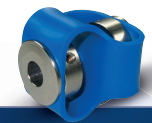
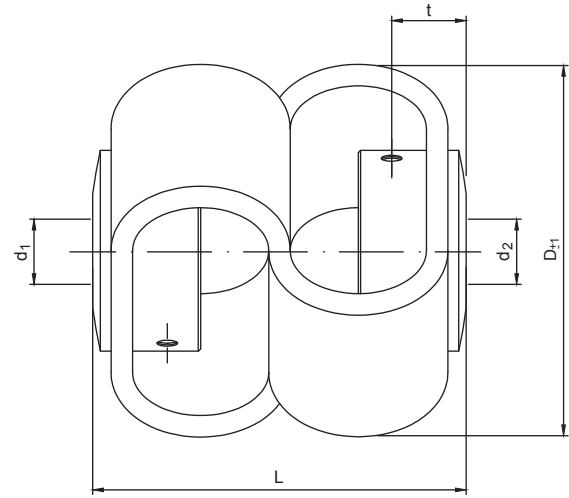


## Specifications

- Torque range  
0,5 – 5 Nm
- General purpose



HPK5 double loop

Size	Rated torque $T_{RN}$ (Nm)	Dimensions (mm)			Mass moment of inertia $J$ (g cm <sup>2</sup> )	Set screws DIN 916		Weight $m$ (kg)	Spring stiffness			Max. displacements		
		D	L	t		M	$T_s$ (Nm)		Torsional $C_t$ (Nm/rad)	Radial (N/mm)	Axial $\Delta k_a$ (mm)	Radial $\Delta k_r$ (mm)	Angular $\Delta k_w$ (°)	
28	0,5	29	29	2,5	41	M3 x 4	1	0,033	13	13	2	2	10	
38	1,5	38	35	2,75	104	M4 x 6	2	0,048	25	15	3	2,5	10	
48	2	48	46	9	106	M4 x 6	2	0,085	28	7	4	3	12	
58	5	58	56	11	220	M5 x 6	3	0,14	43	9	5	5	15	

Standard programme cylindrical finish bore [mm]

Size	Ø4	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø19
28	•	•	•	•				
38		•	•	•	•			
48			•	•	•	•		
58					•	•	•	•

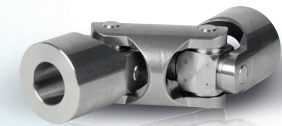
## PRODUCT GROUPS



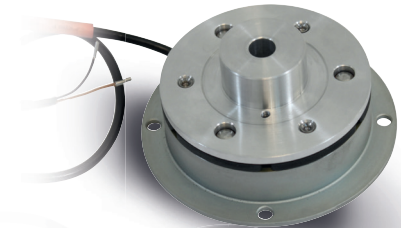
Couplings



Locking Assemblies



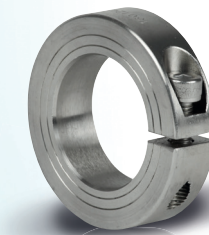
Universal Joints



Clutches & Brakes



Brakes



Collars

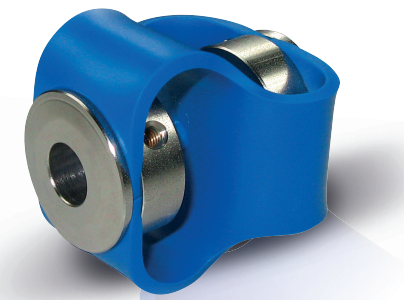
## Skilled to get your ideas fulfilled

HITEX is a range of mechanical power transmission components dedicated to add value to all OEM industrial creations.

HITEX is produced using the latest technology & all knowledge and skills gained from experience in its factories to provide innovative and cost-effective engineered solutions.

Honored to have the opportunity to serve OEM customers worldwide, HITEX provides prompt and reliable deliveries to meet all aftersales requirements.

