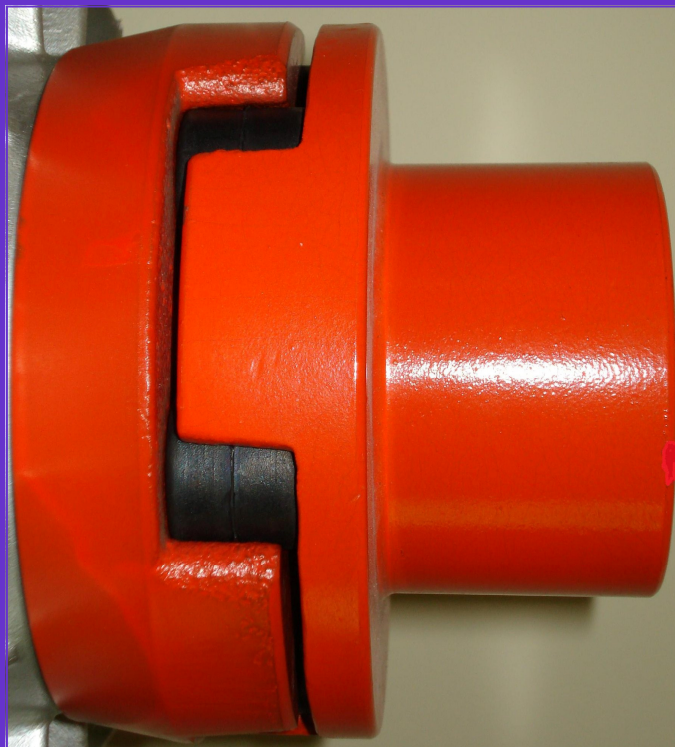


NEW TURBOSTART ALIGNING FLEXIBLE COUPLING



CHAIN & DRIVES®
COMPLETE POWER
TRANSMISSION

SERVICE & SUPPORT

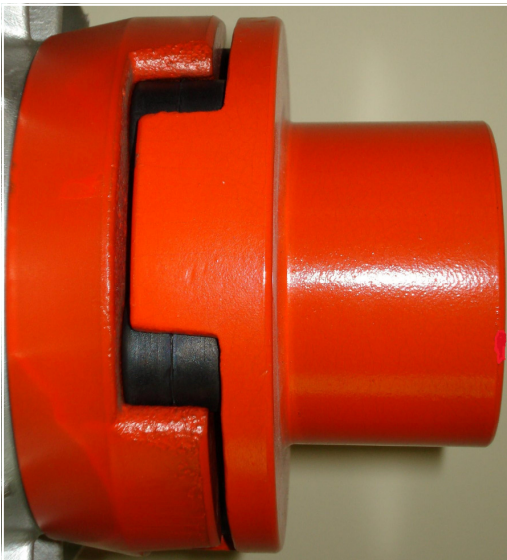
WA: (08) 9303 4966 | NSW: (02) 9674 8611

chainanddrives.com.au



TECHNICAL CATALOGUE

ALIGNING FLEXIBLE COUPLING TYPE "E"



New Turbostart s.r.l. was born in 1958, its corporate purpose is the production and sale of mechanical and hydraulic drives; the company has always been renowned for their new products reliability and professional service offered to clientele. It is a compact structure, efficient and always ready to solve the most varied problems of customers, succeeding in realizing even personalized products, guaranteeing, at the same time, rapidity and prompt deliveries. Over the years, it has always followed quality objectives, **officially recognized on several occasions all over the world.**

New Turbostart is in **continual development, both in Italy and abroad** (all continents) where it is selling hydrodynamic and hydromechanic couplings without slip at continuous running and 100% efficiency, couplings in cast iron for mines applications for powers ranging from 0,37 to 2.200 Kw, both for in line and pulley assembly, and also disk brake, drum brake, and all metal flexible couplings.

The administration and commercial offices are placed in Milan – Segrate, while production factory is located in Borgo Ticino – Novara, which is owned by New Turbostart and it covers 7.000 sq.m.

The factory is equipped with numerically controlled operating machines; processing of all particulars are carried out inside, as well as assembly and testing, whereas castings are made by skilled foundries in primary aluminium alloy

New Turbostart is certified, according to **UNI EN ISO 9001 – 2008** regulation, and it can supply couplings in according ATEX Certification.



ALIGNING FLEXIBLE COUPLING TYPE "E"

The Turbostart flexible coupling with high torsional strength, can be supplied according to standard version with two stub shaft or flange and stub shaft version for mounting on Turbostart Hydrodynamic and Hydromechanic couplings.

