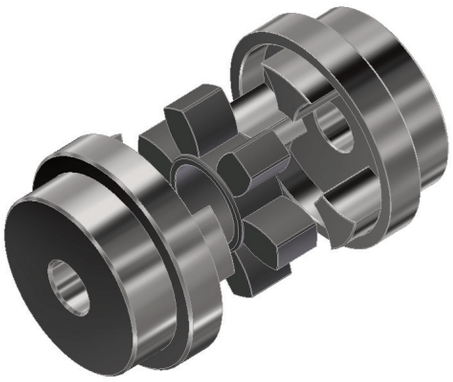
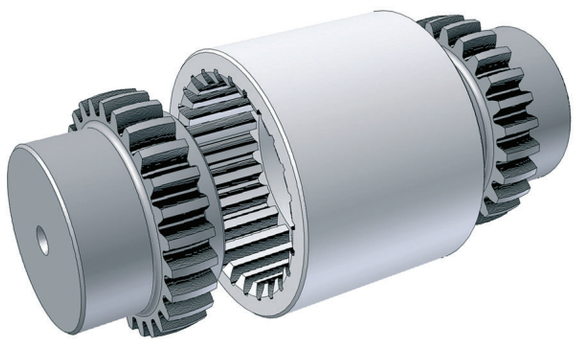
Catalogo Giunti
Catalog for Coupling

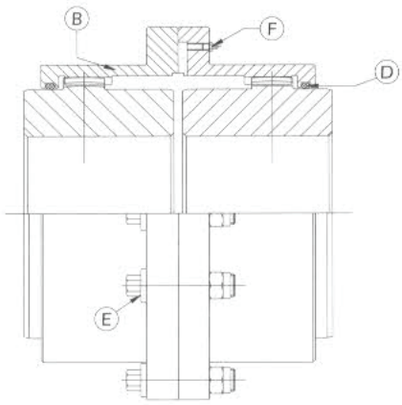




Giunti a Denti
Gear Couplings

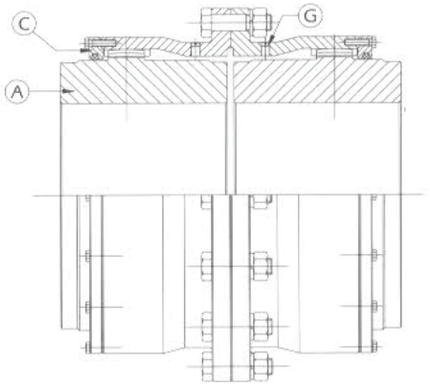
I giunti a denti K.S.F. presentati in questo catalogo sono il tipo di collegamento più affidabile ed economico per alberi alberi di comandi industriali di media e grande potenza. Conseguire e mantenere nel tempo un corretto allineamento fra due alberi è praticamente irrealizzabile a causa delle loro flessioni e dilatazioni termiche e degli assestamenti delle fondazioni delle macchine collegate. I giunti a denti sono dunque la risposta ideale per compensare e minimizzare gli effetti di tale disallineamento senza provocare sollecitazioni anomale sui supporti e senza dare luogo ad un'apprezzabile perdita di potenza, essi assorbono anche eventuali dilatazioni e movimenti assiali. La dentatura bombata garantisce, in condizioni di disallineamento una più estesa area di contatto , un numero maggiore di denti in presa e quindi una migliore distribuzione del carico con un gioco minimo. Questi giunti sono progettati per compensare un disallineamento statico di 1° per ogni ingranamento, per ottenere un buon funzionamento ed una lunga durata del giunto e dei cuscinetti delle macchine ad esso collegate occorre eseguire il miglior allineamento possibile. Il massimo disallineamento consigliato al montaggio è di 1/8° in modo da assi curare una capacità di disallineamento residua che consenta al giunto di assorbire ulteriori disallineamenti causati dall'usura dei supporti, dalle dilatazioni termiche e dall'assestamento delle fondazioni delle macchine collegate.

K.S.F. couplings gear sereis proposed in this catalogue are the most reliable and economic type of shafts connection for medium and heavy industry drives. In fac, deflection and thermal expansion of structural members and setting of foundation are factors that make practically impossible to achieve and maintain a perfect alignment of coupled rotating shafts, gear couplings are siutable to compensate and minimize with an intangible loss of power the effects of this misalignment without inducing abnormal loads on bearings, axial movement of connected shafts in also accomodated. Crowned flanks assure larger contact area fpr tooth and put more teeth in contact for a given angle, this design provides optium load distribution and accomodate all types of misalignment with minimum backlash, crowned tips balance the sleeve under various misalignment conditions. This gear couplings have been designed to allow a maximum static misalignment of 1° for gear mesh, it's very important to align gear coupling in order to increase as muche its lifetime and the endurance of machine connected to it, as a result of reduced bending moments and radial forces related to the amont of misalignment. The maximum recommended misalignment is limited to 1/8° to assure a residual misalignment capability which permits gear coupling to compensate eventual variations caused by wear out of bearings, thermal expansion and foundation setting.



Grandezza / Size 40-250

A Mozzo
B Manicotto flangiato
C Flangia portaguarnizione
D Anello di tenuta
E Bulloni calibrati
F Ingrassatore
G Tappo per lubrificazione



Grandezza / Size 280-450

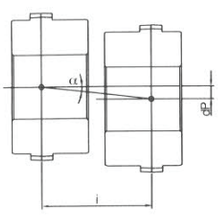
A Hub
B Sleeve
C Seal flange
D Seal ring
E Fitted bolts
F Grease nipple
G Lube Plug

Scelta del giunto

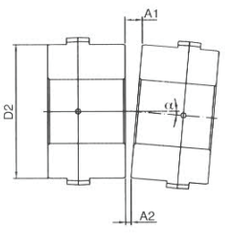
Eseguire una selezione preliminare della grandezza del giunto verificando che il diametro degli alberi da collegare sai inferiore o uguale al valore del foro massimo ammissibile indicato nella tabella tecnica della serie e della tipologia di giunto selezionato.
Verificare che le dimensioni del giunto selezionato siamo compatibili con gli ingombri delle macchine da collegare mantenendo i giochi necessari. Verificare la lunghezza degli alberi, la distanza ed i giochi in modo che sia possibile controllare l'allineamento del giunto.

Gear Coupling Selection

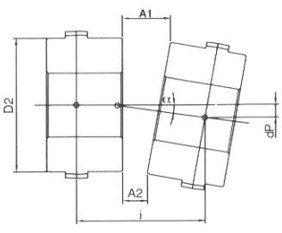
Compare shaft sizes of driving and driven equipment with listed maximum bores of desired series and type of coupling to determinate tentative couping size.
Dimensions of the selected coupling should be compared with space provided in the application to assure proper clearances. Shaft extention, separation and clearances to align coupling should be checked.



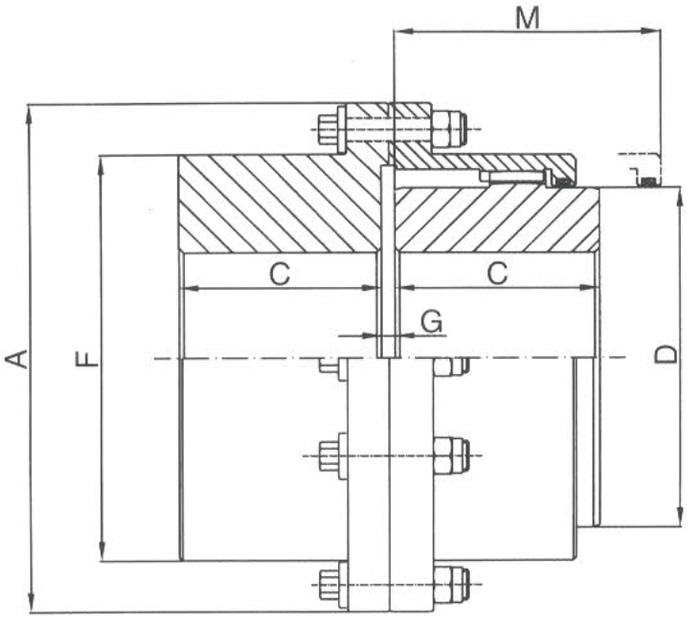
DISALLINEAMENTO PARALLELO
Offset misalignment



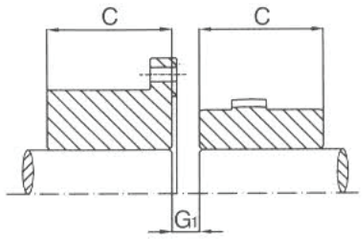
DISALLINEAMENTO ANGOLARE
Angular misalignment



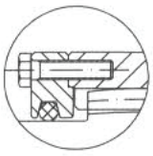
DISALLINEAMENTO MISTO
Angular and offset misalignment



PLA - FO...

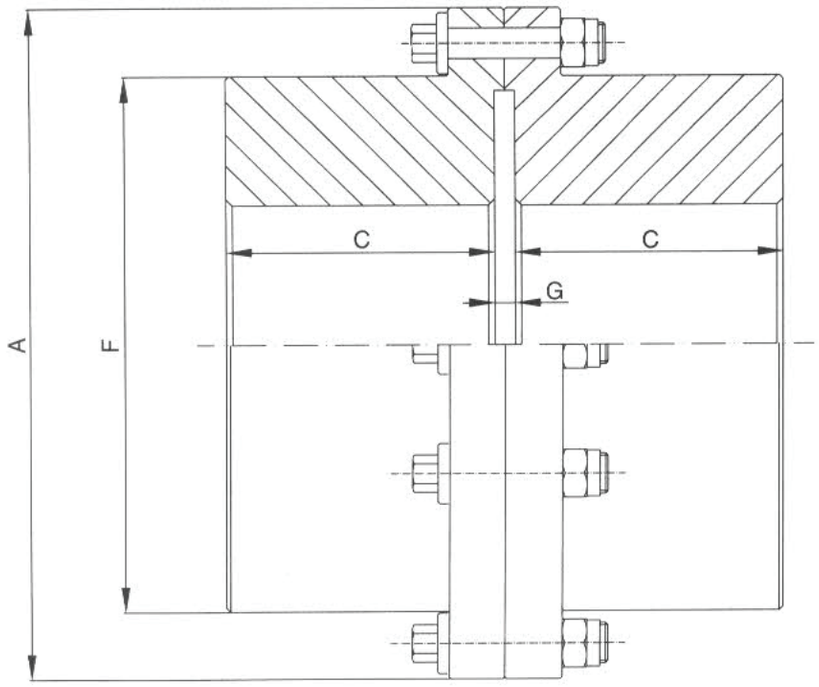


Mozzo Rovesciato
Reversed hub
PLA-FOR...



