

≈ 200 mm

shaft (motor) : 60 mm

N-EUPEX 225

1500 rpm

45 KW

size : 395

≈ 450 mm

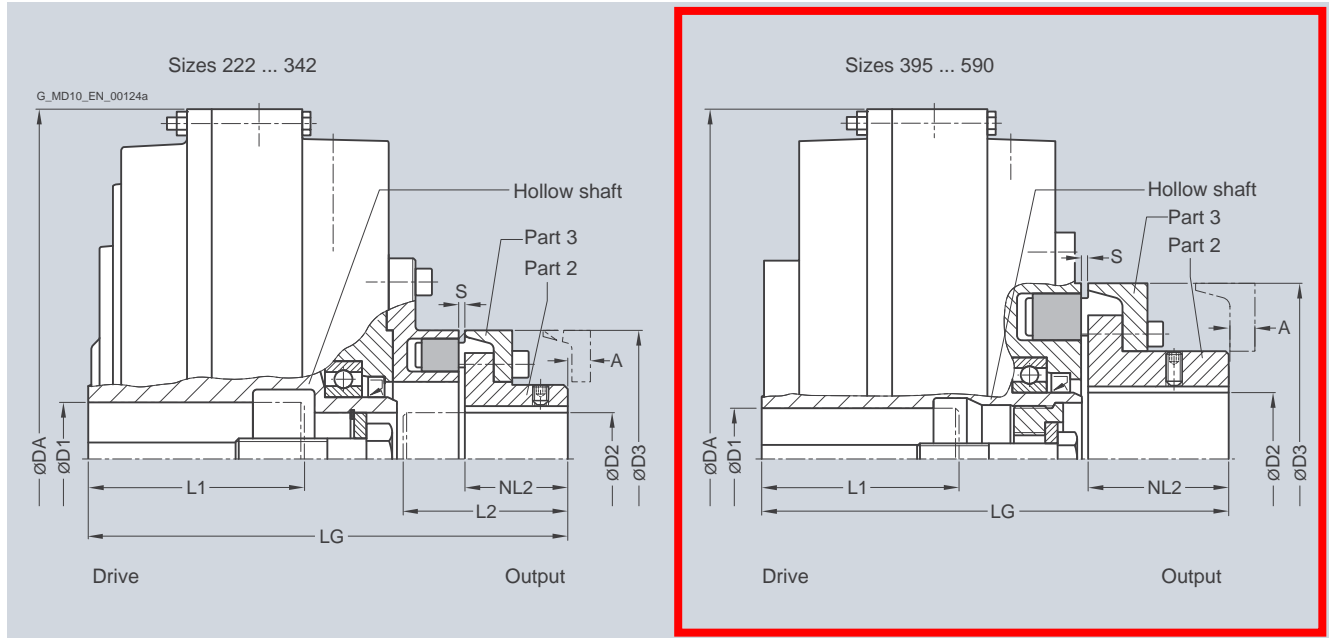
FLENDER Standard Couplings

Fluid Couplings - FLUDEX Series

Type FAD

Selection and ordering data

Type with attached N-EUPEX D coupling. Enables change of flexible elements without axial displacement of the shafts if the space "A" is provided.