They have a rational easy mounting and can offer the following advantages:

- Neutralisation of misalignment effects
- Protection of transmission

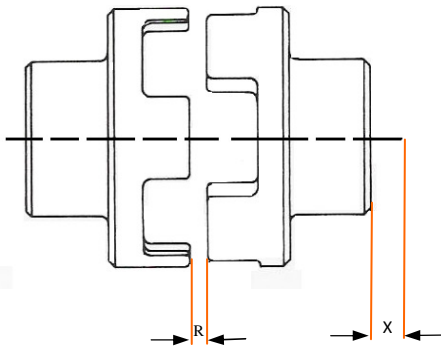


Performances - Service factor 1

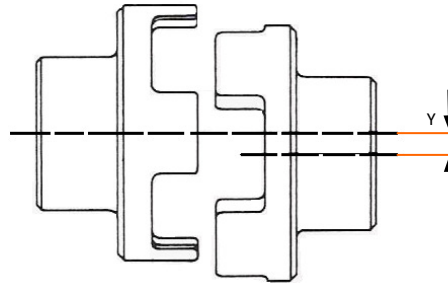
Flexible coupling Type	E - 10	E - 20	E - 30	E - 40	E - 50	E - 60	E - 70	E - 80
Torque max. (Nm)	20	70	150	360	540	1500	3050	5350
Speed max. (RPM)	6000	5000	4000	3200	2800	2500	2000	2000

MAXIMUM DISPLACEMENTS

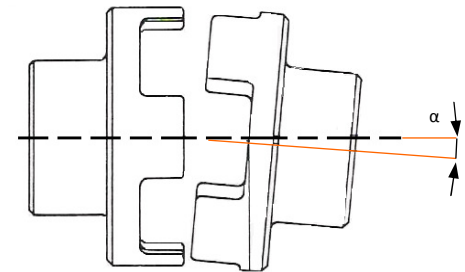
AXIAL



RADIAL



ANGULAR

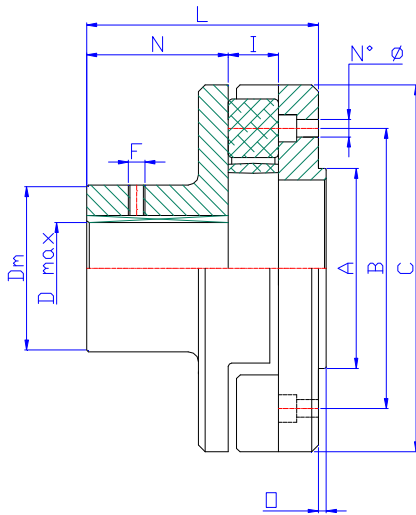


Flexible coupling Type	E - 10	E - 20	E - 30	E - 40	E - 50	E - 60	E - 70	E - 80
R	12	20	20	25	25	30	40	50
X (max)	1.3	1.7	2.0	2.2	2.8	3.2	4.0	4.8
Y (max)	0.7	1.0	1.0	1.3	1.3	1.6	1.8	2.0
α (max)	1° 30'	1° 30'	1° 30'	1° 30'	1° 30'	1° 30'	1° 30'	1° 30'

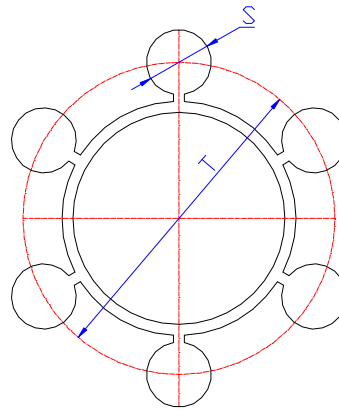
R: minimum travel to disengage half couplings to replace the insert

ALIGNING FLEXIBLE COUPLING TYPE "E"

TYPE A



Flange and stub shaft type for L/E Turbostart Hydrodynamic and Hidromechanic couplings



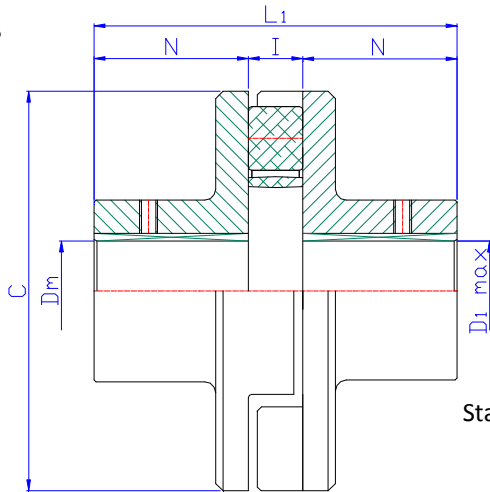
Rubber insert

6 rubber cylinders (E10 - E20 - E30)

8 rubber cylinders (E40 - E50 - E60)

10 rubber cylinders (E70 - E80)

TYPE B



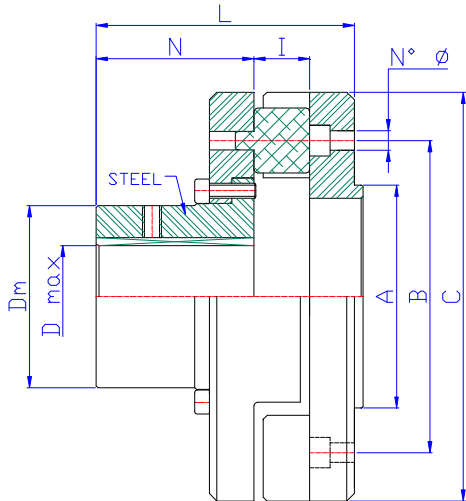
Standard type with stub shaft

TYPE	Ø S	Ø T
E 10	14	52
E 20	25	73
E 30	25	89
E 40	30	112
E 50	30	136
E 60	35	168
E 70	35	196
E 80	50	250

The couplings can be supplied with finished and keyed bores on request

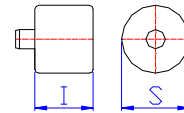
Flexible coupling type	DIMENSIONS															Weight Kgs		N° rubber insert
	Di max G7	Dm	N	I	L	L1	A F7	B	O	Ø d	N° fori	C	F	S	T	Type A	Type B	
E 10	24	46	30	12	52	72	40	52	3	6.5	6	70	M 6	12	65	0,800	1,000	6
E 20	38	55	42	20	76	104	47	73	3	6.5	6	96	M 8	20	92	1,800	2,000	6
E 30	48	76	55	20	95	130	62	89	3	8.5	6	122	M 8	20	112	4,000	4,000	6
E 40	60	86	73	25	119	171	72	112	3	10.5	8	150	M 10	25	140	6,000	7,200	8
E 50	70	105	73	25	119	171	85	136	4	10.5	8	175	M 10	25	164	9,000	11,000	8
E 60	80	124	88	30	142	206	120	168	8	10.5	8	220	M 12	30	200	16,000	19,000	8
E 70	100	150	111	40	181	262	140	196	9	12.5	10	250	M 12	40	235	26,000	32,000	10
E 80	110	200	141	50	221	332	180	250	10	14.5	10	320	M 14	50	300	70,000	90,000	10

ALIGNING FLEXIBLE COUPLING TYPE E-3

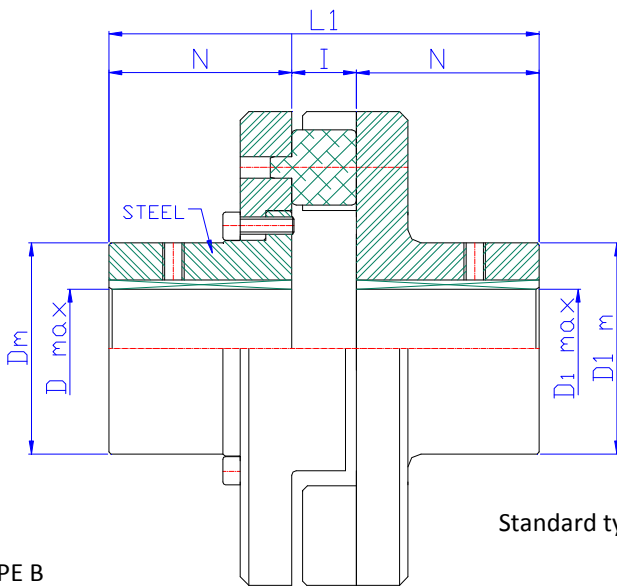


TYPE A

Flange and stub shaft type for L/E Turbostart Hydrodynamic and Hidromechanic couplings



Rubber element



TYPE B

Standard type with stub shaft

TIPO	Ø I	S
E 50	30	25
E 60	35	30
E 70	35	40
E 80	50	50

The couplings can be supplied with finished and keyed bores on request

Type	D max g7	D1 max g7	Dm	D1m	N	L ± 1,5	L1 ± 2	A F7	B ± 0,2	C	INSERT		Weight Kg	
											S	I	Type A	Type B
E 50-3	55	70	75	105	73	119	171	85	136	175	25	30	9	11
E 60-3	75	80	100	124	88	142	206	120	168	220	30	35	16	19
E 70-3	95	100	120	150	111	181	262	140	196	250	40	35	26	32
E 80-3	110	110	155	200	141	228	332	180	250	320	50	50	70	90