

Shaft Pulleys for Round Belts

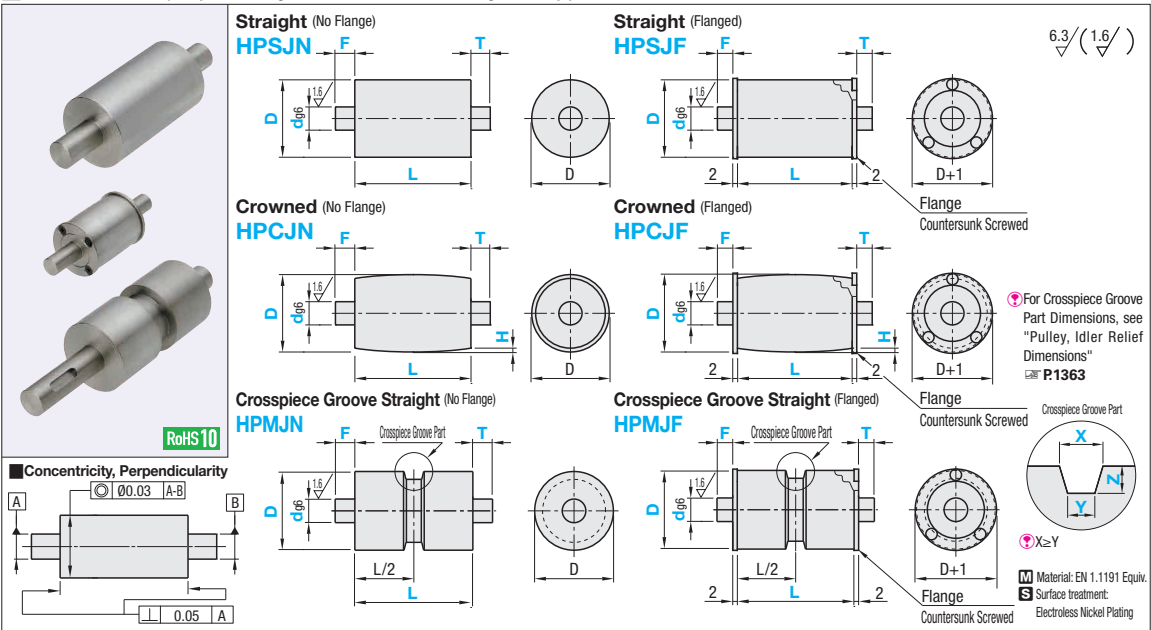
Width L=25 ~ 100

Straight, Crowned, Crosspiece Groove Straight

Idlers for Flat Belts

Width L=38 ~ 90, