

Pulleys for Flat Belts

Width T=6 ~ 32

Flanged, Crowned, Press-Fit Urethane

Type			Material	Surface Treatment
Flanged	Crowned	Press-Fit Urethane		
HBPG	HBPCG	-	S45C Equivalent	Black Oxide
HBPM	HBPCM			Electroless Nickel Plating
HBPA	HBPCA			Clear Anodize
HBPS	HBPCS			-
-	-			HBPUS

Flanged Type **Crowned** $6.3 / (1.6 / \sqrt{\quad})$

Press-Fit Urethane Type

Shaft Hole Specifications

Round Hole + Tap (P) New JIS Keyway + Tap (N)

Keyway Dimensions
N: New JIS (B1301) Keyway Dimensions

Nominal	dH7	bJS9	t Tolerance
N8	+0.015	3	±0.0125
N10	0	4	±0.0150
NK10	0	4	±0.0150
N12	+0.018	5	±0.0150
N15	0	6	±0.0180
N20	+0.021	8	±0.0180
N30	0	12	±0.0215
N40	+0.025	12	±0.0215

Shore A70 (Blue) Urethane is press-fit on Roller surface. D dimension does not change. Urethane Thickness 1mm

RoHS10

Part Number Type	D	dh7				T Selection	D1	ℓ	ℓ1	M	L
		P (Round Hole + Tap) Selection		N (Keyway + Tap) Selection							
Flanged Type	15	5	6			6*	12				T+2
	18	5	6	8			16				
	20	5	6	8	8		8	4	3		
	28	6	8	10	8		10	12			
	30	6	8	10	12		10	12			
	35	8	10	12	10		12				
Crowned	40	8	10	12	10	12	20				
	45	8	10	12	10	12	30	12	6	5	
	50	10	12	10	12	12	50	16	8	8	
	60	10	12	15	10	12	15				
	80	15	20	30	15	20	30				
Press-Fit Urethane Type	80				15	20	30				
	100				20	30	40				

*T=6 is not available for Crowned. Specify NK10 when Keyway + Tap with shaft bore dia. 10 and keyway width 4.0mm (height 1.8mm) is desired.

Ordering Example: Part Number - P - N - T
 HBPM30 - P6 - NK10 - 11
 HBPCG35 - - NK10 - 32

D	Unit Price								
	Flanged Type				Crowned			Press-Fit Urethane Type	
	HBPG	HBPM	HBPA	HBPS	HBPCG	HBPCM	HBPCA	HBPCS	HBPUS
15									
18									
20									
28									
30									
35									
40									
45									
50									
60									
80									
100									

Alterations: Part Number - P, N - T - (BC, HRC, FC, TC)
 HBPM18 - P8 - 11 - BC6.5

Alterations Code	Boss Cut	Knurl Flat Thread	Flange Cut	Flange Thickness
Spec.	<p>BC/2</p> <p>Cuts the hub length in 0.5mm increment. *M+3≤BC≤ℓ</p> <p>Ordering Code: BC6.5</p>	<p>HRC</p> <p>Machines knurling flat pattern on the roller section.</p> <p>Applicable to HBPG, HBPM, HBPA and HBPS.</p>	<p>FC</p> <p>Lowers the flange by cutting. FC: 0.5mm Increment</p> <p>D≤FC<D+4 Ordering Code: FC42 *Not applicable to Crowned.</p>	<p>TC</p> <p>Machines flange thickness to 0.5mm. L dimension becomes 1mm shorter.</p> <p>0.5 0.5</p> <p>*Not applicable to Crowned.</p>