

## Data sheet EExd & EExe Adaptors & Reducers

Problems caused by dissimilar threads can occur in both hazardous and industrial environments. Raxton products are fully approved to meet these requirements, being EExd and EExe certified as ATEX, CSA, IECE and GOST Standards.

Adaptors provide a means of connection between dissimilar thread forms or sizes.

Reducers effectively reduce the threaded entry diameter of an enclosure to accept a gland or fitting with a smaller thread. Reducers may also be supplied to accept smaller glands of alternative threads forms.

### NAVIGATION *(click to view)*

- EExd & EExe Adaptors & Reducers
- Thread Conversion Chart
- Part Number System
- About Raxton
- View the Raxton web site
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### Specification

#### EExd approvals

- SIRA 00ATEX1073U
- IECEx SIR07.0010X
- CSA 1003277U
- GOST POCC GB.Mл14.B00104

#### EExe approvals

- SIRA 00ATEX1073U
- IECEx SIR07.0010X
- GOST POCC GB.M л14.B00104

#### Materials

- Brass: BS2874: 1985 CZ121
- Stainless Steel: BS970 PT3 316 S11
- Aluminium Bronze: BS1400 1985 AB2 or BS2874:1986 CA104
- Nylon: 30% Glass filled Nylon 66 (EExe only)
- Mild Steel: BS970 PT3 230M07
- Aluminium: BS1474/1 6082 T4 or T6

#### Quality

- SIRA (0518) 02 ATEX M207
- BVQI EN ISO 9001: 2000

#### Thread specification

- Isometric (ISO) to BS3643:1981 and ISO 965 Pts 1 & 3
- Imperial (ET) to BS31:1940 (1979)
- National Pipe Thread (NPT) to ANSI/ASME:1983
- British Standard Pipe (BSP) to BS21:1985
- Pg to DIN 40430:1971

#### Plating

Nickel, Electro Zinc, Zinc Passivated, Chromatised, Electroless Nickel and Anodised.

## Data sheet Thread Conversion Chart

MALE THREAD					FEMALE THREAD																		
THREADS PER INCH	PITCH	BORE SIZE MAX	MAJOR DIAMETER MM	SIZE	M16 <sup>5/8</sup> ET	M20 <sup>3/4</sup> ET	M25 <sup>1</sup> ET	M32 <sup>1/4</sup> ET	M40 <sup>1/2</sup> ET	M50 <sup>2</sup> ET	M63 <sup>2 1/2</sup> ET	M75 <sup>3</sup> ET	1/2" NPT/BSP	3/4" NPT/BSP	1" NPT/BSP	1 1/4" NPT/BSP	1 1/2" NPT/BSP	2" NPT/BSP	2 1/2" NPT/BSP	3" NPT/BSP	3 1/2" NPT	4" NPT	
16.93	1.5	11.0	16	M16																			
16.93	1.5	15.0	20	M20																			
16.93	1.5	20.5	25	M25																			
16.93	1.5	26.8	32	M32																			
16.93	1.5	33.5	40	M40																			
16.93	1.5	44.0	50	M50																			
16.93	1.5	55.2	63	M63																			
16.93	1.5	66.7	75	M75																			
14	1.81	14.3	21.34	1/2" NPT																			
14	1.81	20.5	26.67	3/4" NPT																			
11 1/2	2.20	26.8	33.40	1" NPT																			
11 1/2	2.20	33.5	42.16	1 1/4" NPT																			
11 1/2	2.20	41.0	48.26	1 1/2" NPT																			
11 1/2	2.20	54.0	60.33	2" NPT																			
8	3.175	64.5	73.03	2 1/2" NPT																			
8	3.175	79.0	88.90	3" NPT																			
8	3.175	90.0	101.60	3 1/2" NPT																			
8	3.175	101.0	114.30	4" NPT																			
14	1.81	P 15.5 T 14.3	20.96	1/2" BSP																			
14	1.81	17.5 16.3	22.91	5/8" BSP																			
14	1.81	21.5 20.0	26.44	3/4" BSP																			
11	2.31	26.8 25.5	33.25	1" BSP																			
11	2.31	35.0 33.0	41.91	1 1/4" BSP																			
11	2.31	41.0 39.0	47.80	1 1/2" BSP																			
11	2.31	53.0 50.0	59.61	2" BSP																			
11	2.31	66.0 62.0	75.18	2 1/2" BSP																			
11	2.31	77.0 73.0	87.88	3" BSP																			