Size	Maximum speed n_{kmax}	Dimensions in mm											Product code with order codes for bore diameters and tolerances (product code without -Z) – selection in catalog part 3	Weight <i>m</i>	
		FLUDEX coupling					N-EUPEX D coupling								
		D1		L1	DA	LG	D2	L2	NL2	D3	S	A			
		Keyway to DIN 6885													
		min.	max.	Preferred bore	max.			max.	max.		N-EUPEX size			In standard type available ex stock	
	rpm													Available at short term	kg
222	3600		38	28	80	263	180	38	65	40	110	2...4	13	2LC0900-0AA9 ■ -0AA0 L..+M..	12
		>38 ¹⁾	42 ¹⁾												
297	3600		38		80	340	233	45	80	50	125	2...4	11	2LC0900-1AA9 ■ -0AA0 L..+M..	24
		>38	55	42	110										
		>55 ¹⁾	60 ¹⁾		110										
342	3600		55	48 + 55	110	400	271	50	88	55	140	2...4	16	2LC0900-2AA9 ■ -0AA0 L..+M..	34
		>55 ¹⁾	60 ¹⁾		120										
395	3000		65	60 + 65	140	448	299	85	90	90	225	3...6	9	2LC0900-3AA9 ■ -0AA0 L..+M..	53
450	3000		75	65 + 75	140	512	338	95	100	100	250	3...8	11	2LC0900-4AA9 ■ -0AA0 L..+M..	70
		>75	80		170										
516	2300		55		140	584	398	120	125	125	315	3...8	0	2LC0900-5AA9 ■ -0AA0 L..+M..	113
		>55	90	80	170										
590	2000		75		140	662	433	120	125	125	315	3...8	0	2LC0900-6AA9 ■ -0AA0 L..+M..	138
		>75	95		170										
		>95	100		210										

ØD2: • Without finished bore for sizes 222 to 450, 516 and 590 with small hub (ØD2 max. 100 mm) – Without order code M..
• Without finished bore only for sizes 516 and 590 with large hub (ØD2 max. 88 ... 120 mm) – Without order code M..
• With finished bore – With order codes for diameter and tolerance (product code without -Z)

1
2
9

Ordering example:

Motor 160 kW, $P_{eff} = 132$ kW, $n_1 = 1470$ rpm, maximum output torque: $T_{max} = 2.0 \times T_{eff}$.

Selection:

FLUDEX FAD coupling size 516,
Hollow shaft: Bore ØD1 = 80H7 mm with keyway to DIN 6885/1 and retaining screw,
Part 2: with finished bore ØD2 = 80H7

Specification of oil filling quantity: 16.9 l (see under oil filling quantities for the FA series in this catalog section).

Product code:

2LC0900-5AA99-0AA0-Z
L1J+M1J+Y90

plain text to Y90: **16.9 l**

¹⁾ Variant with shallow keyway to DIN 6885/3.

FLENDER Standard Couplings

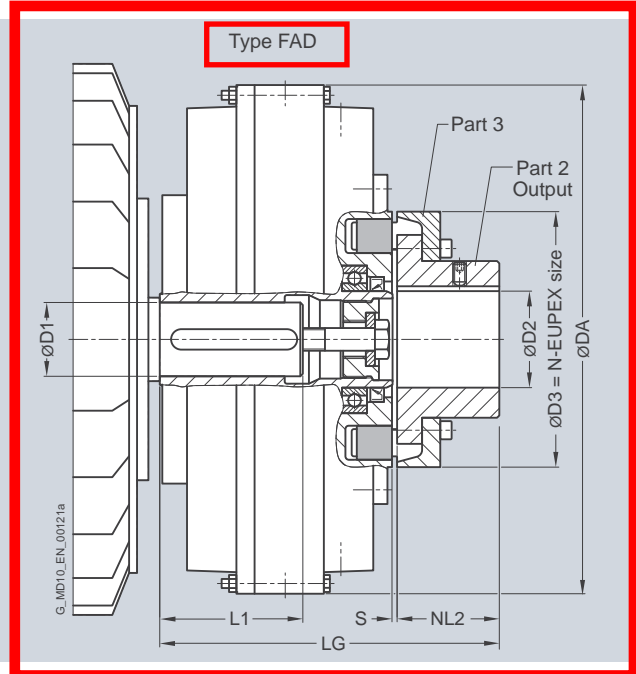
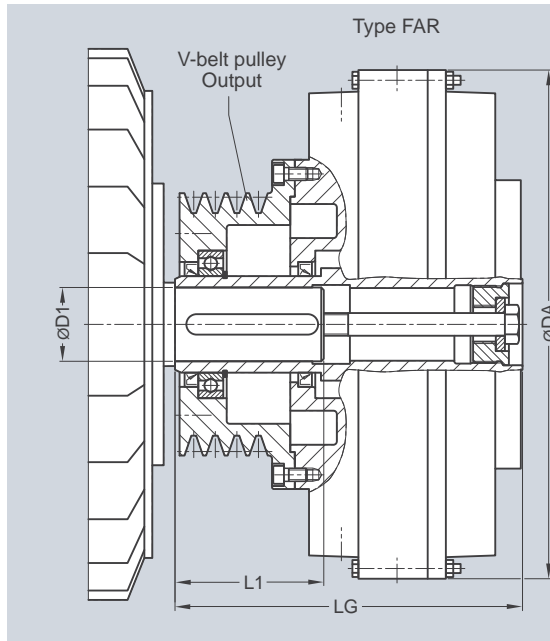
Fluid Couplings - FLUDEX Series