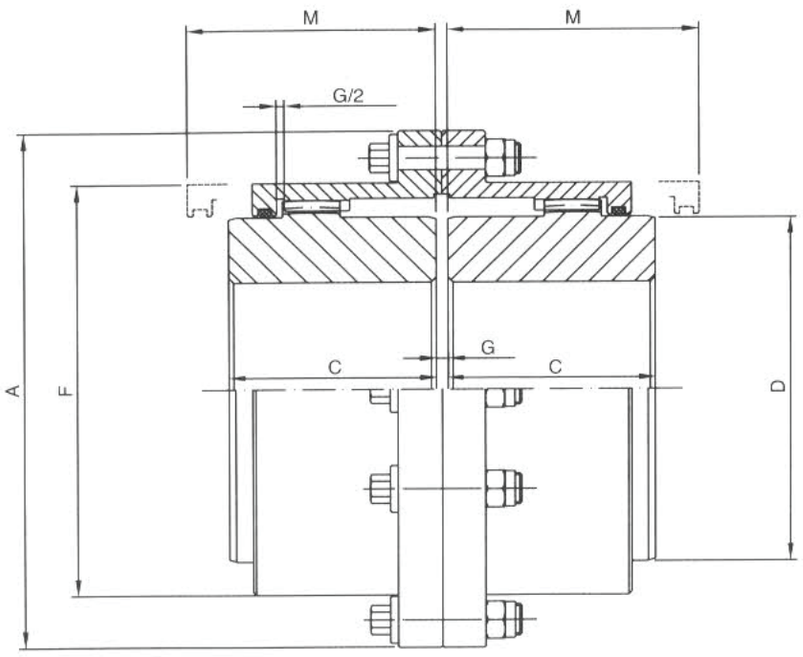
Flangia portaguarnizione grandezze da 280 a 450
Seal Flange sizes from 280 to 450

Codice Code	Coppia (kNm) Torque (kNm)		Max Speed	Foro Bore Min/Max	Foro Bore Max	Dimensioni - Dimensions							Peso Weight	Grasso Grease	Inerzia Inertia
	Nominale Rating Tn	Max Tmax	rpm	mm	mm	A mm	C mm	F mm	D mm	M mm	G mm	G1 mm	Kg	Kg	Kgm2
PLA-FO 40	1.7	4.1	5990	12/50	60	111	43	82.5	69	58	3	5	4.6	0.05	0.005
PLA-FO 55	2.7	6.2	4610	18/60	75	142	50	104.5	85	68	3	8	8.5	0.09	0.014
PLA-FO 70	5.5	12	4130	28/75	90	168	62	130.5	107	87	3	14	13.8	0.15	0.035
PLA-FO 55	8.5	21	3980	40/95	110	200	76	158.5	133	95	5	12	27	0.25	0.090
PLA-FO 100	13.5	34	3850	50/110	130	225	90	183.5	152	120	5	24	39.5	0.45	0.180
PLA-FO 120	22	54	3700	60/130	150	265	105	211.5	178	130	6	27	62.5	0.70	0.410
PLA-FO 140	34	83	3200	70/155	175	300	120	245.5	209	135	6	32	94.6	0.90	0.780
PLA-FO 160	43	99	2900	85/170	195	330	135	275	234	155	8	37	130	1.54	1.330
PLA-FO 180	68	156	2550	95/190	220	370	150	307	254	195	8	50	181	2.30	2.280
PLA-FO 200	82	195	2320	110/210	240	406	175	335	279	220	8	53	250	3.20	3.730
PLA-FO 220	150	348	2100	120/230	260	438	190	367	305	236	8	58	320	3.90	5.590
PLA-FO 250	195	479	1800	130/280	300	505	220	423	355	273	10	72	490	6.10	10.55
PLA-FO 280	275	550	1200	150/325	365	580	250	475	400	-	12	-	718	5.20	21.11
PLA-FO 320	381	762	980	170/370	395	630	275	520	450	-	12	-	940	5.80	34.50
PLA-FO 360	492	984	900	190/400	425	700	305	556	490	-	12	-	1220	8.00	55.10
PLA-FO 400	658	1316	800	210/430	470	760	330	615	550	-	12	-	1700	10.00	87.52
PLA-FO 450	835	1670	700	240/475	520	825	355	680	580	-	12	-	2100	12.00	131.50

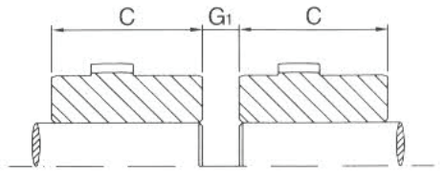


PLA - FOO...

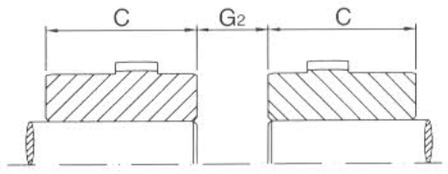
Codice Code	Coppia (kNm) Torque (kNm)		Max Speed	Foro Bore Max	Dimensioni - Dimensions				Peso Weight	Inerzia Inertia
	Nominale Rating Tn	Max Tmax	rpm	mm	A mm	C mm	F mm	G mm	Kg	Kgm2
PLA-FOO 40	1.7	4.1	5990	60	111	43	82.5	3	5.2	0.005
PLA-FOO 55	2.7	6.2	4610	75	142	50	104.5	3	9.0	0.016
PLA-FOO 70	5.5	12	4130	90	168	62	130.5	3	14.6	0.038
PLA-FOO 55	8.5	21	3980	110	200	76	158.5	5	28.0	0.096
PLA-FOO 100	13.5	34	3850	130	225	90	183.5	5	42.0	0.198
PLA-FOO 120	22	54	3700	150	265	105	211.5	6	66.0	0.445
PLA-FOO 140	34	83	3200	175	300	120	245.5	6	98.2	0.832
PLA-FOO 160	43	99	2900	195	330	135	275	8	137.0	1.435
PLA-FOO 180	68	156	2550	220	370	150	307	8	192.0	2.455
PLA-FOO 200	82	195	2320	240	406	175	335	8	266.0	4.059
PLA-FOO 220	150	348	2100	260	438	190	367	8	345.0	6.128
PLA-FOO 250	195	479	1800	300	505	220	423	10	525.0	10.780
PLA-FOO 280	275	550	1200	365	580	250	475	12	751.0	21.620
PLA-FOO 320	381	762	980	395	630	275	520	12	960.0	35.500
PLA-FOO 360	492	984	900	425	700	305	556	12	1230.0	56.900
PLA-FOO 400	658	1316	800	470	760	330	615	12	1810.0	91.540
PLA-FOO450	835	1670	700	520	825	355	680	12	2140.0	134.600



PLA...



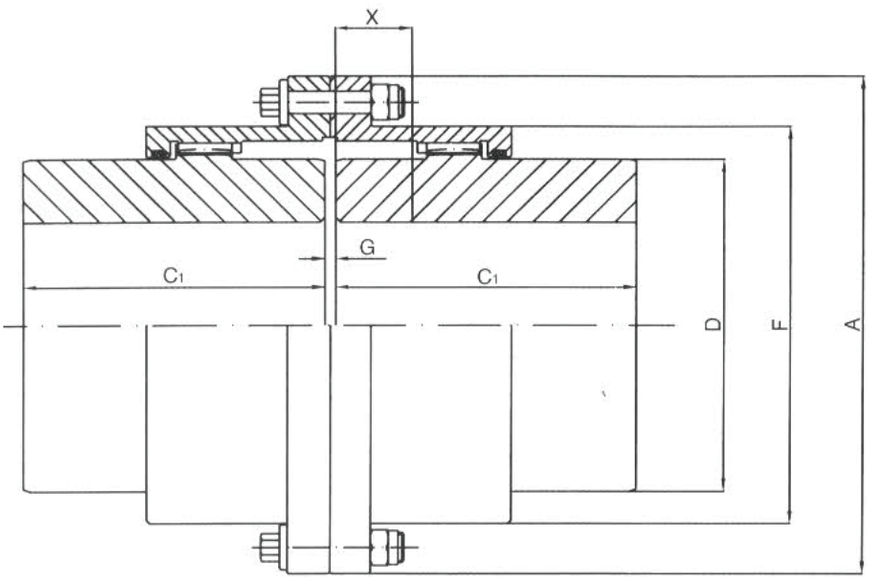
Un mozzo rovesciato
One hubs reversed
PLA-R...



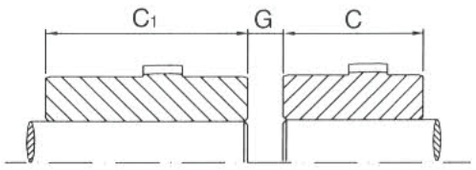
Due mozzi rovesciati
Two hubs reversed
PLA-RR...

Flangia portaguarnizione grandezze da 280 a 450
Seal Flange sizes from 280 to 450

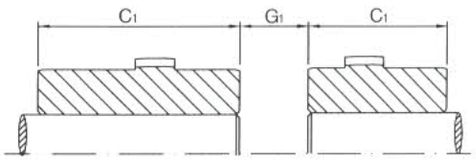
Codice Code	Coppia (kNm) Torque (kNm)		Max Speed	Foro Bore Min/Max	Dimensioni - Dimensions								Peso Weight	Grasso Grease	Inerzia Inertia
	Nominale Rating Tn	Max Tmax	rpm	mm	A mm	C mm	F mm	D mm	M mm	G mm	G1 mm	G2 mm	Kg	Kg	Kgm2
PLA 40	1.7	4.1	5990	12/50	111	43	82.5	69	58	3	5	7	4	0.08	0.005
PLA 55	2.7	6.2	4610	18/60	142	50	104.5	85	68	3	8	13	8	0.09	0.012
PLA 70	5.5	12	4130	28/75	168	62	130.5	107	87	3	14	25	13	0.15	0.032
PLA 85	8.5	21	3980	40/95	200	76	158.5	133	95	5	12	19	26	0.25	0.084
PLA 100	13.5	34	3850	50/110	225	90	183.5	152	120	5	24	43	37	0.45	0.162
PLA 120	22	54	3700	60/130	265	105	211.5	178	130	6	27	48	59	0.70	0.375
PLA 140	34	83	3200	70/155	300	120	245.5	209	135	6	32	58	91	0.90	0.728
PLA 160	43	99	2900	85/170	330	135	275	234	155	8	37	66	123	1.54	1.225
PLA 180	68	156	2550	95/190	370	150	307	254	195	8	50	92	170	2.30	2.105
PLA 200	82	195	2320	110/210	406	175	335	279	220	8	53	98	234	3.20	3.401
PLA 220	150	348	2100	120/230	438	190	367	305	236	8	58	108	295	3.90	5.052
PLA 250	195	479	1800	130/280	505	220	423	355	273	10	72	134	455	6.10	10.32
PLA 280	275	550	1200	150/325	580	250	495	400	-	12	-	-	685	6.50	20.60
PLA 320	381	762	980	170/370	630	275	545	450	-	12	-	-	920	7.20	33.50
PLA 360	492	984	900	190/400	700	305	589	490	-	12	-	-	12010	8.50	53.30
PLA 400	658	1316	800	210/430	760	330	649	550	-	12	-	-	1590	11.40	83.50
PLA 450	835	1670	700	240/475	825	355	714	580	-	12	-	-	2060	12.50	128.40



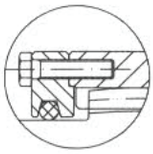
PLA - UU...



Un mozzo prolungato un mozzo standard
One longer hub one standard hub
PLA-U...

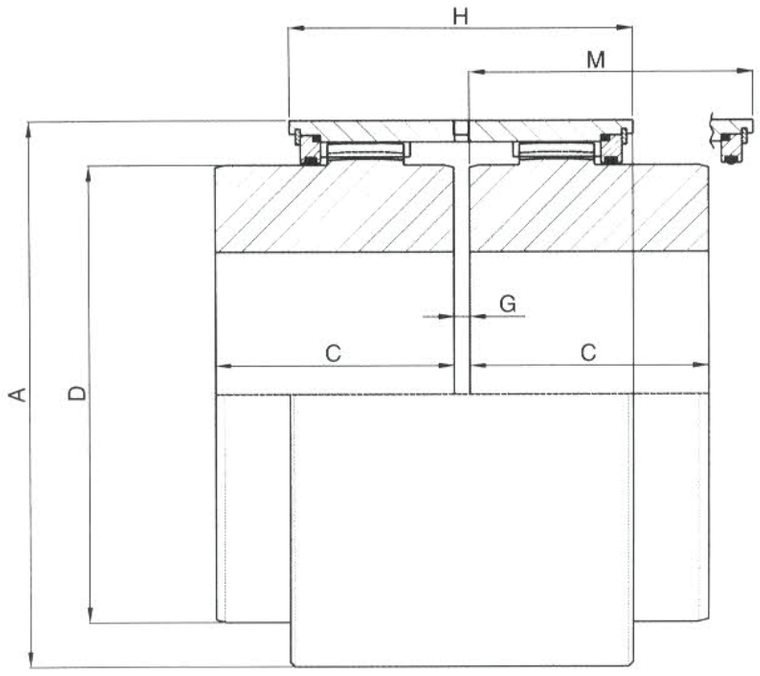


Un mozzo prolungato un mozzo standard rovesciato
One longer hub one standard hub reversed
PLA-UR...