CERTIFIED



Reducers



Adaptors



Not Certified

## Data sheet Part Number System

	DIGIT 1+2	CODE
ADAPTORS	M-F HEX	AB
	M-F ROUND	AJ
	M-M	AR
	F-F HEX	AU
	F-F ROUND	AX
REDUCERS	M-F HEX	BB
	M-F ROUND	BJ
PLUGS	RX	CB
	TAMPERPROOF	CF
	HEX HEAD	CK
	DOME HEAD	CQ
	SLOTTED	CS
	DRAIN	CV
INSULATING AND EARTHING	INSULATED M x F	DB
	INSULATED M x M	DD
	INSULATED F x F	DE
	EARTH LEAD M x F	DG
	EARTH PLATE	DK
EARTH TAG	DM	
CABLE RETENTION	GLAND	EB
	STOPPER BOX M-F	EG
ADAPTING AIDS	STOPPER BOX F-F	EK
	UNION M-F	FB
	UNION F-F	FL
	UNION M-M	FE
	RIGHT ANGLE M-F	FG
	RIGHT ANGLE F-F	FN
	RIGHT ANGLE M-M	FK
LOCKING	LOCKNUTS	GA
	LOCKRINGS	GB
	SERRATED WASHERS	GC
	LOCKNUT CASTELLATED	GD
I.P AIDS	WASHERS	HA
	O RINGS	HB
	SHROUD	HC
ACCESSORIES	MALE BUSH LONG	JA
	MALE BUSH SHORT	JB
	FEMALE BUSH	JC
	NIPPLE	JD
	NIPPLE LONG	JE
	NIPPLE BARREL	JF
	COUPLER ROUND	JG
	COUPLER HEX	JH
COUPLER FLANGE	JJ	

DIGIT 3	CODE
BRASS	A
ALUMINIUM	B
STEEL	C
COPPER & NON-ASB	D
STAINLESS STEEL	E
PVC	F
NYLON BLACK	G
NYLON GREY	H
SILICONE	J
NYLON BLUE	K
LEAD	L
GLASS FILLED NYLON	M
NYLON 66	N
RED FIBRE	U
TEFLON	P
EPDM	Q
NYLON WHITE	R
SPECIAL	S

DIGIT 8	APPROVALS
Atex EExde	A
Atex EExd	D
Atex EExe	E
Mining Group 1	M
CSA © Exd11C	J
CSA (US) Class 1 Zone 1	K
AExd 11C	L
IECEX Exd 1/11C	N
IECEX Exe 1/11	P
IECEX Exd 1/11C and Exe 1/11	R
Gost Exde 11CU	T
Gost Exde 1/11CU	U
Gost Exd11CU	V
Gost Exe11U	W

MALE DIGIT 4 + 5				FEMALE DIGIT 6 + 7			
THREAD REFERENCES AS TABLE BELOW							
ISOMETRIC		NPT		BSP T		BSP P	
SIZE	CODE	SIZE	CODE	SIZE	CODE	SIZE	CODE
M6	01	1/2"	42	1/2"	52		62
M8	02	3/4"	43	3/4"	53		63
M10	03	1"	44	1"	54		64
M12	04	1 1/4"	45	1 1/4"	55		65
M16	11	1 1/2"	46	1 1/2"	56		66
M20	12	2"	47	2"	57		67
M22	07	2 1/2"	48	2 1/2"	58		68
M24	08	3"	49	3"	59		69
M25	13	3 1/2"	86	4"	79		89
M28	09	4"	87	SPECIAL	50		60
M32	14	5"	88				
M38	05						
M40	15						
M50	16						
M63	17						
M75	18						
M80	80						
M90	81						
M100	82						
SPECIAL	10	SPECIAL	40				

Normally male thread is specified first (4+5) Female thread second (6+7) with items then both M-M or F-F sets of digits will be used

Pg & ET thread components are still available please consult sales department for advice.

EXAMPLES					
Adaptor	Brass	1/2"NPT	M20F	EExd	PART NUMBER
AB	A	42	12	D	= ABA4212D
Reducer	GF Nylon	M50 M	1"NPT F	EExe	= BBM1644E
BB	M	16	44	E	
Locknut	Brass	-	M63	-	= GAA0017
GA	A	00	17	●	
Hex Head Plug	ST/ST	2"BSPT	-	GOST EExd 11CU	= CKE5700V
CK	E	57	00	V	

All codes marked  cover products which are not certified or have any associated approvals

## About Raxton

Raxton are suppliers of electrical thread conversion products for hazardous area and industrial applications. Products include adaptors, reducers, stopping plugs and breather drain plugs.



Products are EExd and EExe certified. Approvals include SIR, ATEX, GOST and IECEx.

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## The Raxton product range *(click to view the web site page)*



### EExd

- Adaptors
- Reducers
- Stopping plugs
- Breather drain plugs
- Right angle adaptors
- Unions
- Male to male & female to female adaptors
- Insulated adaptors
- Compound stopper box / adaptor
- **Accessories**

### EExe

- Adaptors
- Reducers
- Earth lead adaptors
- Threaded earth plates
- Breather drain plugs
- Stopping plugs

### Stainless steel cable glands

- AG EExe & EExd
- EW & EX EExe & EExd
- DW & DX EExe & EExd

### ■ Latest information



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