

Ex certified reducers / adapters

REDUCER / ADAPTER - METRIC - SELECTION TABLE

MALE	FEMALE												
	M12	M16	M20	M25	M32	M40	M50	M63	M75	M80	M90	M100	M110
M12	CAP745324	CAP745334	CAP741034										
M16	CAP745834	CAP740014	CAP740274	CAP741064									
M20	CAP745844	CAP740024	CAP740284	CAP740544	CAP740804								
M25	CAP746594	CAP740034	CAP740294	CAP740554	CAP740814	CAP741134							
M32	CAP746604	CAP740044	CAP740304	CAP740564	CAP740824	CAP741084	CAP741914						
M40	CAP746614	CAP740054	CAP740314	CAP740574	CAP740834	CAP741094	CAP741354	CAP743644					
M50	CAP746624	CAP740064	CAP740324	CAP740584	CAP740844	CAP741104	CAP741364	CAP741624	CAP745114				
M63	CAP746634	CAP740074	CAP740334	CAP740594	CAP740854	CAP741114	CAP741374	CAP741634	CAP741894	CAP746944			
M75	CAP746644	CAP740084	CAP740344	CAP740604	CAP740864	CAP741124	CAP741384	CAP741644	CAP741904	CAP742414	CAP745394		
M80	CAP746654	CAP746694	CAP746734	CAP746774	CAP746814	CAP746414	CAP745824	CAP745754	CAP748074	CAP742424	CAP746074	CAP746334	
M90	CAP746664	CAP746704	CAP746744	CAP746784	CAP747914	CAP746854	CAP746384	CAP745854	CAP745864	CAP745464	CAP745474	CAP745484	CAP746344
M100	CAP746674	CAP746714	CAP747894	CAP746794	CAP747924	CAP746864	CAP746394	CAP746364	CAP745874	CAP746194	CAP745914	CAP745494	CAP745554
M110	CAP746684	CAP746724	CAP747904	CAP746804	CAP747934	CAP746874	CAP746404	CAP746374	CAP746354	CAP746204	CAP745924	CAP745934	CAP745564



REDUCER / ADAPTER - METRIC / NPT - SELECTION TABLE

MALE	FEMALE												
	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	
M12	CAP744104	CAP747794	CAP747804										
M16	CAP744184	CAP744194	CAP744694	CAP747814									
M20	CAP744204	CAP744214	CAP744704	CAP744964	CAP747824								
M25	CAP746884	CAP742954	CAP744714	CAP744974	CAP745234	CAP747834							
M32	CAP746894	CAP746984	CAP744724	CAP744984	CAP745244	CAP745504	CAP745764						
M40	CAP746904	CAP746994	CAP744734	CAP744994	CAP745254	CAP745514	CAP745774	CAP747844					
M50	CAP746914	CAP747004	CAP744744	CAP745004	CAP745264	CAP745524	CAP745784	CAP746044	CAP746304				
M63	CAP746924	CAP747014	CAP744754	CAP745014	CAP745274	CAP745534	CAP745794	CAP746054	CAP746314	CAP747854			
M75	CAP746934	CAP747024	CAP744764	CAP745024	CAP745284	CAP745544	CAP745804	CAP746064	CAP746324	CAP746584	CAP747864		
M80	CAP747884	CAP747034	CAP747074	CAP746514	CAP745294	CAP746474	CAP746434	CAP746114	CAP746144	CAP746184	CAP747874	CAP747874	
M90	CAP746954	CAP747044	CAP747084	CAP746524	CAP745304	CAP746554	CAP746444	CAP744284	CAP744294	CAP744304	CAP744314	CAP746264	
M100	CAP746964	CAP747054	CAP747094	CAP746534	CAP745314	CAP746564	CAP746454	CAP746124	CAP743134	CAP746034	CAP744434	CAP744444	
M110	CAP746974	CAP747064	CAP747104	CAP746544	CAP747114	CAP746574	CAP746464	CAP746134	CAP746174	CAP744514	CAP744524	CAP744534	