Flangia portaguarnizione grandezze da 280 a 450
Seal Flange sizes from 280 to 450

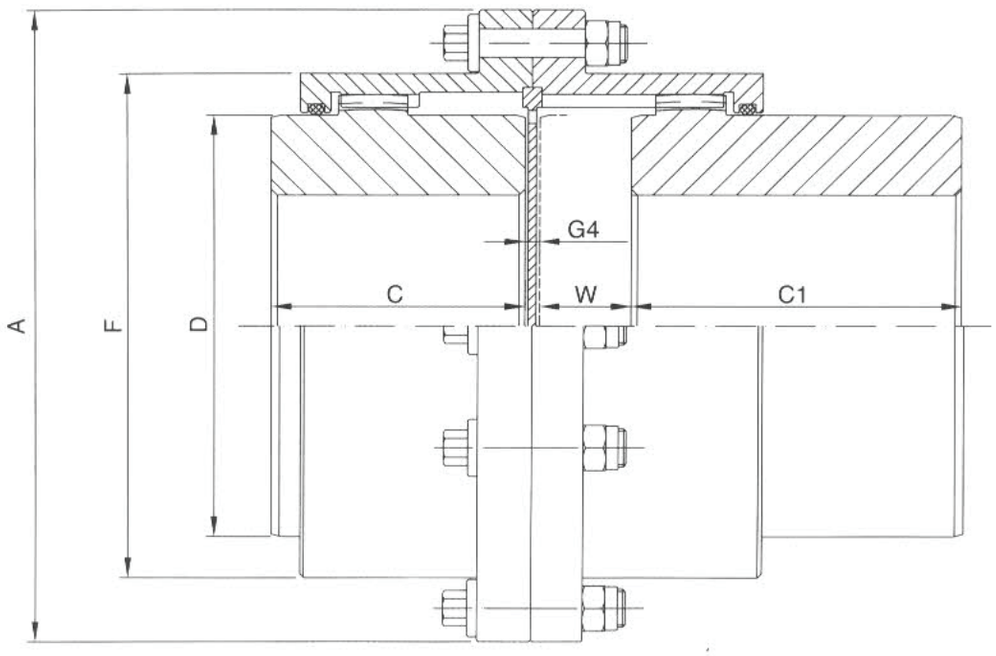
Codice Code	Coppia (kNm) Torque (kNm)		Max Speed	Foro Bore Min/Max	Dimensioni - Dimensions								Peso Weight	Grasso Grease	Inerzia Inertia
	Nomi-nale Rating Tn	Max Tmax	rpm	mm	A mm	C mm	F mm	D mm	M mm	G mm	G1 mm	X mm	Kg	Kg	Kgm2
PLA-UU4 40	1.7	4.1	5990	12/50	111	105	43	82.5	69	3	5	12	7.9	0.08	0.007
PLA-UU 55	2.7	6.2	4610	18/60	142	115	50	104.5	85	3	8	16	12.7	0.09	0.018
PLA-UU 70	5.5	12	4130	28/75	168	130	62	130.5	107	3	14	22	21	0.15	0.045
PLA-UU 85	8.5	21	3980	40/95	200	150	76	158.5	133	5	12	26	38	0.25	0.118
PLA-UU 100	13.5	34	3850	50/110	225	170	90	183.5	152	5	24	38	55	0.45	0.230
PLA-UU 120	22	54	3700	60/130	265	185	105	211.5	178	6	27	45	84	0.70	0.505
PLA-UU 140	34	83	3200	70/155	300	215	120	245.5	209	6	32	50	134	0.90	1.010
PLA-UU 160	43	99	2900	85/170	330	245	135	275	234	8	37	58	180	1.54	1.735
PLA-UU 180	68	156	2550	95/190	370	295	150	307	254	8	50	70	260	2.30	3.030
PLA-UU 200	82	195	2320	110/210	406	300	175	335	279	8	53	80	317	3.20	4.550
PLA-UU 220	150	348	2100	120/230	438	305	190	367	305	8	58	86	382	3.90	6.150
PLA-UU 250	195	479	1800	130/280	505	310	220	423	355	10	72	96	546	6.10	12.50
PLA-UU 280	275	550	1200	150/325	580	-	250	495	400	12	-	-	-	6.50	-
PLA-UU 320	381	762	980	170/370	630	-	275	545	450	12	-	-	-	7.20	-
PLA-UU 360	492	984	900	190/400	700	-	305	589	490	12	-	-	-	8.50	-
PLA-UU 400	658	1316	800	210/430	760	-	330	649	550	12	-	-	-	11.40	-
PLA-UU 450	835	1670	700	240/475	825	-	355	714	580	12	-	-	-	12.50	-



PLA - M...

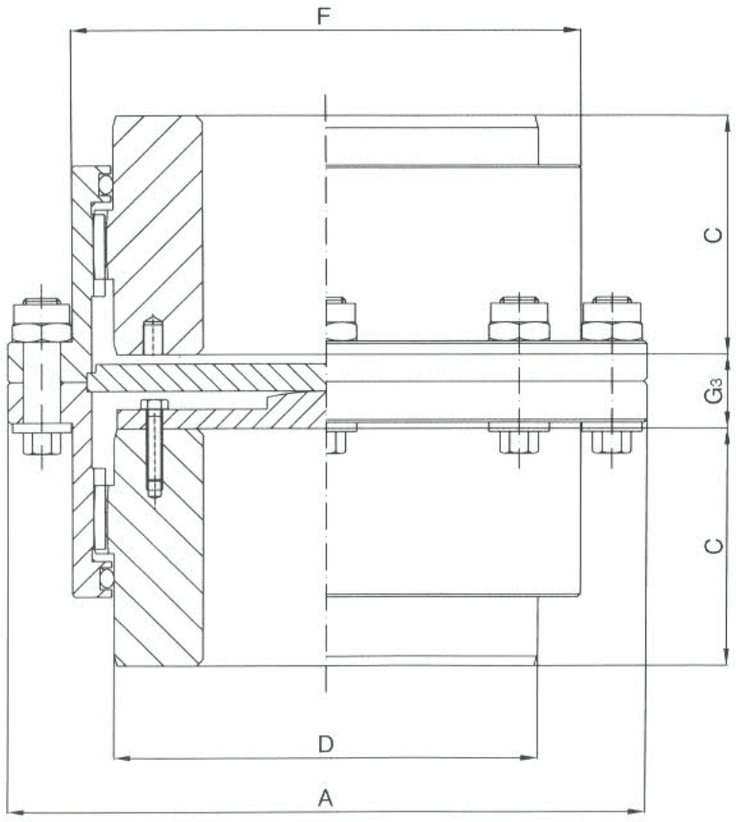
Flangia portaguarnizione grandezze da 180 a 450
Seal Flange sizes from 180 to 450

Codice Code	Coppia (kNm) Torque (kNm)		Max Speed	Foro Bore Min/Max	Dimensioni - Dimensions						Peso Weight	Grasso Grease	Inerzia Inertia
	Nominale Rating Tn	Max Tmax	rpm	mm	A mm	C mm	D mm	H mm	M mm	G mm	Kg	Kg	Kgm2
PLA-M 40	1.7	4.1	5990	12/50	98	43	69	86	91	3	4	0.07	0.005
PLA-M 55	2.7	6.2	4610	18/60	115	50	85	97	102	3	8	0.08	0.011
PLA-M 70	5.5	12	4130	28/75	145	62	107	112	117	3	12.5	0.10	0.031
PLA-M 85	8.5	21	3980	40/95	176	76	133	141	146	5	25	0.20	0.082
PLA-M 100	13.5	34	3850	50/110	196	90	152	145	150	5	34	0.40	0.150
PLA-M 120	22	54	3700	60/130	225	105	178	164	169	6	58	0.60	0.325
PLA-M 140	34	83	3200	70/155	256	120	209	180	185	6	86	0.80	0.385
PLA-M 160	43	99	2900	85/170	286	135	234	198	203	8	118	1.50	1.125
PLA-M 180	68	156	2550	95/190	310	150	254	194	200	8	155	2.00	1.724
PLA-M 200	82	195	2320	110/210	345	175	279	220	225	8	225	3.00	2.802
PLA-M 220	150	348	2100	120/230	375	190	305	234	240	8	270	3.5	4.542
PLA-M 250	195	479	1800	130/280	430	220	355	264	270	10	404	4.00	8.420
PLA-M 280	275	550	1200	150/325	495	250	400	302	305	12	590	4.50	15.730
PLA-M 320	381	762	980	170/370	545	275	450	328	340	12	785	5.50	24.820
PLA-M 360	492	984	900	190/400	590	305	490	336	350	12	980	6.00	35.660
PLA-M 400	658	1316	800	210/430	650	330	550	348	360	12	1395	7.00	58.720
PLA-M 450	835	1670	700	240/475	715	355	580	358	370	12	1790	9.50	95.420

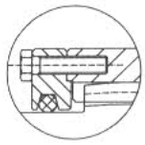


PLA - FT...

Codice Code	Coppia (kNm) Torque (kNm)		Max Speed	Foro Bore Min/Max	Dimensioni - Dimensions						
	Nominale Rating Tn	Max Tmax	rpm	mm	A mm	F mm	D mm	C mm	C1 mm	G4 mm	W mm
PLA-FT 40	1.7	4.1	5990	12/50	111	82.5	69	43	100	7	62
PLA-FT 55	2.7	6.2	4610	18/60	142	104.5	85	50	102	7	62
PLA-FT 70	5.5	12	4130	28/75	168	130.5	107	62	110	7	64
PLA-FT 85	8.5	21	3980	40/95	200	158.5	133	76	122	8	72
PLA-FT 100	13.5	34	3850	50/110	225	183.5	152	90	130	8	72
PLA-FT 120	22	54	3700	60/130	265	211.5	178	105	144	10	80
PLA-FT 140	34	83	3200	70/155	300	245.5	209	120	156	10	88
PLA-FT 160	43	99	2900	85/170	330	275	234	135	162	14	88
PLA-FT 180	68	156	2550	95/190	370	307	254	150	180	14	102
PLA-FT 200	82	195	2320	110/210	406	335	279	175	220	14	130
PLA-FT 220	150	348	2100	120/230	438	367	305	190	220	14	130
PLA-FT 250	195	479	1800	130/280	505	423	355	220	210	16	110

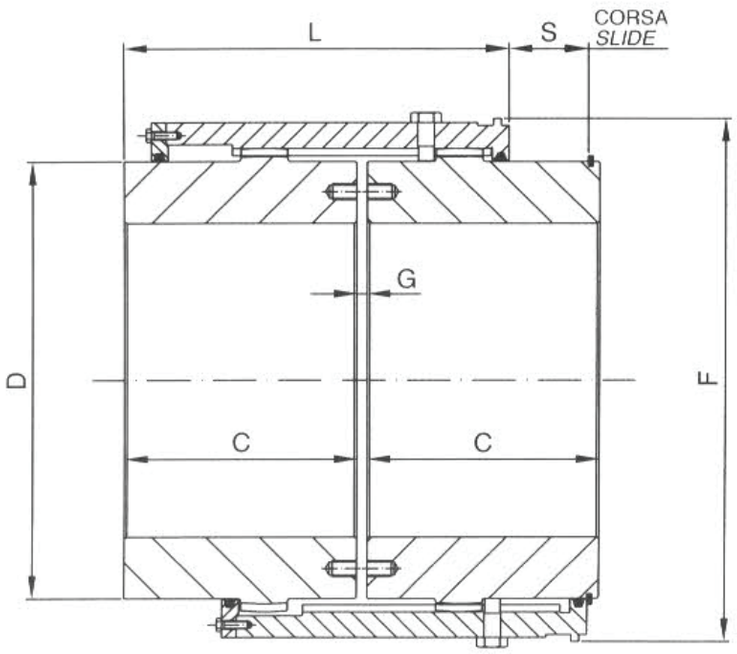


PLA - V...



