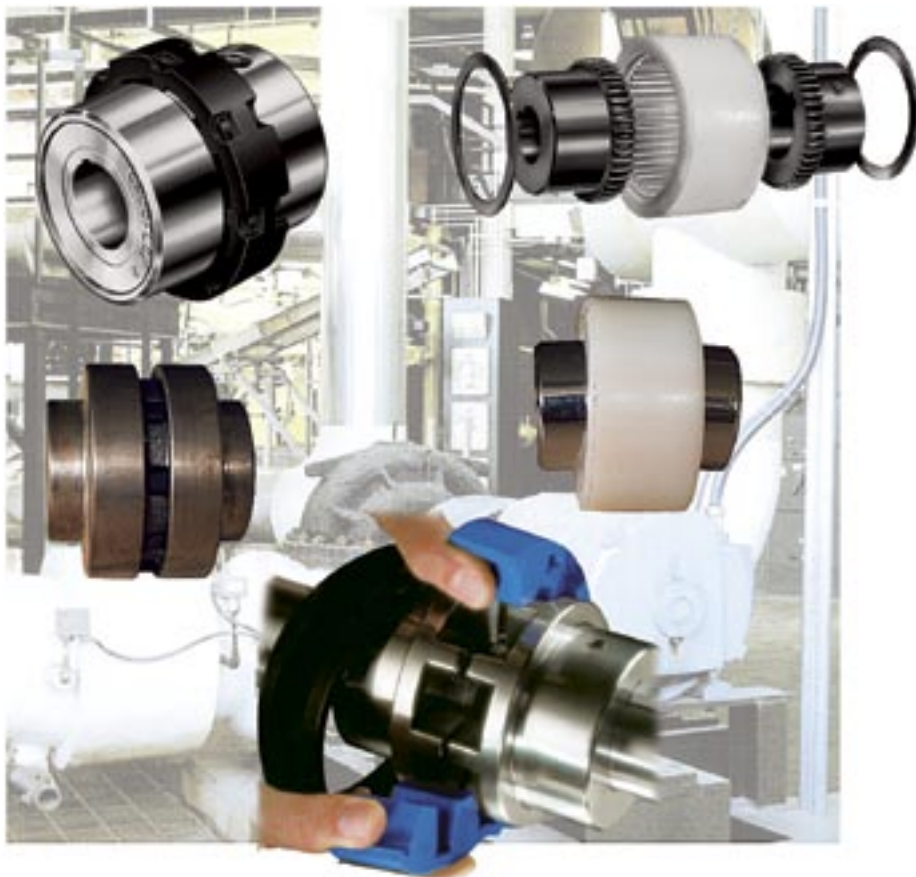




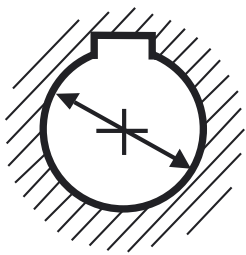
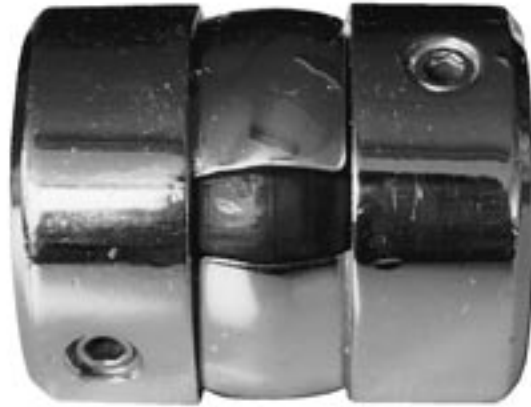
ESCOFLEX - ESCONYL

A-R-S-T

A-B-C

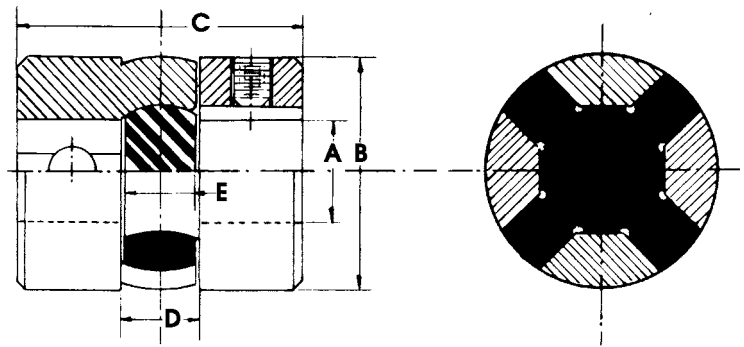









ELASTIC COUPLINGS SERIES S



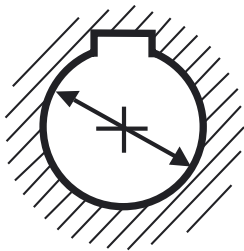
min : 6 mm

max : 42 mm



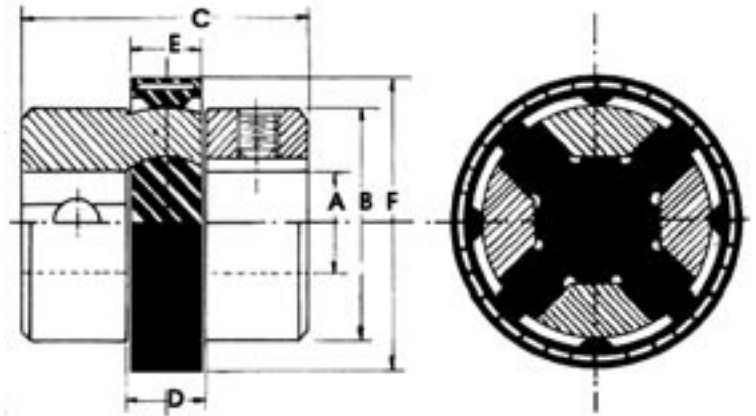
Type			 1m Nm Nm	 /min.max. tr/min omw/min rpm - min ⁻¹	 α (°) max.	 (mm) max.	 (mm) max.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	 kg
	max. (mm)	min. (mm)											
1 S	16	6,0	1,28	6000	3	1	1,5	16	27,5	38	11	9,5	0,110
2 S	24	9,8	4,35	5500	3	1	2,0	24	42,0	52	14	12,7	0,350
3 S	35	13,8	17,90	4500	2	2	2,5	35	58,5	71	22	19,0	0,820
4 S	42	18,8	33,50	4000	2	2	3,0	42	75,0	89	26	22,5	2,050

ELASTIC COUPLINGS SERIES R



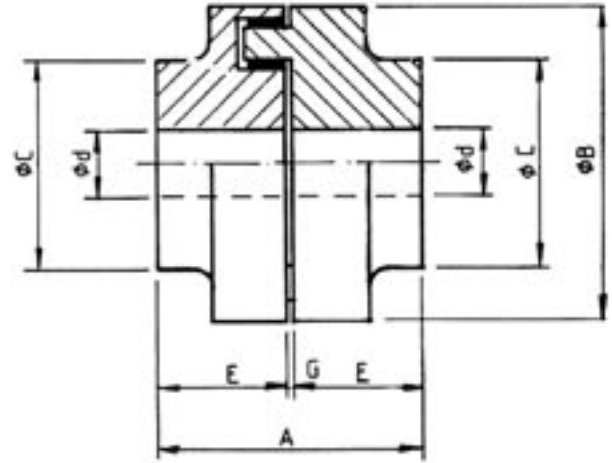
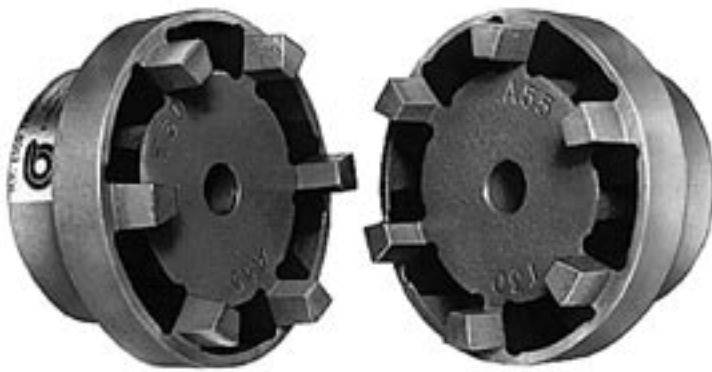
min : 6 mm

