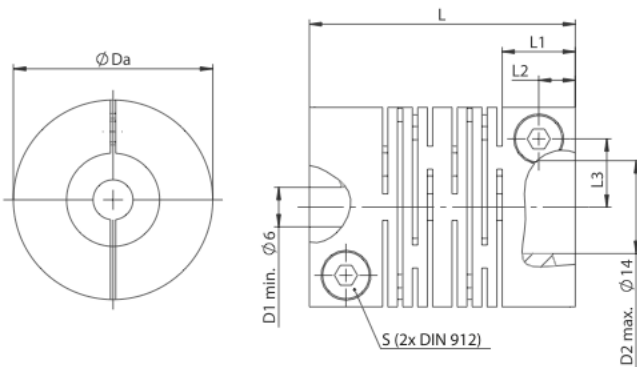


Federstegkupplungen FKA / FKS / FKE mit Klemmnabe

Sliced coupling FKA / FKS / FKE with clamping hub



Merkmale

- Ganzmetallkupplung aus einem Teil
- Winkeltreue Kraftübertragung
- Spielfrei
- Absolut torsionssteif
- Biegeelastisch
- Erhältlich in drei Materialien (Aluminium/Stahl/Edelstahl)
- Für Servomotoren bestens geeignet
- Hohe Temperaturbeständigkeit (150°C)
- Wartungs- und verschleißfrei

Bestellbezeichnung / Beispiel:

FKA-30 - 10H7 - 12H7
 Typ+Größe Bohrung D1 Bohrung D2

Characteristics

- Full metal coupling made of one part
- Isogonal power transmission
- Zero backlash
- Extremely torsionally stiff
- Resiliently flexible
- Available in three materials (aluminium, steel, stainless steel)
- Ideal for servomotors
- High level of thermal stability (150°C)
- Maintenance-free and non-wearing

Order description / example:

FKA-30 - 10H7 - 12H7
 Type+Size Bore D1 Bore D2

Bezeichnung Description	Baugröße Size	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	D1 [mm]	D2 [mm]	Da [mm]	Klemmschraube S [DIN 912] Clamping screw S [DIN 912]	Anzugsmoment der Schrauben [Nm] Tightening torque of screws [Nm]
FKA	10	16	4.5	2.20	–	3-5	3-5	10	M2.5 [DIN 916]	1.6
FKA	12	16	5.0	2.50	–	3-7	3-7	12	M2.5 [DIN 916]	1.6
FKA / FKS / FKE	16	23	7.0	3.50	4.7	3-6	3-6	16	M2.5	1.6
FKA / FKS / FKE	18	17	5.0	2.50	5.5	3-6	3-6	18	M2.5	1.6
FKA / FKS / FKE	20	28	8.0	4.00	6.5	4-8	4-8	20	M2.5	1.6
FKA / FKS / FKE	22	20	5.5	2.75	7.2	3-10	3-10	22	M2.5	1.6
FKA / FKS / FKE	25	28	8.0	4.00	9.0	6-12	6-12	25	M3	1.9
FKA / FKS / FKE	30	40	11.0	5.50	10.5	6-14	6-14	30	M4	4.3
FKA / FKS / FKE	40	48	11.0	5.50	14.0	8-19	8-19	40	M5	8.5
FKA / FKS / FKE	50	65	19.0	9.50	18.5	12-26	12-26	50	M6	14.5
FKA / FKS / FKE	60	80	25.0	12.50	21.0	14-28	14-28	60	M8	35
FKA / FKS / FKE	70	95	25.0	12.50	25.0	20-35	20-35	70	M8	35
FKA / FKS / FKE	80	100	25.0	12.50	29.0	25-42	25-42	80	M8	35

Aluminiumversion FKA
Version in aluminium FKA


Baugröße Size	Drehmoment Torque [Nm]	Gewicht Weight [g]	Drehzahl Speed [min ⁻¹]	Angular Angular [°]	Axial Axial [mm]	Lateral Lateral [mm]	Torsionssteifigkeit Torsional stiffness [Nm/rad]x10 ³
10	1	4	8000	1	0.2	0.15	0.1
12	1.5	5	8000	1	0.2	0.15	0.1
16	3	10	10000	1	0.6	0.40	0.3
18	2	8	10000	1	0.4	0.30	0.2
20	3	20	9500	2	0.2	0.20	0.8
22	2	15	9500	1	0.4	0.30	0.2
25	6	30	8000	2	0.2	0.20	3.4
30	8	50	6000	1.7	0.2	0.20	4.6
40	18	110	5000	1.7	0.2	0.30	11.0
50	30	300	5000	1.4	0.2	0.30	24.0
60	65	400	4500	1.4	0.3	0.30	54.0
70	120	700	4000	1.1	0.3	0.30	88.0
80	170	900	3500	1.1	0.3	0.30	93.0

Stahlversion FKS
Version in steel FKS


Baugröße Size	Drehmoment Torque [Nm]	Gewicht Weight [g]	Drehzahl Speed [min ⁻¹]	Angular Angular [°]	Axial Axial [mm]	Lateral Lateral [mm]	Torsionssteifigkeit Torsional stiffness [Nm/rad]x10 ³
16	6	28	10000	1.0	0.6	0.40	0.8
18	6	18	10000	1.0	0.6	0.40	0.7
20	10	45	9500	1.0	0.6	0.20	0.8
22	6	40	9500	1.0	0.6	0.40	0.9
25	14	75	8000	2.0	0.6	0.20	6.0
30	18	140	6000	1.7	0.8	0.20	8.0
40	30	320	5000	1.7	0.8	0.30	21.0
50	60	650	5000	1.0	1.0	0.30	50.0
60	110	1300	4500	1.0	1.0	0.30	95.0
70	190	1850	4000	1.0	1.0	0.30	120.0
80	240	3100	3500	1.0	1.0	0.20	130.0

Edelstahlversion FKE
Version in stainless steel FKE


Baugröße Size	Drehmoment Torque [Nm]	Gewicht Weight [g]	Drehzahl Speed [min ⁻¹]	Angular Angular [°]	Axial Axial [mm]	Lateral Lateral [mm]	Torsionssteifigkeit Torsional stiffness [Nm/rad]x10 ³
16	6	28	10000	1.0	0.6	0.4	0.8
18	6	18	10000	1.0	0.6	0.4	0.7
20	10	45	9500	1.0	0.2	0.2	0.8
22	6	40	9500	1.0	0.6	0.4	0.9
25	14	75	8000	2.0	0.2	0.2	6.0
30	18	140	6000	1.7	0.2	0.2	8.0
40	30	320	5000	1.7	0.2	0.3	21.0
50	60	650	5000	1.0	0.2	0.3	50.0
60	110	1300	4500	1.0	0.2	0.3	95.0
70	190	1850	4000	1.0	0.2	0.3	120.0
80	240	3100	3500	1.0	0.2	0.2	130.0