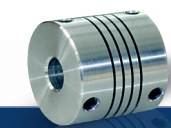
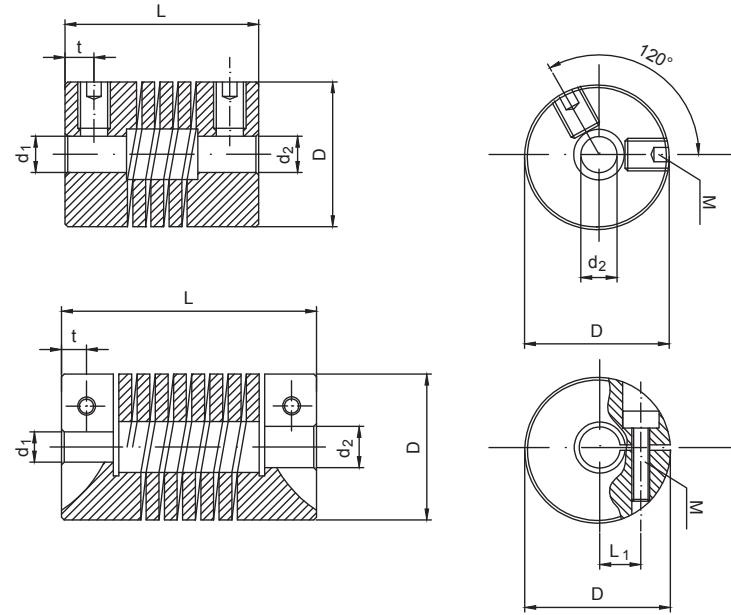
Our best technology is human





## Specifications

- Torque range 0,02 – 1,5 Nm
- Miniature design
- Torsionally stiff
- Backlash-free



HPK1 miniature set screw style

Size	Rated torque		Finish bore d (min-max)		Dimensions (mm)			Mass moment of inertia J (g cm <sup>2</sup> )	Set screws DIN 916		Weight m (kg)	Spring stiffness		Max. displacements			
	T <sub>RN</sub> (Nm)		min.	max.	D	L	t		M	T <sub>A</sub> (Nm)		Torsional C <sub>t</sub> (Nm/rad)	Radial (N/mm)	Δka (mm)	Δkr (mm)	Δkw (°)	
6	0,02	1	2	6,5	8	1,3	0,02	M1,6 x 2	0,08	0,0005	0,55	24	0,15	0,10	2,00		
10	0,15	2	5	10	15	2	0,34	M2 x 3	0,15	0,0024	2,2	22	0,20	0,15	2,00		
12	0,25	2	4	12	18	2,5	0,83	M2,5 x 3	0,35	0,0040	2,8	28	0,25	0,15	2,50		
16	0,40	3	6	16	22	3	3,2	M3 x 4	0,50	0,0095	5	34	0,30	0,20	3,00		
19	0,60	4	6	19	22	3	6,7	M3 x 4	0,50	0,0130	9	40	0,40	0,25	3,50		
20	0,60	4	8	20	19	2,8	6	M3 x 4	0,50	0,0120	9	40	0,40	0,25	3,50		
25	1,00	6	12	25	24	3	22,2	M4 x 6	1,20	0,0260	20	60	0,50	0,30	4,00		
30	1,50	10	14	30	32	4	30	M4 x 6	1,20	0,0350	18	50	0,50	0,30	4,00		
					30	4	57	M4 x 6	1,20	0,0450	21	60	0,50	0,30	4,00		
					38	5	76	M4 x 6	1,20	0,0600	21	60	0,50	0,30	4,00		