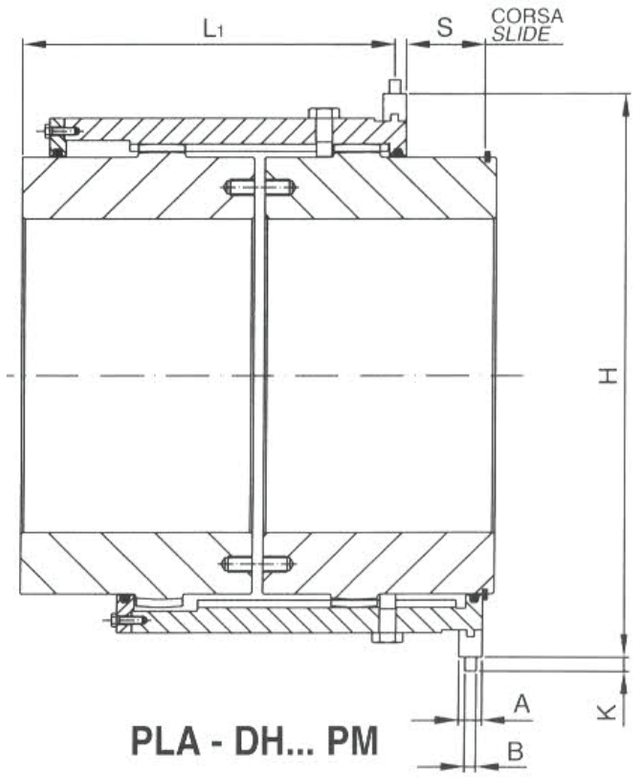
Flangia portaguarnizione
Grandezze da 280 a 450
Seal Flange
Sizes from 280 to 450

Codice Code	Coppia (kNm) Torque (kNm)		Max Speed	Foro Bore Min/Max	Dimensioni - Dimensions					Peso Weight	Grasso Grease	Inerzia Inertia
	Nominale Rating Tn	Max Tmax	rpm	mm	A mm	C mm	F mm	D mm	G3 mm	Kg	Kg	Kgm2
PLA-V 40	1.7	4.1	5990	12/50	111	43	82.5	69	23	5	0.08	0.005
PLA-V 55	2.7	6.2	4610	18/60	142	50	104.5	85	23	9	0.09	0.012
PLA-V 70	5.5	12	4130	28/75	168	62	130.5	107	31	15	0.15	0.032
PLA-V 85	8.5	21	3980	40/95	200	76	158.5	133	31	28	0.25	0.084
PLA-V 100	13.5	34	3850	50/110	225	90	183.5	152	43	49	0.45	0.162
PLA-V 120	22	54	3700	60/130	265	105	211.5	178	48	62	0.70	0.375
PLA-V 140	34	83	3200	70/155	300	120	245.5	209	58	95	0.90	0.728
PLA-V 160	43	99	2900	85/170	330	135	275	234	66	129	1.54	1.225
PLA-V 180	68	156	2550	95/190	370	150	307	254	92	178	2.30	2.105
PLA-V 200	82	195	2320	110/210	406	175	335	279	98	244	3.20	3.401
PLA-V 220	150	348	2100	120/230	438	190	367	305	108	307	3.90	5.052
PLA-V 250	195	479	1800	130/280	505	220	423	355	134	470	6.10	10.32
PLA-V 280	275	550	1200	150/325	580	250	495	400	140	725	6.50	20.60
PLA-V 320	381	762	980	170/370	630	275	545	450	140	970	7.20	33.50
PLA-V 360	492	984	900	190/400	700	305	589	490	140	1260	8.50	53.30
PLA-V 400	658	1316	800	210/430	760	330	649	550	150	1650	11.40	83.50
PLA-V 450	835	1670	700	240/475	825	355	714	580	150	2130	12.50	128.40



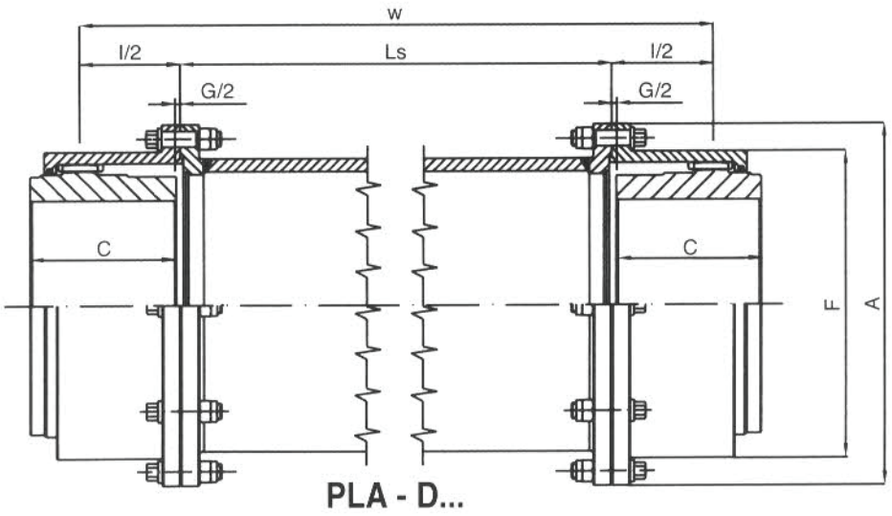
PLA - DH... MN

Codice Code	Coppia (kNm) Torque (kNm)		Max Speed	Foro Bore Min/Max	Dimensioni - Dimensions										Grasso Grease
	Nominale Rating Tn	Max Tmax	rpm	mm	F mm	C mm	D mm	L mm	L1 mm	G mm	S mm	A mm	B mm	K mm	H mm	Kg
PLA-DH 40 MN	1.7	4.1	5990	12/50	100	60	69	100	90	3	17	20	12	12	130	0.08
PLA-DH 55 MN	2.7	6.2	4610	18/60	120	70	85	110	100	3	18	20	12	12	150	0.09
PLA-DH 70 MN	5.5	12	4130	28/75	152	85	107	140	128	3	29	24	16	16	190	0.15
PLA-DH 85 MN	8.5	21	3980	40/95	175	95	133	155	143	5	32	24	16	16	210	0.25
PLA-DH 100 MN	13.5	34	3850	50/110	200	105	152	170	158	5	34	24	16	16	240	0.45
PLA-DH 120 MN	22	54	3700	60/130	230	120	178	195	179	6	39	32	20	20	270	0.70
PLA-DH 140 MN	34	83	3200	70/155	260	130	209	205	189	6	45	32	20	20	310	0.90
PLA-DH 160 MN	43	99	2900	85/170	290	150	234	240	224	8	50	32	20	20	330	1.54
PLA-DH 180 MN	68	156	2550	95/190	320	175	254	280	264	8	56	32	20	20	360	2.30
PLA-DH 200 MN	82	195	2320	110/210	350	190	279	300	280	8	62	40	24	22	400	3.20
PLA-DH 220 MN	150	348	2100	120/230	395	220	305	350	330	8	70	40	24	22	450	3.90
PLA-DH 250 MN	195	479	1800	130/280	450	250	355	400	375	10	77	50	28	24	510	6.10
PLA-DH 280 MN	275	550	1200	150/325	545	275	400	430	405	12	80	50	28	24	610	6.50
PLA-DH 320 MN	381	762	980	170/370	590	300	450	470	440	12	87	60	32	30	660	7.20
PLA-DH 360 MN	492	984	900	190/400	640	335	490	510	480	12	95	60	32	30	710	8.50
PLA-DH 400 MN	658	1316	800	210/430	715	360	550	560	520	12	100	80	44	40	810	11.40
PLA-DH 450 MN	835	1670	700	240/475	780	390	580	600	560	12	110	80	44	40	870	12.50

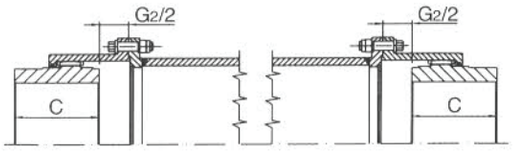


PLA - DH... PM

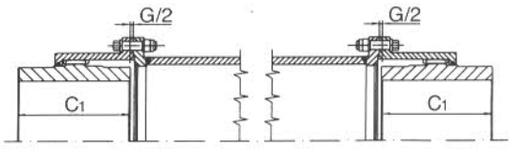
Codice Code	Coppia (kNm) Torque (kNm)		Max Speed	Foro Bore Min/Max	Dimensioni - Dimensions											Grasso Grease
	Nominale Rating Tn	Max Tmax	rpm	mm	F mm	C mm	D mm	L mm	L1 mm	G mm	S mm	A mm	B mm	K mm	H mm	Kg
PLA-DH 40 PM	1.7	4.1	5990	12/50	100	60	69	100	90	3	17	20	12	12	130	0.08
PLA-DH 55 PM	2.7	6.2	4610	18/60	120	70	85	110	100	3	18	20	12	12	150	0.09
PLA-DH 70 PM	5.5	12	4130	28/75	152	85	107	140	128	3	29	24	16	16	190	0.15
PLA-DH 85 PM	8.5	21	3980	40/95	175	95	133	155	143	5	32	24	16	16	210	0.25
PLA-DH 100 PM	13.5	34	3850	50/110	200	105	152	170	158	5	34	24	16	16	240	0.45
PLA-DH 120 PM	22	54	3700	60/130	230	120	178	195	179	6	39	32	20	20	270	0.70
PLA-DH 140 PM	34	83	3200	70/155	260	130	209	205	189	6	45	32	20	20	310	0.90
PLA-DH 160 PM	43	99	2900	85/170	290	150	234	240	224	8	50	32	20	20	330	1.54
PLA-DH 180 PM	68	156	2550	95/190	320	175	254	280	264	8	56	32	20	20	360	2.30
PLA-DH 200 PM	82	195	2320	110/210	350	190	279	300	280	8	62	40	24	22	400	3.20
PLA-DH 220 PM	150	348	2100	120/230	395	220	305	350	330	8	70	40	24	22	450	3.90
PLA-DH 250 PM	195	479	1800	130/280	450	250	355	400	375	10	77	50	28	24	510	6.10
PLA-DH 280 PM	275	550	1200	150/325	545	275	400	430	405	12	80	50	28	24	610	6.50
PLA-DH 320 PM	381	762	980	170/370	590	300	450	470	440	12	87	60	32	30	660	7.20
PLA-DH 360 PM	492	984	900	190/400	640	335	490	510	480	12	95	60	32	30	710	8.50
PLA-DH 400 PM	658	1316	800	210/430	715	360	550	560	520	12	100	80	44	40	810	11.40
PLA-DH 450 PM	835	1670	700	240/475	780	390	580	600	560	12	110	80	44	40	870	12.50



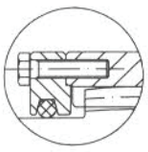
PLA - D...



PLA - DRR...

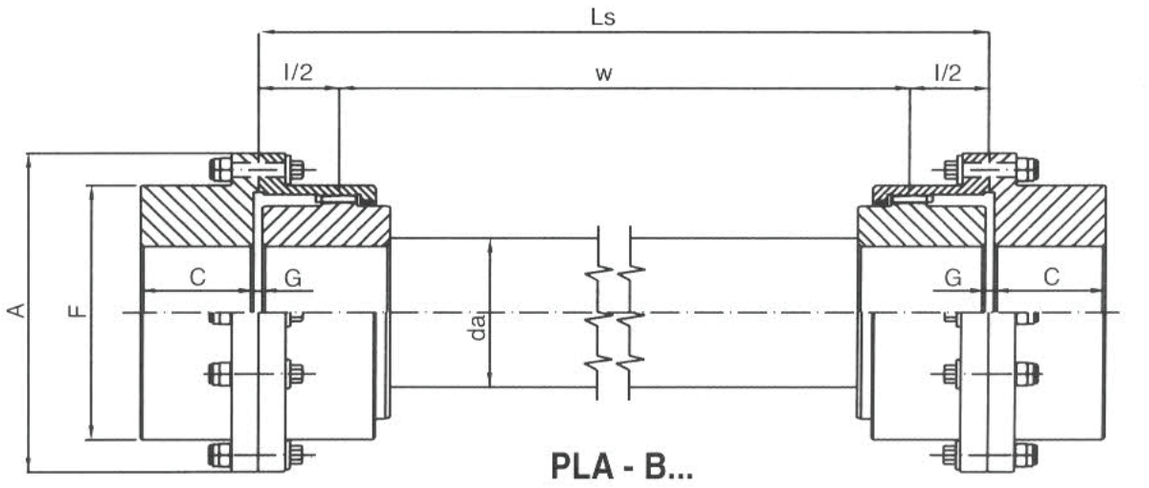


PLA - DUU...