max : 42 mm



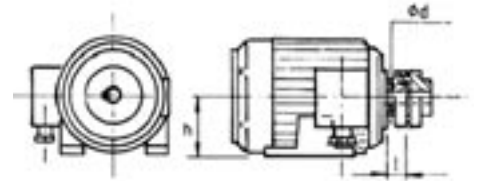
Type								A	B	C	D	E	F	
	max. (mm)	min. (mm)												
1 R	16	6,0	1,69	3500	2,0	0,5	1,5	16	27,5	38	11	9,5	37	0,120
2 R	24	9,8	6,92	3000	2,0	0,5	2,0	24	42,0	52	14	12,7	54	0,370
3 R	35	13,8	20,43	2500	1,5	1,5	2,5	35	58,5	71	22	19,0	70	1,000
4 R	42	18,8	38,40	2000	1,5	1,5	3,0	42	75,0	89	27	22,5	89	2,070

ELASTIC COUPLINGS SERIES A



			Type												
			A28	A32	A38	A42	A48	A55	A60	A65	A75	A85	A90	A100	
	ϕ max.	1	mm	28	32	38	42	48	55	60	65	75	85	90	100
	ϕ min.	1.1	mm	9	9	14	14	18	18	24	26	32	42	42	48
		2	Nm	38	58	86	150	215	300	410	550	850	1350	2000	2850
		3	tr/min omw/min rpm min ⁻¹	5000	5000	5000	5000	5000	5000	5000	4900	4300	3700	3400	3000
	J (WR ²)	4	kgm ²	0,0002	0,0004	0,0008	0,0013	0,0021	0,0035	0,0056	0,0087	0,014	0,026	0,045	0,080
		5	kg	0,9	1,4	2,0	2,7	3,7	5,5	6,9	8,8	13,5	19,5	23,2	31,9
mm \pm	A	mm	58	66	78	86	98	112	122	132	152	172	182	203	
	B	mm	69	78	87	96	106	118	129	140	158	182	200	224	
	C	mm	46	53	62	69	78	90	97	105	123	139	148	165	
	E	mm	28	32	38	42	48	55	60	65	75	85	90	100	
	G	mm	2 ⁺¹ ₋₀	2 ⁺² ₋₀	2 ⁺² ₋₀	2 ⁺² ₋₀	2 ⁺³ ₋₀	2 ⁺³ ₋₀	2 ⁺³ ₋₀	2 ⁺³ ₋₀	2 ⁺³ ₋₀	2 ⁺³ ₋₀	2 ⁺⁴ ₋₀	2 ⁺⁴ ₋₀	3 ⁺⁵ ₋₀
n			16	16	20	20	24	24	24	24	24	24	24	24	

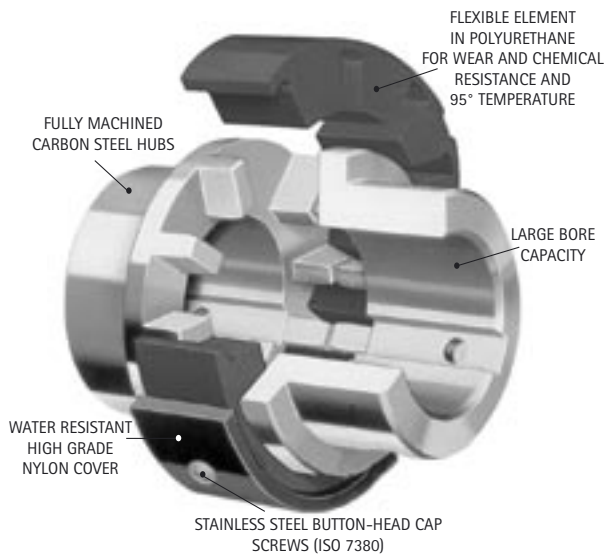
STANDARD SELECTION SERIE A



TYPE MOTEUR MOTOR « h »	3000		1500		1000		750		« d x l » (mm)			
	tr/min - min ⁻¹	TYPE	tr/min - min ⁻¹	TYPE	tr/min - min ⁻¹	TYPE	tr/min - min ⁻¹	TYPE	tr/min - min ⁻¹	tr/min - min ⁻¹		
	omw/min - rpm	A	omw/min - rpm	A	omw/min - rpm	A	omw/min - rpm	A	3000	1500		
kW		kW		kW		kW						
56	0,09	28	0,06	28					9 x 20			
	0,12	28	0,09	28								
63	0,18	28	0,12	28					11 x 23			
	0,25	28	0,18	28								
71	0,37	28	0,25	28					14 x 30			
	0,55	28	0,37	28								
80	0,75	28	0,55	28	0,37	28			19 x 40			
	1,1	28	0,75	28	0,55	28						
90 S	1,5	28	1,1	28	0,75	28			24 x 50			
90 L	2,2	28	1,5	28	1,1	28			24 x 50			
100 L	3	28	2,2	28	1,5	28	0,75	28	28 x 60			
			3	28			1,1	28				
112 M	4	28	4	28	2,2	28	1,5	28	28 x 60			
132 S	5,5	38	5,5	38	3	38	2,2	38	38 x 80			
	7,5	38										
132 M			7,5	38	4	38	3	38	38 x 80			
					5,5							
160 M	11	42	11	42	7,5	42	4	42	42 x 110			
	15	42					5,5	42				
160 L	18,5	42	15	42	11	42	7,5	42	42 x 110			
180 M	22	48	18,5	48					48 x 110			
180 L			22	48	15	48	11	48	48 x 110			
200 L	30	55	30	55	18,5	55	15	55	55 x 110			
	37	55			22	55						
225 S	45	55	37	60	30	60	18,5	60	55 x 110	60 x 140		
225 M			45	60			22	60				
250 M	55	60	55	65	37	65	30	65	60 x 140	65 x 140		
280 S	75	65	75	75	45	75	37	75	65 x 140	75 x 140		
280 M	90	65	90	75	55	75	45	75				
315 S	110	65	110	85	75	85	55	85	65 x 140	80 x 170		
315 M	132	75	132	85	90	85	75	85				
355 S					110	90	90	90	75 x 140	90 x 170		
355 M	160	75	160	90	132	90	110	90				
355 L	200	85	200	90	160	100	132	100				
400 S	250	85	250	100	200	100	160	100	75 x 140	100 x 210		
400 M	315	90	315	100	250	100	200	100				
450 M	400	90	400		315		250		80 x 170	100 x 210		
450 L	500	100	500		400		315					

ELASTIC COUPLINGS SERIES T

JUST 4 PIECES TO OBTAIN THE EASIEST COUPLING TO ASSEMBLE AND DISASSEMBLE



Available in 6 sizes, with max. bore capacity up to dia. 105 mm and torque ratings up to 2500 Nm

Save operational costs coupling design is such that in case of eventual replacement of the flexible element, you are not forced to move either driving or driven machines.

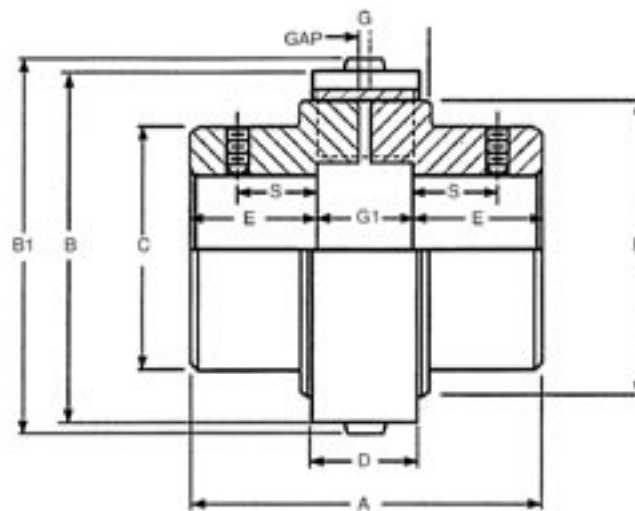
So, no need to remove installed hubs or to proceed with realignment. No maintenance needed as no-lubricated design of the polyurethane element.

