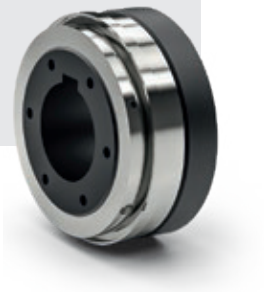
SKP

With keyway connection

0.1 – 2,800 Nm



Features
- Integral bearing to support sprockets, gears, and other drive elements
- Compact simple design
- Adjustable torque settings

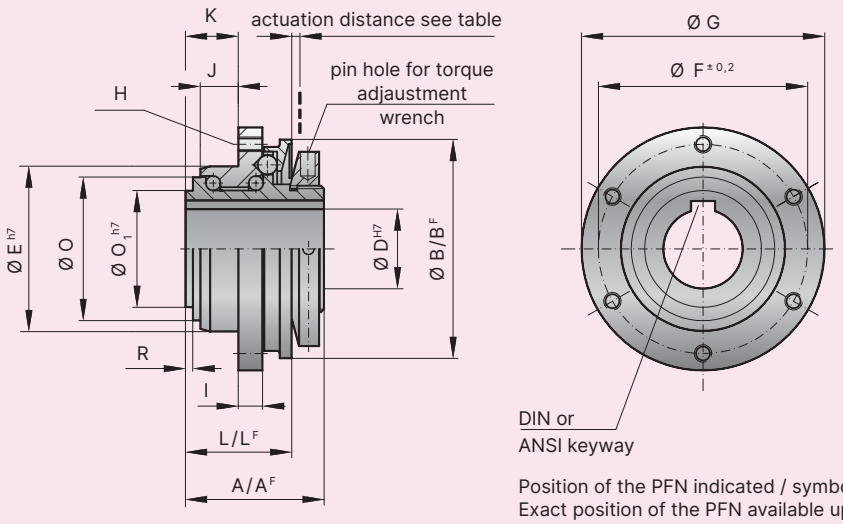
Material
- **Torque limiter element:** hardened steel

Design
With DIN 6885 or ANSI B17.1 key- way. Torque limiter system: spring loaded ball-detent principle. Operable temperature range from -30˚C to +120˚C.

Available function systems
- W = Single position / automatic re-engagement (standard)
- D = Multi position / automatic re-engagement
- G = Load holding / load blocking
- F = Full disengagement / manual re-engagement

Miniature design Size 1.5 - 10

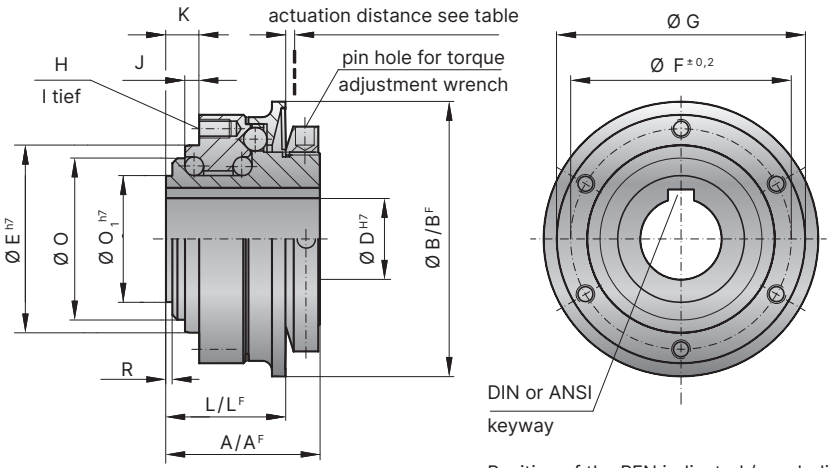
Standard with keyway mounting



Position of the PFN indicated / symbolic representation only. Exact position of the PFN available upon request.

Standard design Size 15 - 2,500

Standard with keyway mounting



Position of the PFN indicated / symbolic representation only. Exact position of the PFN available upon request.