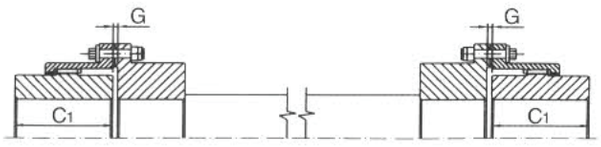


Flangia portaguarnizione grandezze da 280 a 450
Seal Flange sizes from 280 to 450

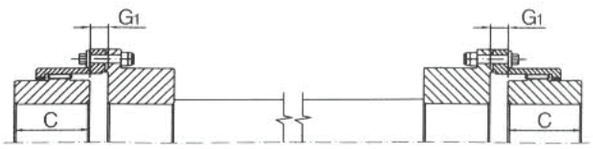
Codice Code	Foro Bore Min/Max	Dimensioni - Dimensions								Coeff.Velocità Speed Param.		Grasso Grease
	mm	A mm	C mm	C1 mm	F mm	I mm	G mm	G2 mm	Ls min. mm	M rpm	N rpm	Kg
PLA-D 40	12/50	111	43	105	82.5	48	3	7	80	9.899	2.018	0.08
PLA-D 55	18/60	142	50	115	104.5	58	3	13	90	10.184	2.066	0.09
PLA-D 70	28/75	168	62	130	130.5	76	3	25	90	9.881	1.961	0.15
PLA-D 85	40/95	200	76	150	158.5	88	5	19	100	10.069	1.985	0.25
PLA-D 100	50/110	225	90	170	183.5	114	5	43	100	10.295	2.027	0.45
PLA-D 120	60/130	265	105	185	211.5	132	6	48	110	10.295	2.027	0.70
PLA-D 140	70/155	300	120	215	245.5	152	6	58	110	10.186	1.964	0.90
PLA-D 160	85/170	330	135	245	275	172	8	66	130	10.406	1.998	1.54
PLA-D 180	95/190	370	150	295	307	200	8	92	150	10.406	1.998	2.30
PLA-D 200	110/120	406	175	300	335	228	8	98	160	10.676	2.048	3.20
PLA-D 220	120/230	438	190	305	367	248	8	108	170	10.676	2.023	3.90
PLA-D 250	130/280	505	220	310	423	292	10	134	180	10.682	2.024	6.10
PLA-D 280	150/325	580	250	-	495	-	12	-	-	-	-	6.50
PLA-D 320	170/370	630	275	-	545	-	12	-	-	-	-	7.20
PLA-D 360	190/400	700	305	-	589	-	12	-	-	-	-	8.50
PLA-D 400	210/430	760	330	-	649	-	12	-	-	-	-	11.40
PLA-D 450	240/475	825	355	-	714	-	12	-	-	-	-	12.50



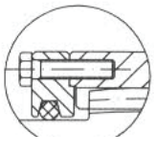
PLA - B...



PLA - CUU...



PLA - CRR...



Flangia portaguarnizione grandezze da 280 a 450
Seal Flange sizes from 280 to 450

Codice Code	Foro Bore Min/Max	Foro Bore Max	Dimensioni - Dimensions								Coeff.Velocità Speed Param.	
	mm	mm	A mm	C mm	C1 mm	F mm	da mm	I mm	G mm	G1 mm	M rpm	N rpm
PLA-B 40	12/50	60	111	43	105	82.5	55	48	3	5	9.899	1.995
PLA-B 55	18/60	75	142	50	115	104.5	65	58	3	8	10.184	1.982
PLA-B 70	28/75	90	168	62	130	130.5	80	76	3	14	9.881	1.962
PLA-B 85	40/95	110	200	76	150	158.5	100	88	5	12	10.069	1.997
PLA-B 100	50/110	130	225	90	170	183.5	110	114	5	24	10.295	2.045
PLA-B 120	60/130	150	265	105	185	211.5	130	132	6	27	10.295	2.016
PLA-B 140	70/155	175	300	120	215	245.5	150	152	6	32	10.186	1.966
PLA-B 160	85/170	195	330	135	245	275	170	172	8	37	10.406	1.969
PLA-B 180	95/190	220	370	150	295	307	190	200	8	50	10.406	1.926
PLA-B 200	110/120	240	406	175	300	335	200	228	8	53	10.676	1.978
PLA-B 220	120/230	260	438	190	305	367	220	248	8	58	10.676	2.043
PLA-B 250	130/280	300	505	220	310	423	250	292	10	72	10.682	2.038
PLA-B 280	150/325	365	580	250	-	495	-	-	12	-	-	-
PLA-B 320	170/370	395	630	275	-	545	-	-	12	-	-	-
PLA-B 360	190/400	425	700	305	-	589	-	-	12	-	-	-
PLA-B 400	210/430	470	760	330	-	649	-	-	12	-	-	-
PLA-B 450	240/475	520	825	355	-	714	-	-	12	-	-	-

Giunti dentati con Manicotto
Toothed Couplings with Sleeve

I giunti dentati con manicotto in poliammide sono giunti commerciali per impiego genrico, che presentano tuttavia un'elevato standard qualitativo ed offrono caratterstiche tecniche e prestazioni tipiche dei giunti industriali. Vengono normalmente impiegati nelle trasmissioni di potenza per il collegamento flessibile di organi rotanti, con possibilità di compensare disallineamenti radiali ed angolari e di assorbire scorrimenti in direzione assiale. Costruttivamente i giunti dentati sono costituiti da due mozzi simmetrici in acciaio e da un manicotto in resina sintetica che assicura l' accoppiamento e la trasmissione di potenza trai due mozzi. I due mozzi in acciaio e con trattamento superficiale anticorrosiaone, sono dotati ciascuno di una corona dentata. Il manicotto cavo a dentatura interna ottenuto da stampaggio ad iniezione, è in poliammide.

Caratteristiche

- Costituiti da due mozzi in acciao ed un manicotto in resina poliammide dentato internamente
- Permettono un'ottima compensazione negli spostamenti assiali, radiali ed angolari nel collegamento degli alberi.
- I giunti con dentatura bombata e l'accoppiamento acciaio-resina non richiedono alcuna manutenzione.
- Di facile montaggio sia in orizzontale che in verticale
- Temperatura di utilizzo da -25°C a +100°C.

Norme di montaggio

- Fissare i due mozzi agli alberi da accoppiare. La facciata interna del mozzo deve risultare a filo dell' estremità del rispettivo albero.
- Infilare il manicotto sui due mozzi e regolare la distanza dei giunti come da quota "G".
- Fissare in questa posizione i due alberi da accoppiare.
- Accertarsi che il manicotto sia libero di spostarsi assialmente.

The toothed couplings with polyamide sleeve joints are commercial general purpose, which, however, have high quality standard and offer technical prescriptions technical and performance typical of industrial couplings. Are normally used in power transmissions for the flexible connection of rotating parts, with the possibility of compensating radial and angular misalignments and absorb reflows in the axial direction. Constructively the toothed couplings are constituted by two symmetrical steel hubs and a synthetic resin sleeve ensures that the 'coupling and power transmission trai two hubs. The two steel hubs and with surface treatment anticorrosiaone, are each provided with a toothed crown. The hollow sleeve with internal toothing formed by injection molding, is made of polyamide.

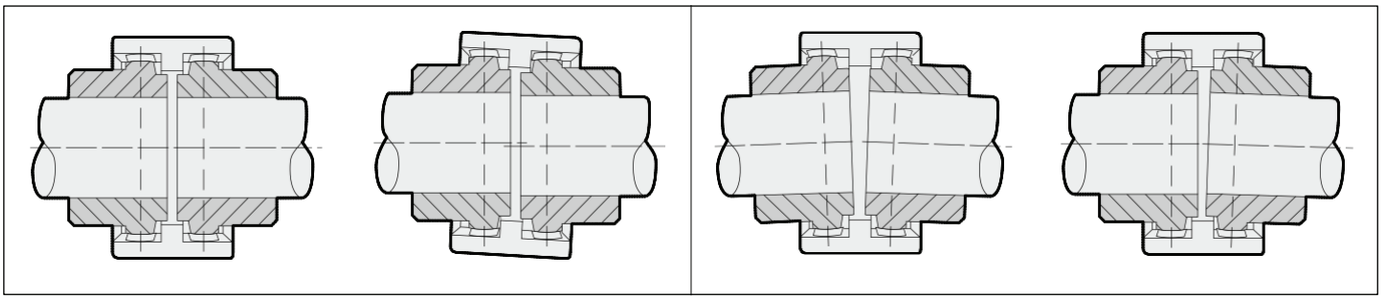
Characteristics

- Consist in two curved toothed hubs made in steel and one internally toothed sleeve made in polyamide.
- Able to compensate for axial, radial and angular misalignments of the connected shafts.
- Steel and polyamide combination makes maintenace-free.
- Easy to be mounted both in vertical and horizontal planes.
- Siutable for temparature form -25°C to +100°C.

Mounting Instructions

- Fix the two hubs to the shafts. The inner sides of the hubs must be aligned with the shaft ends.
- Insert the sleeve on the two hubs and adjust the distance of elements as per size "G".
- Fix to this position the two elements to be coupled.
- The sleeve must be free to move axially.

Disassamenti **Disalignements**

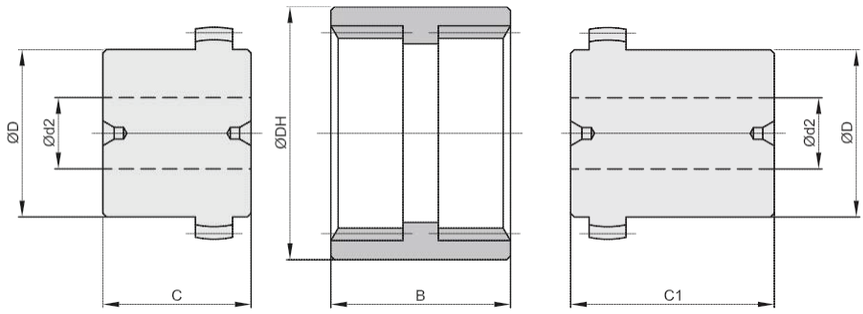


Alberi allineati
Aligned shafts

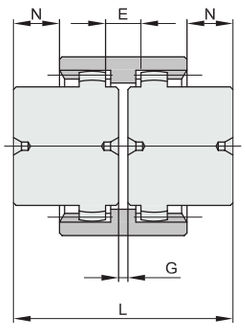
Alberi spostati radialmente
Radial misalignment

Alberi spostati angolarmente
Angular misalignment

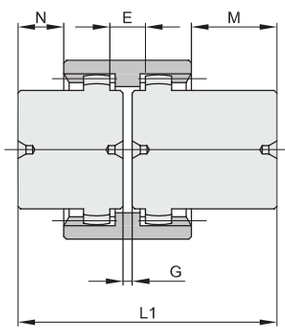
Alberi spostati radialmente
e angolarmente
Radial and angular misalignment



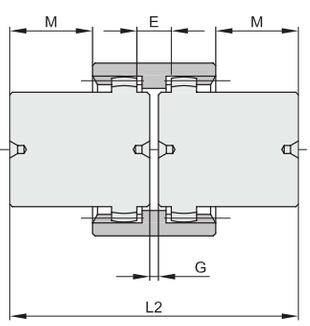
Codice Code	Foro Bore d1	Foro - Bore Max d2	Manicotto - Coupling			Mozzo Standard - Standard Hub			Mozzo Lungo - Long Hub		
	mm	mm	DH mm	B mm	Peso Weight Kg	D mm	C mm	Peso Weight Kg	D mm	C mm	Peso Weight Kg
KFB-14	-	15	40	37	0.02	24	23	0.09	24	40	0.15
KFB-19	-	20	48	37	0.03	30	25	0.15	30	40	0.23
KFB-24	-	24	52	41	0.04	36	26	0.22	36	50	0.40
KFB-28	-	28	66	46	0.07	44	40	0.50	44	55	0.69
KFB-32	-	32	76	48	0.09	50	40	0.67	50	55	0.90
KFB-38	-	38	83	48	0.11	58	40	0.80	58	60	1.30
KFB-42	-	42	92	50	0.14	65	42	1.17	65	60	1.60
KFB-48	-	48	95	50	0.16	67	50	1.43	67	60	1.70
KFB-65	23	65	132	68	0.37	96	55	3.20	96	70	4.05