The tooth of the flexible element has a root radius which increases flexibility for quick assembly.

Long life: 3 years warranty of the polyurethane element is standard.

Safety first: two stainless steel button-head cap screws prevent relative motion between cover and element.

Flexible element is retained after an eventual accidental failure, minimizing the potential for injury or damage



Size	Torque Rating (Nm)	Max. Speed (Rpm)	Max. Bore (mm)	Dimensions											Weight * Kgs
				A (mm)	B (mm)	B1 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	G1 (mm)	S (mm)		
T 38	61	4500	38	72	76,5	80,5	60	15	26	64	2	20	15	1,34	
T 45	121	4500	45	92	90,5	94,5	72	19	34	76	2	24	22,2	2,48	
T 58	305	4500	58	122	126	132,1	90	25	45	102	2	32	25,4	5,59	
T 64	497	4500	64	152	146,5	152,6	105	29	58	118	2	36	31,8	9,39	
T 80	994	3600	80	181	182	190	125	34	67	150	5	47	41,3	17,10	
T 105	2500	3000	105	215	231	239	160	46	77	190	5	61	44,5	30,70	

HOW TO SELECT THE RIGHT COUPLING SIZE

A. First select the size of ESCOFLEX coupling that will accommodate the largest shaft diameter.

B. Make sure this coupling has the required torque capacity according to following formula: $\text{torque in Nm} = \frac{9550 \times P \times F_u}{n}$

P = power in kW – n = speed in min^{-1} – F_u = service factor (see below).

The coupling selected (A) must have an equal or greater nominal torque capacity than the torque calculated in (B). Otherwise select a larger size.

C. Check if shaft/hub connection will transmit the torque.

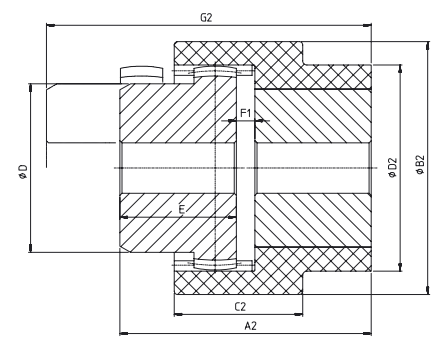
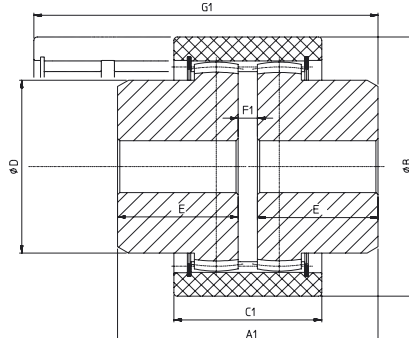
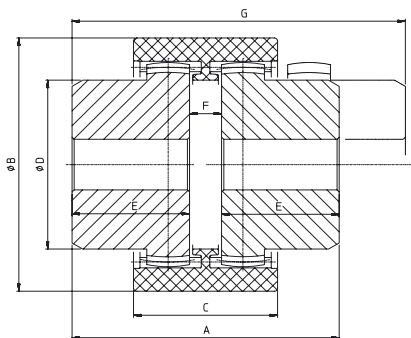