REDUCER / ADAPTER - NPT / NPT - SELECTION TABLE

MALE	FEMALE												
	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	
1/4"	CAP744574	CAP744584	CAP747704										
3/8"	CAP745574	CAP744614	CAP744624	CAP747714									
1/2"	CAP745584	CAP745594	CAP744874	CAP745134	CAP747724								
3/4"	CAP747124	CAP745604	CAP744884	CAP745144	CAP745404	CAP747734							
1"	CAP747134	CAP747214	CAP744894	CAP745154	CAP745414	CAP745674	CAP745814						
1 1/4"	CAP747144	CAP747224	CAP744904	CAP745164	CAP745424	CAP745684	CAP745944	CAP747744					
1 1/2"	CAP747154	CAP747234	CAP744914	CAP745174	CAP745434	CAP745694	CAP745954	CAP746214	CAP747754				
2"	CAP747164	CAP747244	CAP744924	CAP745184	CAP745444	CAP745704	CAP745964	CAP746224	CAP746484	CAP747764			
2 1/2"	CAP747174	CAP747254	CAP744934	CAP745194	CAP745454	CAP745714	CAP745974	CAP746234	CAP746494	CAP746754	CAP747774		
3"	CAP747184	CAP747264	CAP744944	CAP745204	CAP746084	CAP745724	CAP745984	CAP746244	CAP746504	CAP746764	CAP744634	CAP747784	
3 1/2"	CAP747194	CAP747274	CAP747314	CAP747334	CAP746094	CAP747354	CAP746284	CAP746254	CAP745654	CAP745664	CAP744644	CAP744654	
4"	CAP747204	CAP747284	CAP747324	CAP747344	CAP746104	CAP747364	CAP746294	CAP746824	CAP746274	CAP746834	CAP745734	CAP744774	



REDUCER / ADAPTER - NPT / ISO - SELECTION TABLE

MALE	FEMALE												
	M12	M16	M20	M25	M32	M40	M50	M63	M75	M80	M90	M100	M110
1/4"	CAP740614	CAP740624	CAP747624										
3/8"	CAP740884	CAP740894	CAP740904	CAP747634									
1/2"	CAP740914	CAP740194	CAP740454	CAP740714	CAP747644								
3/4"	CAP747374	CAP740204	CAP740464	CAP740724	CAP740984	CAP747654							
1"	CAP747384	CAP740214	CAP740474	CAP740734	CAP740994	CAP741254	CAP747664						
1 1/4"	CAP747394	CAP740224	CAP740484	CAP740744	CAP741004	CAP741264	CAP741524	CAP747674					
1 1/2"	CAP747404	CAP740234	CAP740494	CAP740754	CAP741014	CAP741274	CAP741534	CAP741794	CAP747684				
2"	CAP747414	CAP740244	CAP740504	CAP740764	CAP741024	CAP741284	CAP741544	CAP741804	CAP742064	CAP747694			
2 1/2"	CAP747424	CAP740254	CAP740514	CAP740774	CAP741144	CAP741294	CAP741554	CAP741814	CAP742074	CAP742074	CAP741154		
3"	CAP747434	CAP740264	CAP740524	CAP740784	CAP741044	CAP741304	CAP741564	CAP741824	CAP742084	CAP747594	CAP741244	CAP741314	
3 1/2"	CAP747444	CAP747464	CAP747484	CAP747504	CAP747524	CAP747544	CAP747564	CAP747584	CAP741434	CAP747604	CAP741444	CAP741454	CAP741494
4"	CAP747454	CAP747474	CAP747494	CAP747514	CAP747534	CAP747554	CAP747574	CAP742404	CAP742394	CAP747614	CAP741584	CAP741594	CAP741604



LAST CODE DIGIT 9: Stainless steel 316L

For a more extensive range of certified thread conversion products, consult our Raxton and Redapt product offering.

