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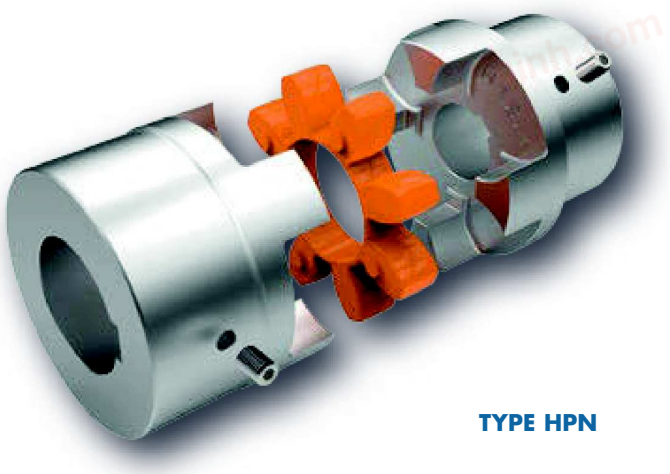
HABIX®PLUS

Habix®plus consist of two coupling hubs with curved jaws, which are produced with high concentricity.
The precision rating is made of an extremely wear-resistant and temperature-resistant plastic. Up to size 48 the clutch is constructed of high-strength aluminum, from size 65 it is constructed of steel.

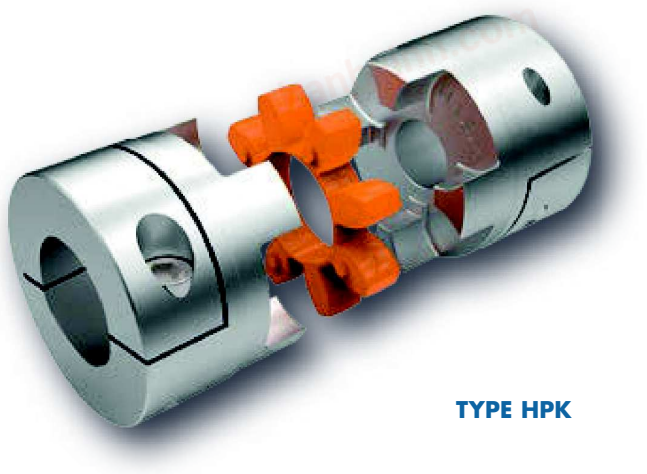
The equalizing element of the Habix®plus HPN or HPK coupling is the star. It transmits torque without backlash or vibration. The high-precision star insert defines the characteristics of the entire drive system.

Backlash is eliminated by the press fit of the star into the hubs. The Habix®plus HPN or HPK couplings has been designed to compensate radial, axial and angular movements.

The flexible element of the Habix®plus coupling allows a permanent thermal load up to 100 °C or 120 °C. Even low temperatures up to –30 °C are allowed.



TYPE HPN



TYPE HPK

FEATURES

- Cheap
- High concentricity
- Vibration-reducing
- Electrically isolating
- Pluggable

AREA OF APPLICATION

- Servodrive technology
- Machine tools
- Packaging machinery
- Automation systems
- Printing machines
- Control- and positioning technique
- General mechanical engineering

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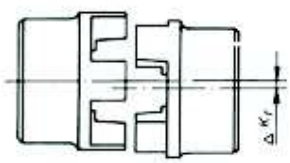
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TECHNICAL DATA

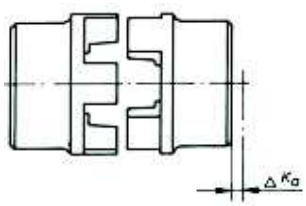
TYPE HPN/HPK

Size	Speed rpm	Torque Nm		Torque Nm	
		nominal T	max. T	nominal T	max. T
		98 Shore A color orange		64 Shore D color green	
19	19000	17	34	21	42
24	14000	60	120	75	150
28	11500	160	320	200	400
38	9500	325	650	405	810
48	8000	530	1060	660	1350
65	4000	950	1900	1100	2150

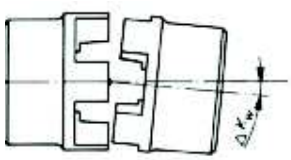
> Maximum transmittable torque in accordance with the bore diameter of the clamping hub
At speeds over 10 000 rpm a precision balancing is necessary.