KFB-SS
2m ozzi standard
2 standard hub

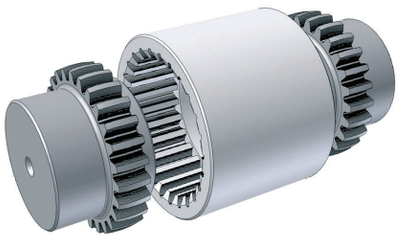


KFB-SL
1 mozzo standard
1 mozzo lungo
1 standard hub
1 long hub

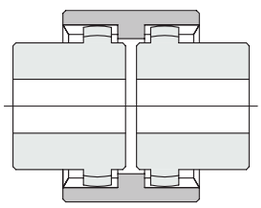


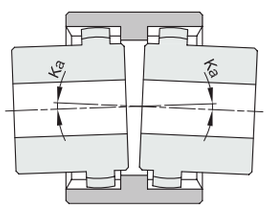
KFB-LL
2m ozzi lunghi
2 long hub

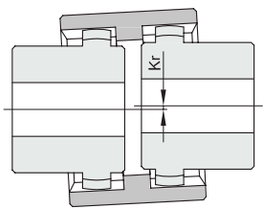
Codice Code	Dimensioni - Dimensions				KFB-SS		KFB-SL		KFB-LL	
	G mm	E mm	M mm	N mm	L mm	Peso Weight Kg	L1 mm	Peso Weight Kg	L2 mm	Peso Weight Kg
KFB-14	4	15	23.5	6.5	50	0.20	67	0.26	84	0.32
KFB-19	4	20	23.5	8.5	54	0.33	69	0.41	84	0.49
KFB-24	4	24	31.5	7.5	56	0.48	80	0.66	104	0.84
KFB-28	4	28	34.0	19.0	84	1.07	99	1.26	114	1.45
KFB-32	4	32	33.0	18.0	84	1.43	99	1.66	114	1.89
KFB-38	4	38	38.0	18.0	84	1.71	104	2.21	124	2.71
KFB-42	4	42	37.0	19.0	88	2.48	106	2.91	124	3.34
KFB-48	4	48	37.0	27.0	104	3.02	114	3.29	124	3.56
KFB-65	4	65	38.0	23.0	114	6.77	129	7.62	144	8.47

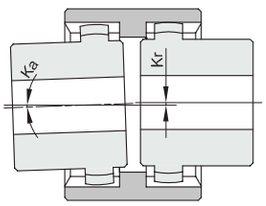


Codice Code	Coppia - Torque		Fattore di Potenza Power factor		Potenza trasmissibile (KW giri/min.) - Transmissible Power								Giri/min.	J*
	norm. Nm	max Nm	norm.	max	750 norm.	750 max	1000 norm	1000 max	1500 norm	1500 max	3000 norm	3000 max	max	Kg/cm²
KFB-14	10	20	0.0010	0.0021	0.79	1.57	1.05	2.09	1.57	3.14	3.14	6.28	14000	0.3
KFB-19	16	32	0.0017	0.0034	1.26	2.51	1.68	3.35	2.51	5.03	5.03	10.05	11800	0.5
KFB-24	20	40	0.0021	0.0042	1.57	3.14	2.09	4.19	3.14	6.28	6.28	12.57	10600	1.0
KFB-28	45	90	0.0047	0.0094	3.53	7.07	4.71	9.42	7.07	14.14	14.14	28.57	8500	3.1
KFB-32	60	120	0.0063	0.0126	4.71	9.42	6.28	12.57	9.42	18.85	18.85	37.70	7500	5.5
KFB-38	80	160	0.0084	0.0168	6.28	12.57	8.38	16.75	12.57	25.13	25.13	50.26	6700	8.7
KFB-42	100	200	0.0105	0.0209	7.85	15.71	10.47	20.94	15.71	31.41	31.41	62.83	6000	14.3
KFB-48	140	280	0.0147	0.0293	10.99	21.99	14.66	29.32	21.99	43.98	43.98	87.96	5600	18.4
KFB-65	380	760	0.0398	0.0796	29.84	59.69	39.79	79.58	59.69	119.37	119.37	238.74	4000	109.0







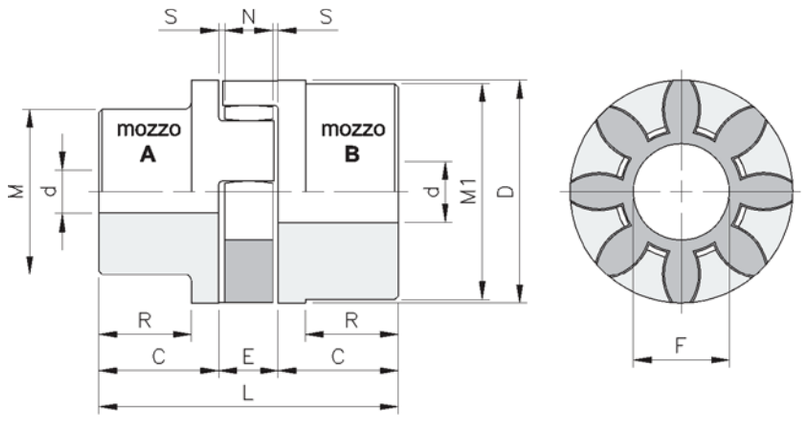


Codice Code	Disassamento max per ogni mozzo - Maximum offset for each Hub		Spostamento assiale - Axial displacement
	Ka °	Kr mm	mm
KFB-14	± 2°	± 0.3	± 1
KFB-19	± 2°	± 0.4	± 1
KFB-24	± 2°	± 0.4	± 1
KFB-28	± 2°	± 0.5	± 1
KFB-32	± 2°	± 0.5	± 1
KFB-38	± 2°	± 0.5	± 1
KFB-42	± 2°	± 0.5	± 1
KFB-48	± 2°	± 0.5	± 1
KFB-65	± 2°	± 0.6	± 1

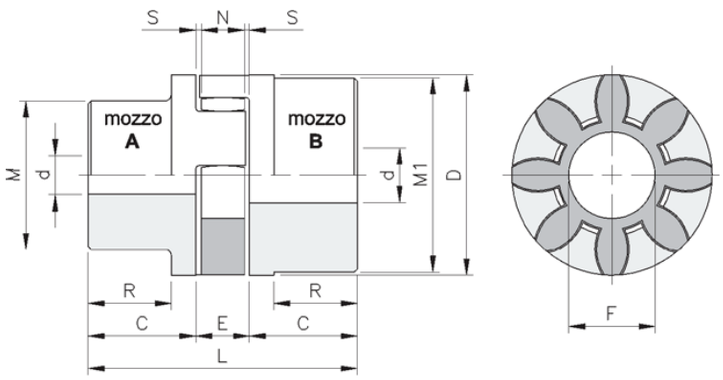
Giunti Elastici Torsionali
Torsional Flexible Couplings

I giunti elastici torsionali sono costituiti da due mozzi in ghisa che presentao ognuno delle sporgenze sul perimetro esterno che puntano verso il mozzo opposto. I due mozzi si innestano liberamente l'uno nell'altro e la cavità che si produce al centro viene riempita da un elemento di interposizione in materiale elastomerico a forma di asterisco. I giunti sono organi di collegamento tra alberi ritanti e svolgendo questa funzione assicurano contemporaneamente le seguenti prestazioni:
- Rendere la trasmisisone esente da urti, smorzando le eventuali vibrazioni dovute al carico o autoindotte.
- Attenuare urti e picchi di coppia in fase di avviamento.
- Compensare leggeri difetti di allineamento tra gli alberi stessi.
Caratteristica saliente di questo tipo di giunti è l'elemento di interposizione, determinante per la coppia nominale di ogni giunto. Il materiale costruttivo dell'elemento di interposizione è di importanza cruciale per la risposta del giunto a fattori di contrasto come vibrazioni, temperatura, agenti chimici, disallineamento, elevati valori di RPM. La curva che esprime la caratteristica elastica dell'elemento di interposizione deve avere andamento progressivo (cedevole ai bassi valori di coppia e rigido ai valori più elevati) per assicurarne un funzionamento privo di strappi in avviamento ed in cedimento torsionale contenuto a regime. Anche la durata in esercizio del giunto dipende dalla resa elastica del materiale di tale elemento. A seconda delle applicazioni e delle condizioni di lavoro sarà opportuno scegliere il materiale più appropriato. Nella esecuzione base viene utilizzato per la corona dentata un elastomero di rigidezza di medio livello, resistente all'invecchiamento, alla fatica, all'abrasione nonchè all'idrolisi e ai principali agenti chimici, con particolare riferimento agli olii. Per i giunti in esecuzione base sono ammesse temperature d'esercizio comprese tra - 40°C e + 125°C con punte fino a + 150°C. Per l'impiego in condizioni particolari sono state studiate e sono disponibili a richiesta mescole alternative in grado di soddisfare ogni necessità. Il grande vantaggio dei giunti elastici torsionali è che anche in caso di distruzione dell'elemento elastico centrale durante il funzionamento, il sistema continuerà a funzionare con sicurezza evitando così i tempi morti della riparazione di emergenza. L'elemento di interposizione potrà quindi essere sostituito in un momento più opportuno. I giunti elastici torsionali sono particolarmente indicati per macchine azionate da motori elettrici in servizio continuo, pompe, riduttori, etc...

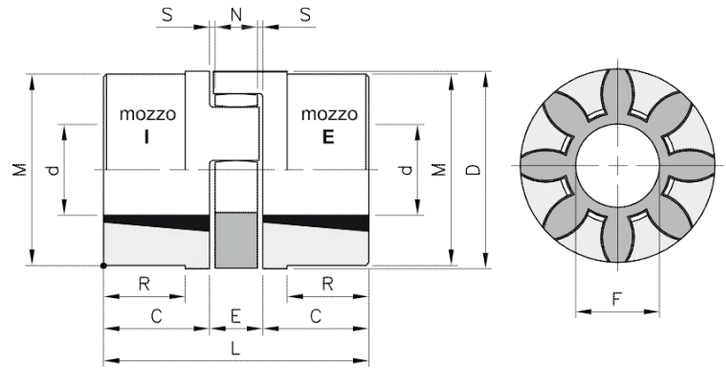
The design of flexible couplings is characterized by two cast iron hubs having each stubby protrusions around their perimeters pointing toward the opposite hub. the two hubs mesh loosely together, and the gaps between them are filled with blocks of elastomeric material, moulded into an asterisk-shaped element called spinder. Couplings are elements connecting two rotating shafts, and beyond transmitting power from one shaft to the other they perform the following functions:
- Ensure a torque transmission free from shocks by damping any torsional vibrations, either due to load or self-induced.
- Minimize torque shocks and peaks at a starting phase.
- Compensate for slight angular and parallel shaft misalignments.
In flexible couplings the spider is the element determinant for th torque rating of every coupling. Its constructive material can make a significant difference in the coupling response to contrast factors such as vibration, temperature, chemicals, misalignment, high RPM. The curve that expresses the elastic characteristic of the intermediate must have a progressive trend (yielding at low torque and drive to higher values) to ensure safe operation and jerk-free starting in torsional failure in content to the regime. Even the service life of the coupling depends on the resilience of the material of that element. Depending on the applications and the working conditions will be appropriate to choose the most suitable material . In the basic version is used for the ring gear of an elastomer stiffness mid-level , resistant to aging , fatigue , abrasion as well as hydrolysis and chemical agents , particularly with regard to oil . For joints in the basic version are permissible operating temperatures between - 40 ° C to + 125 ° C with peaks up to + 150 ° C. For use in special conditions have been studied and are available on request compounds alternatives that will meet your needs. The great advantage of the torsional elastic couplings is that even in the case of destruction of the elastic central during operation , the system will continue to operate with safety thus avoiding dead times of emergency repair . The intermediary component can be replaced at a more opportune time . Flexible couplings are generally recimmended for continuous-duty electric motordriven machinery, pumps, greaboxes, etc...