LAST CODE DIGIT 7: Aluminum

Technical Specification



Certifications and Compliances

Code of Protection Categories

ATEX: I M2, Ex d IMb, Ex e I Mb, or II G, Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db
IECEX: Ex d I/IIC, Ex e I/IIC, Ex tb IIIC Db,
CSA: Ex d IIC Class 1, Zone 1, AEx d IIC (Brass and Stainless only)
GOST: ExdeI/ICU, ExdeIIICU, ExeIIU
INMETRO: Ex de I/IIC Mb/Gb, Ex tb IIIC Db IP66/67
NEPSI: Ex d II C Gb, Ex e II C Gb, DIP A21 Ta IP6X

Nylon Adaptors only:

ATEX: II 2 GD, Ex e IIC Gb, Ex tb IIIC Db
IECEX: Ex e IIC Gb, Ex tb IIIC Db
GOST: ExeIIU
INMETRO: Ex e IIC Gb, Ex tb IIIC Db IP66/67

Compliance Standards

ATEX / GOST: EN 60079-0:2009, EN 60079-1: 2007, EN 60079-7: 2007, EN 60079-31:2008
INMETRO: ABNT NBR IEC 60079-0:2008, ABNT NBR IEC 60079-1:2009, ABNT NBR IEC 60079-7:2008, ABNT NBR IEC 60079-31:2011
IECEX: IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2006-07
CSA: CAN/CSA-E79-0-95, CAN/CSA-E79-1-95, UL 2279 1997, IEC 60079-0:1998, IEC 60079-1:1998 (Brass and Stainless only)
NEPSI: GB 3836.1-2010, GB 3836.2-2010, GB 3836.3-2010, GB 12476.1-2000

Nylon Adaptors only:
ATEX / GOST: EN 60079-0:2009, EN 60079-7: 2007, EN 60079-31:2009
INMETRO: ABNT NBR IEC 60079-0:2008, ABNT NBR IEC 60079-1:2009, ABNT NBR IEC 60079-7:2008, ABNT NBR IEC 60079-31:2011
IECEX: IEC 60079-0:2007, IEC 60079-7:2006, IEC 60079-31:2008

Certificate Details

ATEX: Sira 10ATEX1225X, Sira 10ATEX3335U
IECEX: IECEX SIR 07.0010X, IECEX SIR 12.0014X
CSA: CSA 200455-1003277 (Brass and Stainless only)
GOST: TC RUC-G B.ГБ06.B.00105
INMETRO: NCC 12.0764X
NEPSI: GYJ13.1313X

TEMPERATURE

The item is classified as a component and therefore metallic products are not given an operating temperature range.
 Nylon temperature range -20°C to 65°C, 'O' ring -30°C to 125°C.
 GF Nylon is UL rated @ H.B. @ 1.5mm.

Ingress Protection (IP):

Independently tested to IP66 / IP68 when fitted in accordance to manufacturer's instructions.

Product Codes

DIGIT 1+2	Code	DIGIT 3	Code	DIGIT 4 & 5 Male				DIGIT 6 & 7 Female		DIGIT 8		DIGIT 9		DIGIT 10	
Description (Adaptors)		Material		Thread Reference				Approval		Special		Plating			
M-F HEX	AB	BRASS	A	M16	11	½" NPT	42	ATEX/IECEX/ INMETRO Ex de	Y	None (standard)	X or blank	None	Blank		
M-F ROUND	AJ	ALUMINIUM	B	M20	12	¾" NPT	43			Customer Special	S	Nickel	N		
		MILD STEEL	C	M25	13	1" NPT	44			For other approvals please see product coding list on page 64				Zinc	Z
		STAINLESS STEEL	E	M32	14	1¼" NPT	45					Chromatised	C		
		GLASS FILLED NYLON	M	M40	15	1½" NPT	46					Special	S		
				M50	16	2" NPT	47								
				M63	17	2½" NPT	48								
				M75	18	3" NPT	49								
				M90	81	3½" NPT	86								
				M100	82	4" NPT	87					Industrial	X or Blank		

Other sizes / threads are available on request



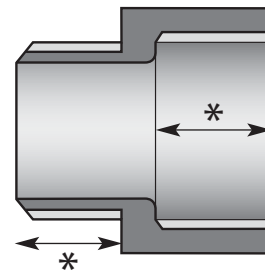
Type AB Hex

Type AJ Round

Product Dimensions

Thread	Metallic Male Thread Max Bore	Nylon Male Thread Max Bore	Metallic Thread A/F (mm)	Nylon Head Dia. (mm)
M16	11.0	8.0	20.8	24.0
M20	14.3	12.5	23.4	27.5
M25	20.5	17.5	27.9	35.5
M32	26.8	24.5	37.6	41.0
M40	33.5	32.5	47.2	50.0
M50	44.0	42.5	56.4	60.0
M63	55.2	53.0	70.1	75.0
M75	66.7	64.0	80.0	85.0
M90	80.0	76.0	105.0	100.0

Adaptors are available for up to two step sizing. e.g. M20 Male x M32 Female



* Minimum 8 full threads parallel 5 full threads taper.

