats Hex 'G'	Across Corners Ø 'G'	Installation Torque (Nm)
Ordering Reference (Brass, Metric)	Male Forward Thread Size 'A'	Minimum Thread Length 'E'	Female Rear Thread Size 'B'	Ordering Reference (Brass, NPT)	Male Forward NPT Thread Size 'A'	Minimum NPT Thread Length 'E' (in)	Female Rear Thread Size 'B'						
789DM2M2	M20 X 1.5	15.0	M20 X 1.5	789DT1T1	1/2"	0.79	1/2"	14.3	63.0	64.0	46.0	50.6	7
789DM3M3	M25 X 1.5	15.0	M25 X 1.5	789DT2T2	3/4"	0.79	3/4"	20.1	71.0	70.0	50.0	55.0	10
789DM4M4	M32 X 1.5	15.0	M32 X 1.5	789DT3T3	1"	0.98	1"	26.4	76.0	78.0	60.0	66.0	15
789DM5M5	M40 X 1.5	15.0	M40 X 1.5	789DT4T4	1-1/4"	1.00	1-1/4"	32.6	84.0	85.0	65.0	71.5	25
789DM6M6	M50 X 1.5	15.0	M50 X 1.5	789DT5T5	1-1/2"	1.06	1-1/2"	44.2	96.0	97.0	75.0	82.5	30
789DM7M7	M63 X 1.5	15.0	M63 X 1.5	789DT6T6	2"	1.57	2"	56.1	109.0	115.0	90.0	99.0	45

All dimensions shown are in millimetres unless otherwise stated

For material options please add the following suffix to the Ordering Reference; Brass (no suffix required), Nickel Plated Brass "5", 316 Grade Stainless Steel "4", Copper Free Aluminium "1"

PX789REX SERIES
90 ° Barrier Union





RAPID Ex *Ordered seperately

Barrier Union with 90° bend Type PX789REX with Flameproof Ex d IIC & Increased Safety Ex e II forms of protection.

The CMP Type PX789REX Metallic Barrier Union is designed to allow connection of rigid and flexible conduit, or terminated Cable Glands, to any fixed equipment at a 90° angle. The PX789REX Union provides a running connection by means of an integral coupling arrangement that eliminates the need to rotate the conduit, or cable, or equipment to achieve a correct termination.

The PX789REX also incorporates a barrier compartment. The ease of installation offered by the PX789REX Barrier Union consequently makes the process of removing the conduit or other terminated cable entry device from the equipment a simple, fast and effective one.

Available in Brass, Electroless Nickel Plated Brass, Aluminium or Stainless Steel these Barrier Unions are approved for use in conjunction with Class I, Div 1 and 2, Ex d and Ex e certified equipment and cable entry devices, and can also be supplied with thread conversion between the forward and rear threads to either a reduced size or a variety of different thread types, e.g. Metric to NPT, or NPT to metric.

If 2 separate enclosures are required to be connected together please contact CMP

Male-to-Male thread option available

Available with an integral 'O' Ring seal. For such options please add the suffix letter 'R' after the type number in the ordering reference above, e.g. 7PX89REXRDM2M2.

For epoxy compound version please remove 'REX' from ordering reference

Technical Data

Type	PX789REX
ATEX Certification	SIRA10ATEX1306U
Code of Protection	Ex II 2 GD Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X Ex IM2 Ex d I Mb / Ex e I Mb
Compliance Standards	EN 60079-0,1,7,31
IEC Ex Certificate	IECEx SIR 10.0148U
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex d I Mb, Ex e I Mb, Ex ta IIIC Da IP6X
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	1055233
Code of Protection	Class I, Div 1 & 2, Groups A,B,C,D ; Enclosure type 4X : Class I, Zone 1, AEx de II ; Ex de II
Compliance Standards	C22.2 No.0,0.5,30,94, CAN/CSA E60079-0,1,7, CAN/CSA E61241-1, UL Std 50, 1203, UL 60079-0,1,7
EAC Certificate (Formally GOST R, K & B)	ТС C-GB.ГБ05.B00138
Code of Protection	Ex d IIC Gb U, Ex e IIC Gb U, Ex ta IIIC Da U
Continuous Operating Temperature	-60°C to +85°C
Ingress Protection Rating	IP66
Available Materials	Brass (standard), Electroless Nickel Plated Brass, Aluminium, Stainless Steel

Product Selection Table

METRIC				NPT										
Ordering Reference (Brass, Metric)	Male Forward Thread Size 'A'	Minimum Thread Length 'E'	Female Rear Thread Size 'B'	Ordering Reference (Brass, NPT)	Male Forward NPT Thread Size 'A'	Minimum NPT Thread Length 'E' (in)	Female Rear Thread Size 'B'	Diameter over Cores 'C'	Max. number of Cores	Max Protrusion Length 'D'	Max Overhang Length 'F'	Across Flats Hex 'G'	Across Corners Ø 'G'	Installation Torque (Nm)
PX789REXDM2M2	M20 X 1.5	15.0	M20 X 1.5	PX789REXDT1T1	1/2"	0.79	1/2"	12.6	11	63.0	64.0	46.0	50.6	7
PX789REXDM3M3	M25 X 1.5	15.0	M25 X 1.5	PX789REXDT2T2	3/4"	0.79	3/4"	17.5	21	71.0	70.0	50.0	55.0	10
PX789REXDM4M4	M32 X 1.5	15.0	M32 X 1.5	PX789REXDT3T3	1"	0.98	1"	23.6	38	76.0	78.0	60.0	66.0	15
PX789REXDM5M5	M40 X 1.5	15.0	M40 X 1.5	PX789REXDT4T4	1-1/4"	1.00	1-1/4"	30.0	59	84.0	85.0	65.0	71.5	25
PX789REXDM6M6	M50 X 1.5	15.0	M50 X 1.5	PX789REXDT5T5	1-1/2"	1.06	1-1/2"	41.0	59	96.0	97.0	75.0	82.5	30
PX789REXDM7M7	M63 X 1.5	15.0	M63 X 1.5	PX789REXDT6T6	2"	1.57	2"	53.7	89	109.0	115.0	90.0	99.0	45

All dimensions shown are in millimetres unless otherwise stated

For material options please add the following suffix to the Ordering Reference; Brass (no suffix required), Nickel Plated Brass "5", 316 Grade Stainless Steel "4", Copper Free Aluminium "1"

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