

Nylon adaptor and reducer upgrade from Q2 2018

Improvements to nylon adaptors and reducers in the Raxton accessories offer

Dear customer,

Due to an upgrade of our glass filled nylon adaptors and reducers, we will stop offering **ADE4** adaptors and **RDE4** reducers from Q2 2018. For future needs of nylon adaptors and reducers, **AJ** (adaptor) and **BJ** (reducer) series will be available with the following improved features:

- An extended temperature range from -30°C to +90°C (previously -20°C to +65°C)
- Compliant with the latest ATEX directive 2014/34/EU
- Globally certified with ATEX, IECEx, INMETRO, EAC and CSA
- Improved compact design for quicker and easier installation

Please forward this information to all those in your area who will be affected by this change.

For more information about the AJ and BJ series, please see the datasheets on the following pages or contact our Customer Service team.



Type AJ adaptor



Type BJ reducer

Type AJ and BJ accessories (to supersede ADE4/RDE4 accessories below)



Type ADE4 adaptor



Type RDE4 reducer



Powering Business Worldwide

For more information about Redapt and Raxton products, please contact our Customer Service team on: +44 (0)1922 450400 or email: csaldridge@eaton.com.



Summary of changes



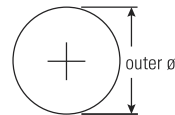
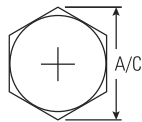
ADE4 / RDE4



AJ / BJ

Raw material	Durethan BKV 30 N1	BKV30FN00
Temperature range	-20°C to +40°C (ATEX) -20°C to +65°C (IECEX)	-30°C to +90°C (ATEX & IECEX)
Compatibility of EN standards	ATEX Directives 94/9/EC	ATEX Directives 2014/34/EU (most recent)
Certifications		

Dimensions



Female	ADE4 A/C (mm)	AJ Outer diameter (mm)
M16	34.50	25.00
M20	34.50	27.50
M25	40.25	35.50
M32	49.45	40.00
M40	57.50	50.00
M50	72.45	60.00
M63	86.25	80.00
Male	RDE4 A/C (mm)	BJ Outer diameter (mm)
M16	40.25	21.00
M20	40.25	25.00
M25	40.25	30.00
M32	49.45	37.00
M40	57.50	45.00
M50	72.45	55.00
M63	86.25	70.00

Glass-filled nylon adaptors and reducers



Type AJ round



Type BJ round



Features

- Allows conversion of thread type or size in existing equipment
- Maintains Ex certification while matching threadforms
- International Ex certifications
- Ingress protection IP66/IP68
- Various threadforms available

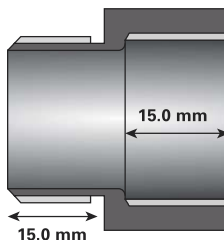
Technical specification

Adaptors / reducers	
ATEX marking (nylon)	Ex II 2 GD, Ex e IIC Gb, Ex tb IIIC Db
ATEX certification	SIRA 10 ATEX 1225X, ITS 16 ATEX 101336X
IEC Ex certification	IECEX SIR 07.0010X, IECEX SIR 12.0014X, IECEX ITS16.0011X
Other certificates	
Temperature range	Nylon body: -30 °C to +90 °C (available from Q2 2018)* EPDM O-ring: -30°C to +125°C (standard) Silicone O-ring: -50°C to +180°C (option)
Ingress protection	IP66 / IP68
Material	Glass-filled nylon

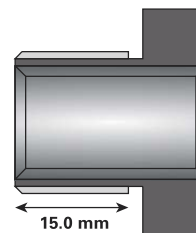
Dimensions

THREAD SIZE	ADAPTOR		REDUCER
	MALE THREAD MAX. BORE*	Ø HEAD DIAMETER	Ø HEAD DIAMETER
M16	8.0	24.0	22.0
M20	12.5	27.5	25.0
M25	17.5	35.5	30.0
M32	24.5	41.0	38.0
M40	32.5	50.0	46.0
M50	42.5	60.0	56.0
M63	53.0	75.0	70.0
M75	64.0	85.0	81.0
M90 x 2.0	76.0	100.0	96.0

AJ adaptors



BJ reducers



Ordering codes

DIGITS 1 & 2 DESCRIPTION ADAPTORS/ REDUCERS	DIGIT 3 CODE	DIGIT 3 MATERIAL	DIGIT 3 CODE	DIGITS 4 & 5 MALE / DIGITS 6 & 7 FEMALE			DIGIT 8		DIGIT 9		DIGIT 10		
				THREAD SIZE / CODE	CERTIFICATE	CODE	SPECIAL	CODE	PLATING	CODE			
M-F round adaptor	AJ	Glass-filled nylon	M	M16	11	½" NPT	42	ATEX / IECEX Ex e	E	None	X or blank	None	blank
M-F round reducer	BJ			M20	12	¾" NPT	43	Industrial	X or blank	(standard)			
				M25	13	1" NPT	44			Integrated	U		
				M32	14	1¼" NPT	45			O-ring			
				M40	15	1½" NPT	46						
				M50	16	2" NPT	47						
				M63	17	2½" NPT	48						
				M75	18	3" NPT	49						
				M90	81	3½" NPT	86						

Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	ADAPTOR	G.F. NYLON	1" NPT (M)	M32 (F)	Ex e	REFERENCE
	AJ	M	44	14	E	= AJM4414E

We make what matters work.*

- * At Eaton, we believe that power is a fundamental part of just about everything people do. Technology, transportation, energy and infrastructure-these are things the world relies on every day. That's why Eaton is dedicated to helping our customers find new ways to manage electrical, hydraulic and mechanical power more efficiently, safely and sustainably. To improve people's lives, the communities where we live and work, and the planet our future generations depend upon. Because that's what really matters. And we're here to make sure it works.

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