PRODUCT CODING EXAMPLE	Adaptors	Brass	1" NPT(M)	M32(F)	Ex de	PART NUMBER
	AB	A	44	14	Y	= ABA4414Y

Technical Specification



Certifications and Compliances

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IECEX: Ex d I/IIC, Ex e I/IIC, Ex tb IIIC Db
CSA: Ex d IIC Class 1, Zone 1, AEx d IIC (Brass and Stainless only)
GOST: Exdel/IICU, ExdelICU, ExeIIU
INMETRO: Ex de I/IIC Mb/Gb, Ex tb IIIC Db IP66/67
NEPSI: Ex d II C Gb, Ex e II C Gb, DIP A21 Ta IP6X

Nylon Reducers only:

ATEX: II 2 GD, Ex e IIC Gb, Ex tb IIIC Db
IECEX: Ex e IIC Gb, Ex tb IIIC Db
GOST: ExeIIU
INMETRO: Ex e IIC Gb, Ex tb IIIC Db IP66/67

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INMETRO: ABNT NBR IEC 60079-0:2008, ABNT NBR IEC 60079-1:2009, ABNT NBR IEC 60079-7:2008, ABNT NBR IEC 60079-31:2011
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CSA: CAN/CSA-E79-0-95, CAN/CSA-E79-1-95, UL 2279 1997, IEC60079-0:1998, IEC 60079-1:1998
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Nylon Reducers only:

ATEX / GOST: EN 60079-0:2009, EN 60079-7: 2007, EN60079-31:2009
INMETRO: ABNT NBR IEC 60079-0:2008, ABNT NBR IEC 60079-1:2009, ABNT NBR IEC 60079-7:2008, ABNT NBR IEC 60079-31:2011
IECEX: IEC 60079-0:2007, IEC 60079-7:2006, IEC 60079-31:2008

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DIGIT 1+2	Code	DIGIT 3	Code	DIGIT 4 & 5 Male		DIGIT 6 & 7 Female		DIGIT 8		DIGIT 9		DIGIT 10	
Description (Adaptors)		Material		Thread Reference	Thread Reference	Approval	Special	Plating					
M-F HEX	BB	BRASS	A	M16	11	½" NPT	42	ATEX/IECEX/ INMETRO Ex de	Y	None (standard)	X or blank	None	Blank
M-F ROUND	BJ	ALUMINIUM	B	M20	12	¾" NPT	43			Customer Special	S	Nickel	N
		MILD STEEL	C	M25	13	1" NPT	44	For other approvals please see product coding list on page 64				Zinc	Z
		STAINLESS STEEL	E	M32	14	1¼" NPT	45			Chromatised	C		
		GLASS FILLED NYLON	M	M40	15	1½" NPT	46			Special	S		
				M50	16	2" NPT	47						
				M63	17	2½" NPT	48						
				M75	18	3" NPT	49						
				M90	81	3½" NPT	86						
				M100	82	4" NPT	87	Industrial	X or Blank				

Other sizes / threads are available on request

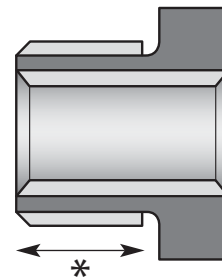


Type BB Hex

Type BJ Round

Product Dimensions

Thread	Metallic Male Thread Max Bore	Nylon Male Thread Max Bore		
M16	20.8	22.0		
M20	23.4	25.0		
M25	27.9	30.0		
M32	37.6	38.0		
M40	47.2	46.0		
M50	56.4	56.0		
M63	70.1	70.0		
M75	80.0	81.0		
M90	105.0	96.0		



* Minimum length of thread 10mm

PRODUCT CODING EXAMPLE

Reducer	Stainless Steel	M32	M25	Ex de	PART NUMBER
BB	E	14	13	Y	= BBE1413Y