Model SKP

			Miniature design													
Size			**1.5**	**2**	**4.5**	**10**	**15**	**30**	**60**	**150**	**200**	**300**	**500**	**800**	**1,500**	**2,500**
Adjustment range available from - to (approx. values)	(Nm)	T_{KN}	0.1-0.6 0.4-1 0.8-2	0.2-1.5 0.5-2.2 1.5-3.5	1-3 2-4.5 3-7	2-6 4-12 7-18	5-15 12-25 20-40 35-70	5-20 10-30 20-60 50-100	10-30 25-80 50-115	20-70 45-150 80-225	30-90 60-160 140-280 250-400	100-200 150-240 220-440	80-200 200-350 320-650	400-650 500-800 650-950	600-800 700-1,200 1,000-1,800	1,500-2,000 2,000-2,500 2,300-2,800
Adjustment range available from - to (approx. values) ("F" Version)	(Nm)	T_{KN}	0.3-0.8 oder 0.6-1.3	0.2-1 oder 0.7-2	2.5-4.5	2-5 4-10 8-15	7-15	8-20 oder 16-30	10-30 20-40 30-60	20-60 40-80 80-150	80-140 oder 130-200	120-180 160-300 300-450	50-150 100-300 250-400	200-400 oder 450-850	1,000-1,250 oder 1,250-1,500	1,400-2,200 oder 1,800-2,700
Overall length A	(mm)	A	15.5	20	22	28	34	43	46	48.5	54	57	71.5	80	99	135
Overall length ("F" Version)	(mm)	A^F	15.5	20	22	28	34	43	46	48.5	57	60	75	91	110	141
Actuation ring Ø	(mm)	B	23	29	35	45	55	65	73	92	99	120	135	152	174	242
Actuation ring Ø, ("F" Version)	(mm)	B^F	24	32	42	51.5	62	70	83	98	117	132	155	177	187	258
Inner diameter from Ø to Ø H7	(mm)	D	4-8*	4-10*	4-11*	4-16*	8-18	12-25.4	12-28	15-38	20-42	25-51	25-58	30-60	35-73	50-100
Inner diameter with keyway DIN 6885-3 (flat)	(mm)	D	–	–	11.1-12	16.1-17	18.1-20	25.5-27	28.1-30	38.1-39	–	51.1-52	58.1-60	60.1-61	73.1-75	–
Pilot diameter h7	(mm)	E	14	22	25	34	40	47	55	68	75	82	90	100	125	168
Bolt-hole circle diameter ± 0.2	(mm)	F	22	28	35	43	47	54	63	78	85	98	110	120	148	202
Flange outside diameter -0.2	(mm)	G	26	32	40	50	53	63	72	87	98	112	128	140	165	240
Thread		H	4xM2	4xM2.5	6xM2.5	6xM3	6xM4	6xM5	6xM5	6xM6	6xM6	6xM8	6xM8	6xM10	6xM12	6xM16
Thread depth	(mm)	I	3	4	4	5	6	8	9	10	10	10	12	15	16	24
Centering length -0.2	(mm)	J	2.5	3.5	5	8	3	5	5	5	5	6	9	10	13.5	20
Distance	(mm)	K	5	6	8	11	8	11	11	12	12	15	21	19	25	34
Distance	(mm)	L	11	15	17	22	27	35	37	39	44	47	59	67	82	112
Distance, ("F" Version)	(mm)	L^F	11.5	16	18	24	27	37	39	41.5	47	51.5	68	75	94	120
Diameter	(mm)	O	13	18	21	30	35	44	49	62	67	75	84	91	112	154
Diameter h7	(mm)	O_1	11	14	17	24	27	36	39	50	55	65	72	75	92	128
Distance	(mm)	R	1	1.3	1.5	1.5	2.5	2.5	2.5	2.5	3	3	4	4	4.5	6
Moment of inertia (10^{-3}kgm²)		J_{ges}	0.01	0.02	0.05	0.07	0.15	0.25	0.50	1.60	2.70	5.20	8.6	20	31.5	210
Approx. weight	(kg)		0.03	0.065	0.12	0.22	0.4	0.7	1.0	1.3	2.0	3.0	4.0	5.5	10	28
Actuation distance	(mm)		0.7	0.8	0.8	1.2	1.5	1.5	1.7	1.9	2.2	2.2	2.2	2.2	3.0	3.0

A^F, B^F, L^F = Full disengagement / manual re-engagement version (F) * bore diameter < 6 mm delivered without keyway.
Special keyway available upon request.

Ordering example	**SKP**	**10**	**W**	**14**	**4**	**2-6**	**XX**
Model	●						
Size		●					
Function system			●				
Bore D1 H7				●			
Disengagement torque Nm					●		
Torque adjustment range Nm						●	

Special designation only (e.g. special bore / keyway dimensions).

For custom features place an XX at the end of the part number and describe the special requirements (e.g. SKP / 10 / W / 15.88 / 4 / 2-6 / XX; XX=stainless steel)