Radial misalignment



Axial misalignment



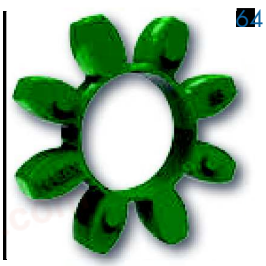
Angular misalignment

Size	Star	Radial misalignment [mm]	Axial misalignment [mm]	Angular misalignment [degree]
19	98 Shore A	0.1	±2	1
	64 Shore D	0.08		0.8
24	98 Shore A	0.12	±2	1
	64 Shore D	0.1		0.8
28	98 Shore A	0.15	±2	1
	64 Shore D	0.12		0.8
38	98 Shore A	0.18	±2	1
	64 Shore D	0.14		0.8
48	98 Shore A	0.2	±2	1
	64 Shore D	0.18		0.8
65	98 Shore A	0.25	±2	1
	64 Shore D	0.2		0.8

Shore hardness
98 Sh A



Shore hardness
64 Sh D

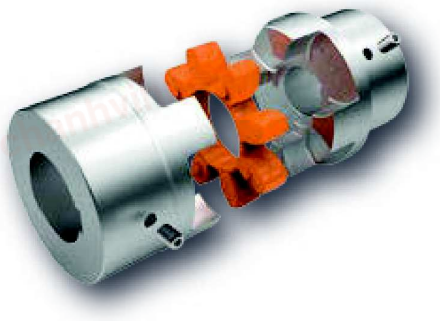


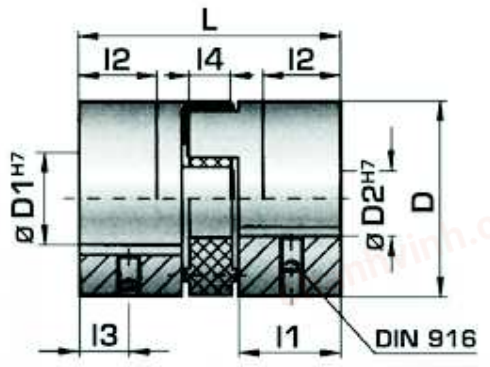
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TYPE HPN

WITH KEYWAY MOUNTING





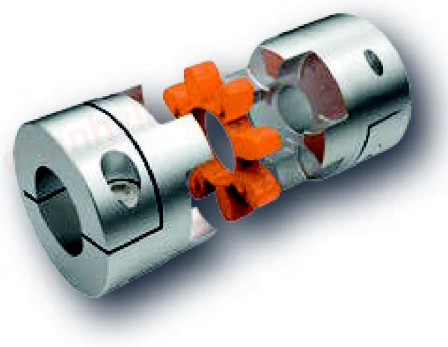
Size	D mm	D1/2 mm	l1 mm	l2 mm	l3 mm	l4 mm	L mm	Weight kg
19	42	8 - 25	25	19	8.5	12	66	0.15
24	56	12 - 32	30	22	10	14	78	0.35
28	66.5	19 - 38	35	26	12	15	90	0.6
38	82	20 - 45	45	32	15	18	114	1.1
48	102	28 - 60	50	37	17.5	20	126	1.7
65	136.5	32 - 80	65	43	23	25	162	11

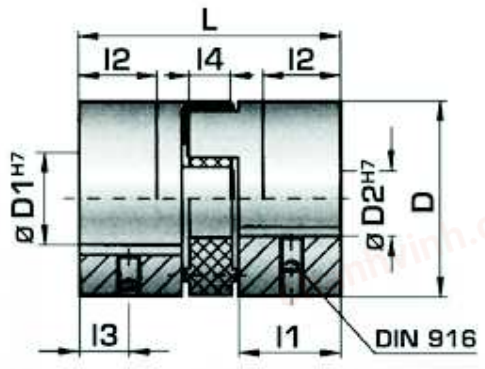
> Drill holes H7 with keyway in accordance with DIN 6885/1
Set screws on the keyway
Optionally pilot bore
Weights valid for medium bore diameters

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TYPE HPK
WITH CLAMPING HUB





Size	D mm	D1/2 mm	l1 mm	l2 mm	l3 mm	L mm	Weight kg
19	42	8 - 25	25	39	8.5	66	0.15
24	56	12 - 32	30	46	10	78	0.35
28	66.5	19 - 38	35	52.5	12	90	0.6
38	82	20 - 45	45	66	15	114	1.1
48	102	28 - 60	50	73	17.5	126	1.7
65	136.5	32 - 80	65	93.5	23	162	11

MAXIMUM TRANSMITTABLE TORQUE IN ACCORDANCE WITH THE BORE DIAMETER OF THE CLAMPING HUB (NM)

Size	ø 8	ø 16	ø 19	ø 25	ø 30	ø 32	ø 35	ø 45	ø 50	ø 55	ø 60	ø 65	ø 70	ø 75	ø 80
19	20	35	45	60											
24		50	80	100	110	120									
28			120	160	180	200	220								
38			200	230	300	350	380	420							
48					420	480	510	600	660	750	850				
65							700	750	800	835	865	900	925	950	1000

> Higher torques with additional keyway possible!

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