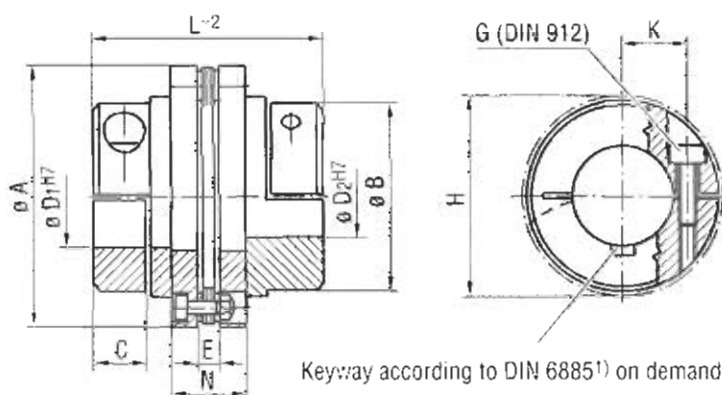


Flexible disc couplings

Series FSD with clamping hub



Ordering data

FSD	150	30 ^{H7}	35 ^{H7}	XX
Type				
Bore diameter D ₁				
Bore diameter D ₂				
Further details, e.g. special material, keyway 3)				

Technical Data – Series FSD

Available from Peter GmbH (see address on the back page)

TYPE	18	30	60	80	150	200	300	500
Nominal moment (Nm) T _{KN}	18	30	60	80	150	200	300	500
Torsional stiffness (10 ³ Nm/rad) C _{tdyn}	5	12	48	48	85	85	160	339
Axial force during max. axial misalignment (N) F _A	76	98	116	116	166	166	232	586
Moment of inertia (10 ³ Kg·m ²) J	0.1	0.2/0.25	0.5/0.6	2/3.2	2.7/4	4/5.5	7/8	18
Tightening torque for retaining screws (Nm) M _A	6/6	15/12	40/30	60/50	80/50	100/80	110/90	145
Weight (ca. kg) m	0.25	0.4/0.5	0.7/0.8	2.6/3.3	3/3.5	4/4.5	5/5.2	8
Allowed axial misalignment (mm) ΔK _a	0.3	0.4	0.7	0.7	0.8	0.8	0.9	1.2
Allowed angular misalignment (degree) ΔK _w	1	1	1	1	1	1	1	1
Max. rotating speed at V = 30 m/s (rpm) n _{max}	11250	8430	7165	7165	6050	6050	5120	4100

Dimensions (mm) – Series FSD

Available from Peter GmbH (see address on the back page)

TYPE	18	30	60	80	150	200	300	500
L-2	63	79	82.5	91.5	94	102	103	114
∅ A	50	68	80	80	95	95	110	140
∅ B	45	47/56	57/66	68/84	68/84	80/90	90/96	110
∅ D ₁ ^{H7} / ∅ D ₂ ^{H7} 2)								
- min.	10/20	10/20	14/23	20/28	20/28	25/32	32/40	40
- max.	20/25	20/25	23/35	28/40	28/40	32/42	40/45	60
E	8	9	6.5	6.5	7.5	7.5	6.2	7.4
N	24	30	24.5	24.5	25.5	25.5	26	30
C	11	15	19.5	21.5	21.5	25.5	26	28
G	M5	M6	M8	M10	M10	M12	M12	M12
K	17.5	16/20	20/24	24/28	24/28	26/31	32/35	40
H (clearance diameter)	48	56	70	84	84	93	102	108

Hubs 18 to 60 made of aluminum, Hubs 80 to 500 made of steel, other materials available on request.

1) Tolerance of keyway: Standard JS9.

2) Smaller ∅ possible for lower torque of transmission.

3) Stainless steel version also available.