FLUDEX coupling as aid to starting IEC motors

Selection and ordering data

Speed $n = 1500 \text{ rpm}$

This assignment offers safety in normal load cases and includes standard types with 140 °C fusible safety plugs, for horizontal fitting and an ambient air temperature from -40 °C to +40 °C.



Three-phase motor			FLUDEX			Type FAR (with V-belt pulley)						Type FAD (with N-EUPEX D add-on coupling)							
Size	P_M 1500 rpm	D1 x L1	Size	Oil filling	DA	Pro- file, pitch Ø	No. of grooves	Recom- mended no. of belts ¹⁾	LG	Product code with order codes for bore diameters and tolerances (product code without -Z) – selection in catalog part 3	Weight	LG	NL2	D3	D2 ²⁾	Product code with order codes for bore diameters and tolerances (product code without -Z) – selection in catalog part 3	Weight		
										Available ex stock									
										Available at short term	<i>m</i>					max.	Available at short term	<i>m</i>	
											kg							kg	
80 M	0.55	19 x 40	222	0.9	263	SPZ 100	2	1	153	2LC0900-0AF90-0AA0 L0L	12						2LC0900-0AA9 ■ -0AA0 L0L+M..	12	
80 M	0.75	19 x 40		1.0		SPZ 100	2	1		2LC0900-0AF90-0AA0 L0L							2LC0900-0AA9 ■ -0AA0 L0L+M..		
90 S	1.1	24 x 50		1.1		SPZ 100	2	1		2LC0900-0AF90-0AA0 L0P							2LC0900-0AA9 ■ -0AA0 L0P+M..		
90 L	1.5	24 x 50		1.2		SPZ 100	2	1		2LC0900-0AF90-0AA0 L0P							2LC0900-0AA9 ■ -0AA0 L0P+M..		
100 L	2.2	28 x 60		1.4		SPZ 100	2	2		2LC0900-0AF90-0AA0 L0R							2LC0900-0AA9 ■ -0AA0 L0R+M..		
100 L	3	28 x 60		1.5		SPZ 100	2	2		2LC0900-0AF90-0AA0 L0R							2LC0900-0AA9 ■ -0AA0 L0R+M..		
112 M	4	28 x 60		1.6		SPZ 160	3	2		2LC0900-0AF91-0AA0 L0R	14						2LC0900-0AA9 ■ -0AA0 L0R+M..		
132 S	5.5	38 x 80		1.65		SPZ 160	3	2		2LC0900-0AF91-0AA0 L0V							2LC0900-0AA9 ■ -0AA0 L0V+M..		
ØD2:										• Without finished bore								1	
										• With finished bore – With order codes for diameter and tolerance (product code without -Z)								9	

¹⁾ If the recommended number of belts is ..X, raw-edged belts are required.

²⁾ Larger bores on the output side are possible with type FAE.