Codice Code	Preforo Mozzo - Prehole Hub		Foro - Hole Max		Dimensioni - Dimensions									
	A mm	B mm	A mm	B mm	C mm	D mm	E mm	F mm	M mm	M1 mm	N mm	R mm	S mm	L mm
KGEB 19-24	-	-	19	24	25	40	16	18	30	40	12	19.0	2.0	66
KGEB 24-32	-	-	24	32	30	55	18	27	40	55	14	24.0	2.0	78
KGEB 28-38	-	-	28	38	35	65	20	30	48	65	15	27.5	2.5	90
KGEB 38-45	-	-	38	45	45	80	24	38	66	78	18	36.5	3.0	114
KGEB 42-55	-	-	42	55	50	95	26	46	75	94	20	40.0	3.0	126
KGEB 48-60	-	-	48	60	56	105	28	51	85	104	21	45.0	3.5	140
KGEB 55-70	-	-	55	70	65	120	30	60	98	118	22	52.0	4.0	160
KGEB 65-72	-	-	65	75	75	135	35	68	115	134	26	61.0	4.5	185
KGEB 75-90	-	-	75	90	85	160	40	80	135	158	30	69.0	5.0	210
KGEB 90-100	38	38	90	100	100	200	45	100	160	180	34	81.0	5.5	245

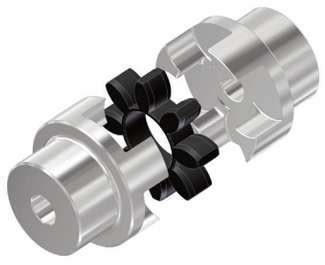


Codice Code	Preforo Mozzo - Prehole Hub		Foro - Hole Max		Dimensioni - Dimensions									
	A mm	B mm	A mm	B mm	C mm	D mm	E mm	F mm	M mm	M1 mm	N mm	R mm	S mm	L mm
KGEB19-24 AL	-	10	19	24	25	40	16	18	30	40	12	19.0	2.0	66
KGEB 24-32 AL	8	14	24	32	30	55	18	27	40	55	14	24.0	2.0	78
KGEB 28-38 AL	10	16	28	38	35	65	20	30	48	65	15	27.5	2.5	90
KGEB 38-45 AL	12	20	38	45	45	80	24	38	66	78	18	36.5	3.0	114

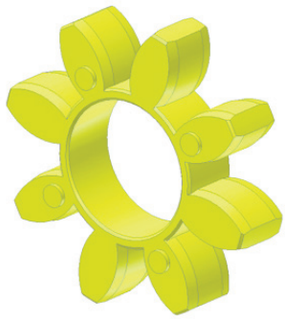


Codice Code	Bussola Taper Bush	Foro - Hole		Dimensioni - Dimensions								
	Tipo Type	Min. mm	Max mm	C mm	D mm	E mm	F mm	M mm	N mm	R mm	S mm	L mm
KGEB 28-38 TL	1108	11	28	23	65	20	30	65	15	-	2.5	66
KGEB 38-45 TL	1108	11	28	23	80	24	38	78	18	15	3.0	70
KGEB 42-55 TL	1610	12	42	26	95	26	46	94	20	16	3.0	78
KGEB 48-60 TL	1615	14	42	39	105	28	51	104	21	28	3.5	106
KGEB 55-70 TL	2012	15	50	33	120	30	60	118	22	20	4.0	96
KGEB 75-90 TL	2517	19	65	52	160	40	80	158	30	41	5.0	144

KGEB.....TL



KGEB.....AL



Codice Code	Giri/ min.	Momenti Torcenti - Torques Nm		
	max	TK norm.	TK max	TKW invers.
KGEB 19-24	14000	10	20	2.6
KGEB 24-32	10600	35	70	9.1
KGEB 28-38	8500	95	190	25.0
KGEB 38-45	7100	190	380	49.0
KGEB 42-55	6000	265	530	69.0
KGEB 48-60	5600	310	620	81.0
KGEB 55-70	4750	410	820	107.0
KGEB 65-75	4250	625	1250	163.0
KGEB 75-90	3550	1280	2560	333.0
KGEB 90-100	2800	2400	4800	624.0

Colore Giallo - *Yellow Color* - 92 Shore A

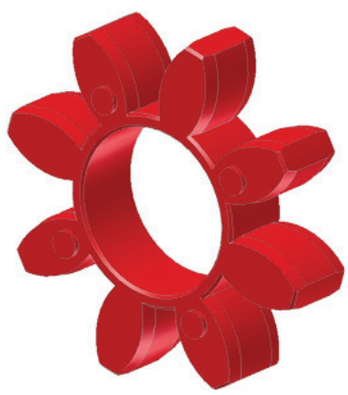
- Angolo di torsione normale - *Normal Torsion Angle* - 3,2°
- Angolo di Torsione max - *Torsion Angle max* - 5°
- Temperatura d' impiego - *Using Temperature* - 40°C / + 125°C

Codice Code	Giri/ min.	Momenti Torcenti - Torques Nm		
	max	TK norm.	TK max	TKW invers.
KGEB 19-24	14000	12	24	3.2
KGEB 24-32	10600	43	86	11.4
KGEB 28-38	8500	126	233	30.6
KGEB 38-45	7100	235	470	61.0
KGEB 42-55	6000	326	653	85.0
KGEB 48-60	5600	381	763	99.7
KGEB 55-70	4750	500	1003	130.7
KGEB 65-75	4250	730	1460	190.0
KGEB 75-90	3550	1493	2986	388.3
KGEB 90-100	2800	2800	5600	728.0

Colore Nero - *Black Color* - 94 Shore A

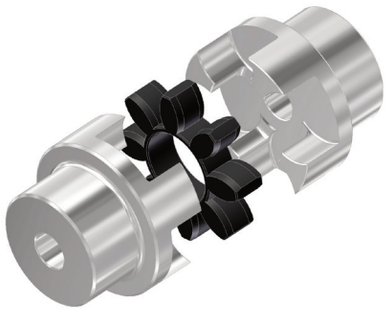
- Angolo di torsione normale - *Normal Torsion Angle* - 3,2°
- Angolo di Torsione max - *Torsion Angle max* - 5°
- Temperatura d' impiego - *Using Temperature* - 40°C / + 125°C

Codice Code	Giri/ min.	Momenti Torcenti - Torques Nm		
	max	TK norm.	TK max	TKW invers.
KGEB 19-24	14000	17	34	4.4
KGEB 24-32	10600	60	120	16.0
KGEB 28-38	8500	160	320	42.0
KGEB 38-45	7100	325	650	85.0
KGEB 42-55	6000	450	900	117.0
KGEB 48-60	5600	525	1050	137.0
KGEB 55-70	4750	685	1370	178.0
KGEB 65-75	4250	940	1880	244.0
KGEB 75-90	3550	1920	3840	499.0
KGEB 90-100	2800	3600	7200	936.0

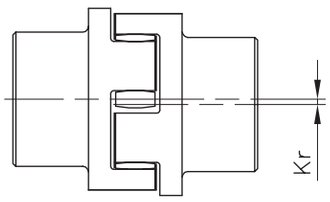


Colore Rosso - *Red Color* - 98 Shore A

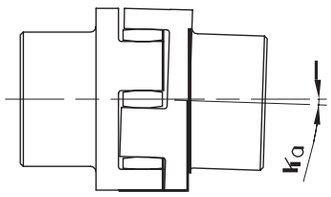
- Angolo di torsione normale - *Normal Torsion Angle* - 3,2°
- Angolo di Torsione max - *Torsion Angle max* - 5°
- Temperatura d' impiego - *Using Temperature* - 40°C / + 125°C



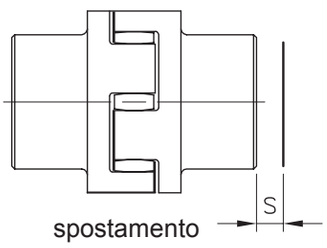
Codice Code	Massa Giunti - Couplings Mass- KGEB....				Massa Giunti - Couplings Mass- KGEB....TL				Massa Giunti - Couplings Mass- KGEB....AL			
	Elemen. Elastic Kg.	Mozzo - Hub A Kg.	Mozzo - Hub B Kg.	J Kg/cm²	Elemen. Elastic Kg.	Mozzo - Hub A Kg.	Mozzo - Hub A Kg.	J Kg/cm²	Elemen. Elastic Kg.	Mozzo - Hub A Kg.	Mozzo - Hub A Kg.	J Kg/cm²
KGEB 19-24	0.004	0.18	0.25	0.8	-	-	-	-	0.004	0.07	0.08	0.4
KGEB 24-32	0.014	0.36	0.55	3.0	-	-	-	-	0.014	0.13	0.18	1.0
KGEB 28-38	0.025	0.60	0.85	7.0	0.025	0.50	0.50	7.0	0.025	0.22	0.30	3.0
KGEB 38-45	0.042	1.35	1.65	20.0	0.042	0.88	0.88	26.0	0.042	0.48	0.55	8.0
KGEB 42-55	0.066	2.00	2.30	50.0	0.066	1.40	1.40	36.0	-	-	-	-
KGEB 48-60	0.088	2.75	3.10	80.0	0.088	2.33	2.33	78.0	-	-	-	-
KGEB 55-70	0.116	4.20	4.50	160.0	0.116	2.42	2.42	120.0	-	-	-	-
KGEB 65-72	0.172	6.50	6.80	310.0	-	-	-	-	-	-	-	-
KGEB 75-90	0.325	10.00	10.80	680.0	0.325	6.80	6.80	630.0	-	-	-	-
KGEB 90-100	0.440	14.00	15.80	1590.0	-	-	-	-	-	-	-	-



disassamento
offset



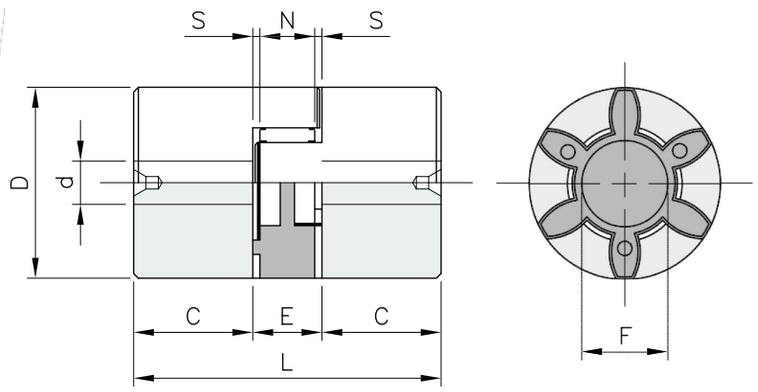
disassamento
offset



spostamento
shift

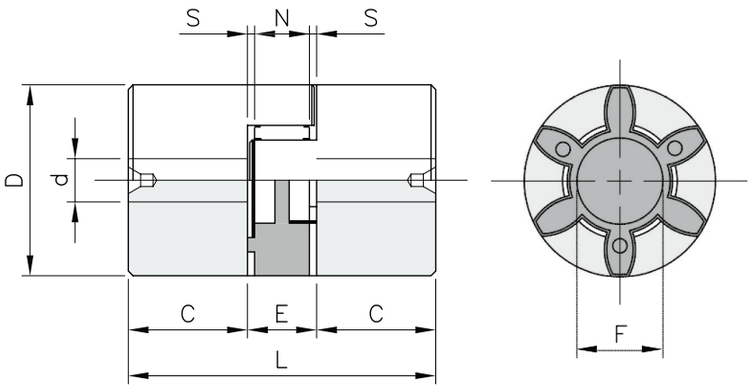
Codice Code	Disassamento - Offset Max		Spostamento Assiale - Axial Shift
	Angol. Ka	Radial Kr	S mm
KGEB 19-24	1.2°	0.20	1.2
KGEB 24-32	0.9°	0.22	1.4
KGEB 28-38	0.9°	0.25	1.5
KGEB 38-45	1.0°	0.28	1.8
KGEB 42-55	1.0°	0.32	2.0

Codice Code	Disassamento - Offset Max		Spostamento Assiale - Axial Shift
	Angol. Ka	Radial Kr	S mm
KGEB 48-60	1.1°	0.36	2.1
KGEB 55-70	1.1°	0.38	2.2
KGEB 65-72	1.2°	0.42	2.6
KGEB 75-90	1.2°	0.48	3.0
KGEB 90-100	1.2°	0.50	3.4



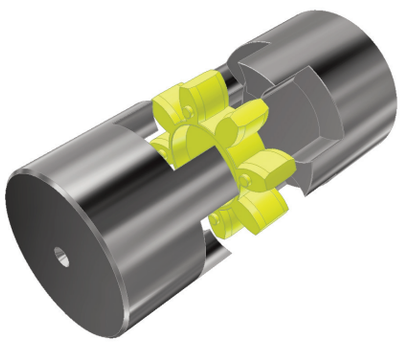
Codice Code	Foro - Hole		Dimensioni Mozzo - Hub Dimensions						
	Min. mm	Max mm	C mm	D mm	E mm	F mm	N mm	S mm	L mm
KGEB 9 SG	4	10	10	20	10	7.2	8	1.0	30
KGEB 14 SG	4	16	11	30	13	10.5	10	1.5	35
KGEB 19-24 SG	8	20	25	40	16	18.0	12	2.0	66