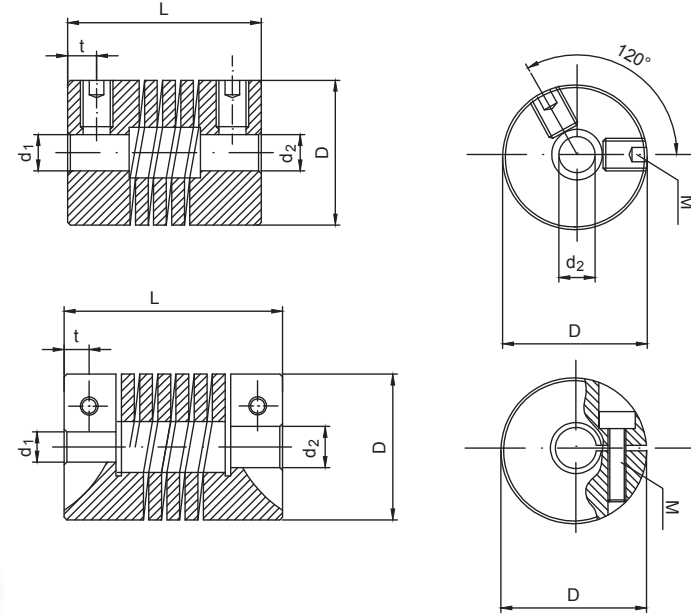


HPK2 miniature clamp style

Size	Rated torque		Finish bore d (min-max)		Dimensions (mm)			Mass moment of inertia J (g cm <sup>2</sup> )	Clamping screws DIN 912		Weight m (kg)	Spring stiffness		Max. displacements			
	T <sub>RN</sub> (Nm)		min.	max.	D	L	L <sub>1</sub>		t	M		T <sub>A</sub> (Nm)	Torsional C <sub>t</sub> (Nm/rad)	Radial (N/mm)	Δka (mm)	Δkr (mm)	Δkw (°)
14	0,5	2	4	14	21	4,0	2,6	1,9	M2 x 6	0,05	0,0065	4,5	22	0,25	0,20	3,00	
16	0,6	3	6	16	25	5,0	3,0	3,8	M2 x 6	0,06	0,0100	5,5	30	0,30	0,25	3,50	
19	0,8	4	6	19	28	5,2	3,3	8,7	M3 x 10	0,08	0,0160	8	36	0,40	0,25	4,00	
25	1	6	12	25	32	8,0	4,0	29	M3 x 10	0,10	0,0340	16	45	0,50	0,35	4,00	
30	1,5	10	14	30	38	9,8	4,8	76	M4 x 12	0,15	0,0580	19	60	0,50	0,35	4,00	

## Specifications

- Torque range 0,4 – 6 Nm
- 3 Beam single stage for increased torsional stiffness
- Torsionally stiff
- Backlash-free



HPK3 aluminium

Size	Coupling ref.		Rated torque T <sub>RN</sub> (Nm)	Dimensions (mm)		Mass moment of inertia J (g cm <sup>2</sup> )	Set screws DIN 916		Clamping screws DIN 912		Weight m (kg)	Spring stiffness		Max. displacements			
	Set screw style	Clamp style		D	L		M	T <sub>A</sub> (Nm)	M	T <sub>A</sub> (Nm)		Torsional C <sub>t</sub> (Nm/rad)	Radial (N/mm)	Δka (mm)	Δkr (mm)	Δkw (°)	
09	311.09	312.09	0,4	9,5	14,2	0,3	M2,5	0,4	M1,6	0,25	0,002	3,8	100	0,10	0,10	3	
13	311.13	312.13	0,9	12,7	19,1	1,2	M3	0,7	M2	0,3	0,005	15	160	0,20	0,13	5	
16	311.16	312.16	1,5	15,9	20,3	3,2	M4	1,7	M2,5	0,4	0,009	22	140	0,20	0,13	5	
19	311.19	312.19	2,5	19,1	22,9	8	M4	1,7	M3	0,8	0,015	40	130	0,25	0,13	5	
25	311.25	312.25	4	25,4	31,8	35	M5	3	M3	0,8	0,037	80	139	0,25	0,13	5	
32	311.32	312.32	6	31,8	44,5	124	M6	5	M4	1,5	0,082	130	165	0,25	0,13	5	

HPK3 stainless steel

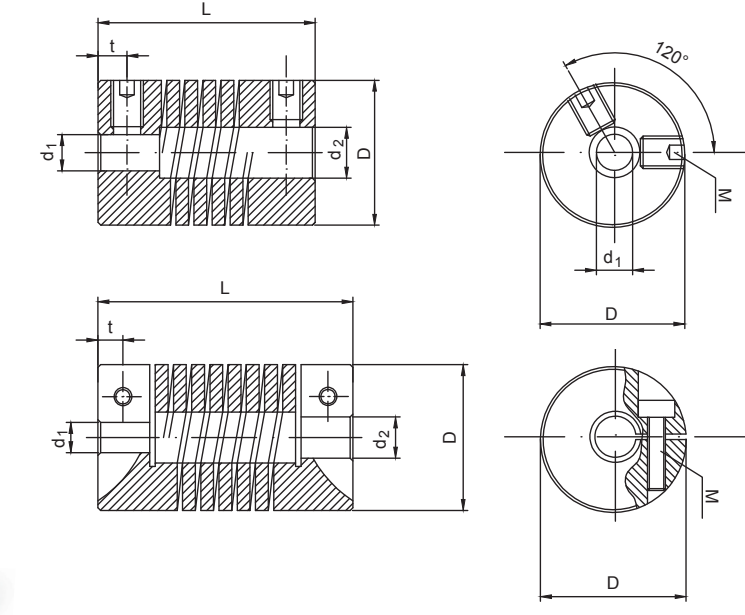
Size	Coupling ref.		Rated torque T <sub>RN</sub> (Nm)	Dimensions (mm)		Mass moment of inertia J (g cm <sup>2</sup> )	Set screws DIN 916		Clamping screws DIN 912		Weight m (kg)	Spring stiffness		Max. displacements			
	Set screw style	Clamp style		D	L		M	T <sub>A</sub> (Nm)	M	T <sub>A</sub> (Nm)		Torsional C <sub>t</sub> (Nm/rad)	Radial (N/mm)	Δka (mm)	Δkr (mm)	Δkw (°)	
13	321.13	322.13	1	12,7	19,1	3,3	M3	0,4	M2	0,3	0,014	30	175	0,20	0,13	3	
16	321.16	322.16	1,8	15,9	20,3	8,7	M4	0,7	M2,5	0,4	0,024	40	260	0,25	0,13	5	
19	321.19	322.19	2,7	19,1	22,9	20,9	M4	0,7	M3	0,8	0,039	80	250	0,25	0,13	5	
25	321.25	322.25	6	25,4	31,8	90,4	M5	2	M3	0,8	0,097	100	170	0,25	0,13	5	