A



B

C



Type 20/24 : Nylon

Type 28/42 : Zamak
Zinc alloy

Type 60 : Acier, Staal, Steel, Stahl

DIN 1743/2 : GD - Zn A 14
AFNOR A55-010 : Z - A 4G
BS 1004 : A
ASTM B86 (64) : AG 40 A

Nylon



Type			t = 60° C max. Nm	/min.max. tr/min omw/min rpm - min ⁻¹	J (WR ²) (kgm ²)	α (°) max.	 (mm) max.	 (mm) max.	 kg	A (mm)	A1 (mm)	A2 (mm)
	max. (mm)	min. (mm)										
20	20	6	13	6000	0,00001	3,0	0,4	6	0,07	50	—	—
24	24	8	20	6000	0,00004	3,0	0,4	6	0,10	56	—	—
28	28	9	40	5000	0,00020	3,0	0,5	6	0,70	65	60	—
28C	28	9	40	5000	0,00020	1,5	0,05	6	0,68	—	—	60
42	42	11	80	5000	0,00100	3,0	0,6	8	1,80	96	86	—
60	60	25	300	4000	0,00690	3,0	0,9	6	7,77	125	125	—

Type	B (mm)	B2 (mm)	C (mm)	C1 (mm)	C2 (mm)	D (mm)	D2 (mm)	E (mm)	E2 (mm)	F (mm)	F1 (mm)	F2 (mm)	G (mm)	G1 (mm)	G2 (mm)
20	46	—	33	—	—	32,0	—	22,0	—	6	—	—	65	—	—
24	54	—	35	—	—	38,0	—	25,0	—	6	—	—	71	—	—
28	73	—	36	33,5	—	44,5	—	28,5	—	8	3,0	—	80	65	—
28C	—	68	—	—	27	44,5	56	28,5	28,5	—	—	3	—	—	76
42	95	—	51	47,6	—	60,0	—	41,3	—	13	3,2	—	116	95	—
60	120	—	67	67,0	—	80,0	—	60,0	—	5	5,0	—	160	160	—

Consult our complete coupling program on: www.escocoupling.com

Other coupling types available



Escogear CST / CST...M



Escogear FST



Escodisc DLC / DMU / DPU



Escogear NST



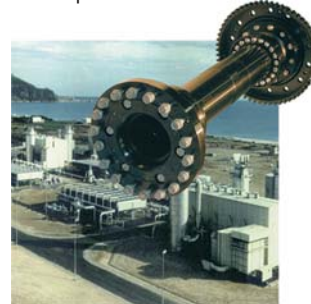
Escoflex A-R-S-T
Esconyl A-B-C



Escorail FTRN /FTRNO



Escospeed DHSU - GHS



Esco Couplings N.V.

Kouterveld - Culliganlaan, 3
B - 1831 Diegem (Brussels)
(tel) + 32 02 715 65 60
(fax) + 32 02 720 83 62 - 02 721 28 27
e-mail: info@esco-couplings.be
web site: www.escocoupling.com

Esco Aandrijvingen B.V.

Ondernemingsweg, 19 - P.B. 349
NL - 2404 HM Alphen A/D Rijn
(tel) + 31 (0) 172 / 42 33 33
(fax) + 31 (0) 172 / 42 33 42
e-mail: info@esco-aandrijvingen.nl
web site: www.esco-aandrijvingen.nl

Eugen Schmidt und Co Getriebe und Antriebs Elemente GmbH

Biberweg 10
D - 53842 Troisdorf
(tel) + 49 (02241) 48070
(fax) + 49 (02241) 480710
e-mail: esco-antriebstechnik@t-online.de
web site: www.esco-antriebstechnik.de

Esco Transmissions S.A

Z.I. 34, rue Ferme Saint-Ladre
Saint Witz
F - 95471 Fosses Cedex
(tel) + 33 (1) 34 31 95 95
(fax) + 33 (1) 34 31 95 99
e-mail: info@esco-transmissions.fr
web site: www.esco-transmissions.fr

Esco Couplings & Transmissions Pvt. Ltd.

Shed No. B-325, 1st Stage, 3rd Main Road
Peenya Industrial Estate
Bangalore 560 058 INDIA
(tel) + 91 80 4167 4858
(fax) + 91 80 4155 8494
e-mail: info@esco-couplings.co.in