Materiale - Alluminio - *Material - Alloy*

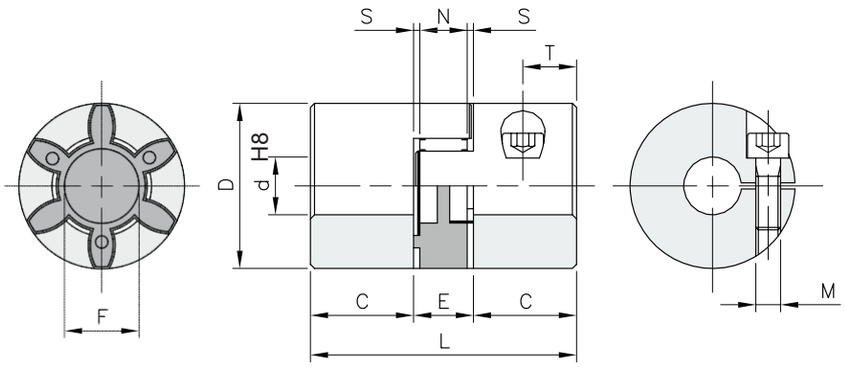


Codice Code	Foro - Hole		Dimensioni Mozzo - Hub Dimensions						
	Min. mm	Max mm	C mm	D mm	E mm	F mm	N mm	S mm	L mm
KGEB 24-28 SG	12	28	30	55	18	27	14	2.0	78
KGEB 28-38 SG	18	35	35	65	20	30	15	2.5	90
KGEB 38-45 SG	18	45	45	80	24	38	18	3.0	114

Materiale - Alluminio - *Material - Alloy*

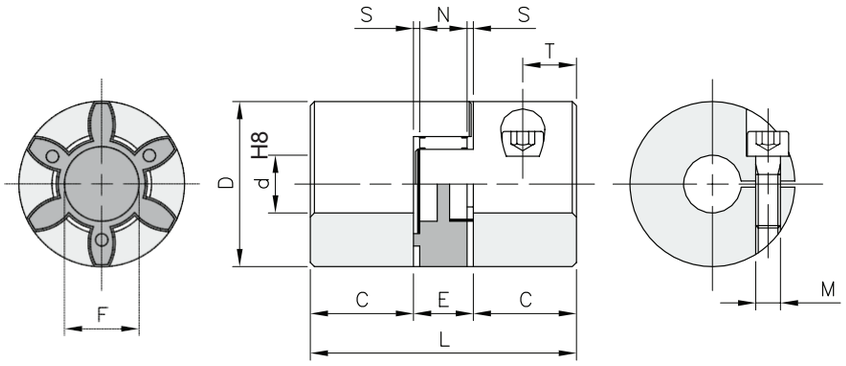


KGEB.....SGFF (Senza Gioco con Foro Finito - Backlash with Finished Bore)



Codice Code	Foro - Hole		Dimensioni Mozzo - Hub Dimensions							Viti di Serraggio - Blocking Screew		
	Min. mm	Max mm	C mm	D mm	E mm	F mm	N mm	S mm	L mm	M	T mm	Ms Nm
KGEB 9 SGFF	4	11	10	20	10	7.2	8	1.0	30	M2.5x8	5	0.7
KGEB 14 SGFF	5	16	11	30	13	10.5	10	1.5	35	M3x14	5	1.4
KGEB 19-24 SGFF	8	24	25	40	16	18.0	12	2.0	66	M6x18	12	11.0

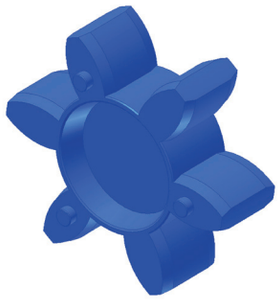
Materiale - Alluminio - *Material - Alloy*



Codice Code	Foro - Hole		Dimensioni Mozzo - Hub Dimensions							Viti di Serraggio - Blocking Screew		
	Min. mm	Max mm	C mm	D mm	E mm	F mm	N mm	S mm	L mm	M	T mm	Ms Nm
KGEB 24-28 SGFF	10	28	30	55	18	27	14	2.0	78	M6x22	12	11.0
KGEB 28-38 SGFF	14	38	35	65	20	30	15	2.5	90	M8x25	13	25.0
KGEB 38-45 SGFF	15	45	45	80	24	38	18	3.0	114	M8x35	16	25.0

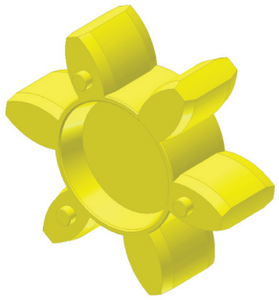
Materiale - Alluminio - *Material - Alloy*

Codice Code	Giri/ min.	Momenti Torcenti - Torques Nm		
	max	TK norm.	TK max	Kg.
KGEB 9 SG	28000	1.8	3.6	0.002
KGEB 14 SG	19000	4.0	8.0	0.005
KGEB 19-24 SG	14000	4.9	9.8	0.007
KGEB 24-28 SG	10600	17.0	34.0	0.018
KGEB 28-38 SG	8500	46.0	92.0	0.029
KGEB 38-45 SG	7100	96.0	188.0	0.049



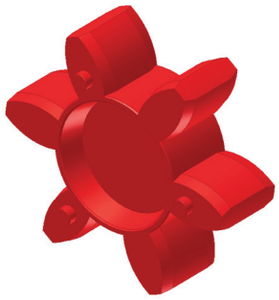
Colore Blu - *Blue Color* - 80 Shore A

Codice Code	Giri/ min.	Momenti Torcenti - Torques Nm		
	max	TK norm.	TK max	Kg.
KGEB 9 SG	28000	3.0	6.0	0.002
KGEB 14 SG	19000	7.5	15.0	0.005
KGEB 19-24 SG	14000	10.0	20.0	0.007
KGEB 24-28 SG	10600	35.0	70.0	0.018
KGEB 28-38 SG	8.500	95.0	190.0	0.029
KGEB 38-45 SG	7100	190.0	380.0	0.049

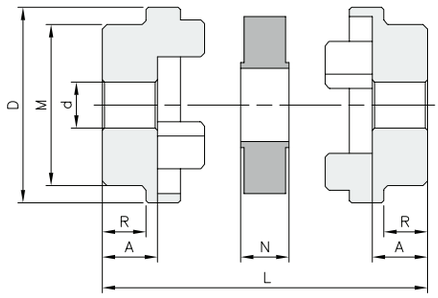


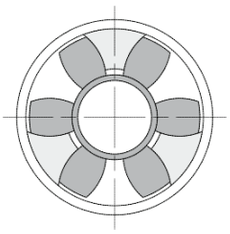
Colore Giallo - *Yellow Color* - 92 Shore A

Codice Code	Giri/ min.	Momenti Torcenti - Torques Nm		
	max	TK norm.	TK max	Kg.
KGEB 9 SG	28000	5.0	10.0	0.002
KGEB 14 SG	19000	12.5	25.0	0.005
KGEB 19-24 SG	14000	17.0	34.0	0.007
KGEB 24-28 SG	10600	60.0	120.0	0.018
KGEB 28-38 SG	8500	160.0	320.0	0.029
KGEB 38-45 SG	7100	325.0	350.0	0.049



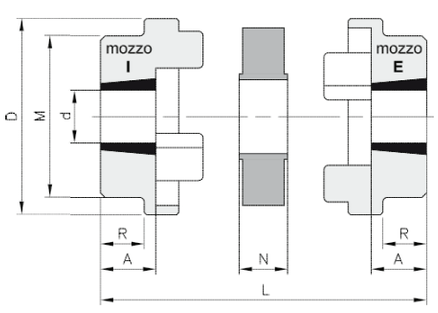
Colore Rosso - *Red Color* - 98 Shore A

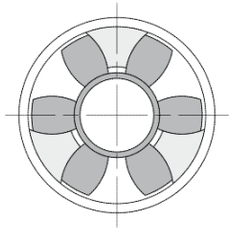




Codice Code	Preforo Pre Hole	Foro Hole	Dimensioni - Dimensions						
	d mm	max mm	A mm	D mm	M mm	N mm	R mm	L mm	Kg.
KGEB 70 HRC	8	32	23.5	69	60	18.0	20.0	65.0	0.60
KGEB 90 HRC	10	42	30.0	85	70	22.5	26.0	82.5	1.07
KGEB 110 HRC	10	55	45.0	112	100	29.0	37.0	119.0	3.05
KGEB 130 HRC	15	60	55.5	130	105	36.0	47.0	147.0	4.45
KGEB 150 HRC	20	70	60.0	150	115	40.0	50.0	160.0	6.10
KGEB 180 HRC	25	80	70.0	180	125	49.0	58.0	189.0	9.20
KGEB 230 HRC	25	100	90.0	225	155	59.5	77.0	239.5	17.75
KGEB 280 HRC	30	115	105.5	275	206	74.5	90.0	285.5	35.75

Materiale - Ghisa - *Material - Cast Iron*

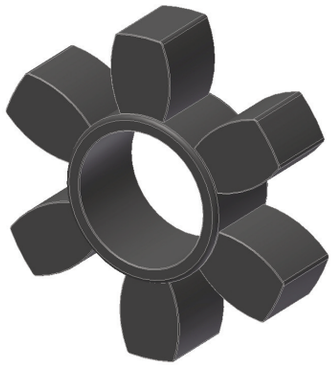




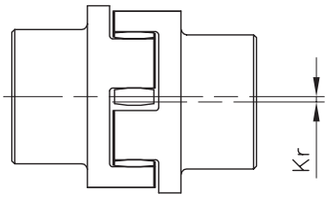
Codice Code	Bussola Taper Bush	Foro - Hole		Dimensioni - Dimensions						
		Min. mm	Max mm	A mm	D mm	M mm	N mm	R mm	L mm	Kg.
KGEB 70 HRCTL	1008	11	25	23.5	69	60	18.0	20.0	65.0	0.44
KGEB 90 HRCTL	1108	11	28	23.5	85	70	22.5	19.5	69.5	0.72
KGEB 110 HRCTL	1610	12	42	26.5	112	100	29.0	18.5	82.0	1.60
KGEB 130 HRCTL	1610	12	42	26.5	130	105	36.0	18.0	89.0	2.27
KGEB 150 HRCTL	2012	15	50	33.5	150	115	40.0	23.5	107.0	3.30
KGEB 180 HRCTL	2517	19	65	46.5	180	125	49.0	34.5	142.0	5.37
KGEB 230 HRCTL	3020	25	75	52.5	225	155	59.5	39.5	164.5	9.53
KGEB 280 HRCTL	3525	35	90	66.5	275	206	74.5	51.0	207.5	20.50

Materiale - Ghisa - *Material - Cast Iron*

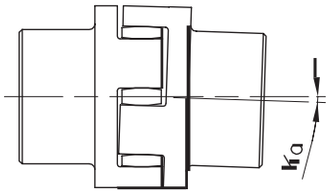
Codice Code	Giri/ min.	Momenti Torcenti - Torques Nm		
	max	TK norm.	TK max	Kg.
KGEB 70 HRC	8100	31	72	0.016
KGEB 90 HRC	6500	80	180	0.050
KGEB 110 HRC	5200	160	360	0.080
KGEB 130 HRC	4100	315	720	0.150
KGEB 150 HRC	3600	600	1500	0.220
KGEB 180 HRC	3000	950	2350	0.380
KGEB 230 HRC	2600	2000	5000	0.800
KGEB 280 HRC	2200	3150	7200	1.530



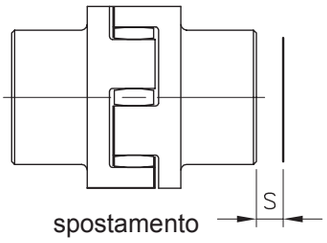
Colore Nero - *Black Color* - 92 Shore A



disassamento
offset



disassamento
offset



spostamento
shift

Codice Code	Disassamento - Offset Max		Spostamento Assiale - Axial Shift
	Angol. Ka	Radial Kr	S mm
KGEB 70 HRC	1.0°	0.3	+0.2
KGEB 90 HRC	1.0°	0.3	+0.5
KGEB 110 HRC	1.0°	0.3	+0.6
KGEB 130 HRC	1.0°	0.4	+0.8
KGEB 150 HRC	1.0°	0.4	+0.9
KGEB 180 HRC	1.0°	0.4	+1.1
KGEB 230 HRC	1.0°	0.5	+1.3
KGEB 280 HRC	1.0°	0.5	+1.7