Standard programme cylindrical finish bore [mm]

Size	Ø2	Ø3	Ø4	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14
09	*	*	*						
13		*	*	*					
16		*	*	*	*				
19		*	*	*	*	*			
25			*	*	*	*	*		
32				*	*	*	*	*	*

## Specifications

- Torque range 1 – 22 Nm
- 6 Beam double stage for increased torsional stiffness and radial compliance
- Torsionally stiff
- Backlash-free



HPK4 aluminium

Size	Coupling ref.		Rated torque T <sub>RN</sub> (Nm)	Dimensions (mm)		Mass moment of inertia J (g cm <sup>2</sup> )	Set screws DIN 916		Clamping screws DIN 912		Weight m (kg)	Spring stiffness		Max. displacements			
	Set screw style	Clamp style		D	L		M	T <sub>A</sub> (Nm)	M	T <sub>A</sub> (Nm)		Torsional C <sub>t</sub> (Nm/rad)	Radial (N/mm)	Δka (mm)	Δkr (mm)	Δkw (°)	
09	611.09	612.09	1	9,5	19,6	0,4	M3	0,4	M1,6	0,25	0,0029	8	40	0,20	0,12	3	
13	611.13	612.13	2	12,7	22,9	1,2	M3	0,7	M2	0,30	0,005	12	40	0,25	0,17	5	
16	611.16	612.16	3,4	15,9	25,4	3,4	M4	1,7	M2,5	0,40	0,0085	20	40	0,25	0,20	5	
19	611.19	612.19	5,3	19,1	26,5	7	M4	1,7	M2,5	0,40	0,012	40	50	0,25	0,25	7	
25	611.25	612.25	10	25,4	38	33	M5	3,0	M3	0,80	0,033	70	80	0,25	0,37	7	
32	611.32	612.32	15	31,8	58	147	M6	5,5	M4	1,50	0,093	125	60	0,25	0,50	7	
38	611.38	612.38	22	38,1	66,7	319	M6	5,5	M5	4,00	0,141	200	70	0,25	0,60	7	

HPK4 stainless steel

Size	Coupling ref.		Rated torque T <sub>RN</sub> (Nm)	Dimensions (mm)		Mass moment of inertia J (g cm <sup>2</sup> )	Set screws DIN 916		Clamping screws DIN 912		Weight m (kg)	Spring stiffness		Max. displacements			
	Set screw style	Clamp style		D	L		M	T <sub>A</sub> (Nm)	M	T <sub>A</sub> (Nm)		Torsional C <sub>t</sub> (Nm/rad)	Radial (N/mm)	Δka (mm)	Δkr (mm)	Δkw (°)	
13	621.13	622.13	3	12,7	25,4	3,9	M3	0,4	M2	0,30	0,016	21	34	0,25	0,17	5	
16	621.16	622.16	5	15,9	25,4	10,3	M4	0,7	M2,5	0,40	0,026	45	97	0,25	0,20	5	
19	621.19	622.19	8	19,1	26,5	23,8	M4	0,7	M2,5	0,40	0,041	80	150	0,25	0,25	7	
25	621.25	622.25	16	25,4	38	101,6	M5	2,0	M4	1,50	0,103	170	125	0,25	0,37	7	

Standard programme cylindrical finish bore [mm]

Size	Ø2	Ø3	Ø4	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø18
09	*	*	*								
13		*	*	*							
16		*	*	*	*						
19		*	*	*	*	*					
25			*	*	*	*	*				
32				*	*	*	*	*			
38					*	*	*	*	*	*	*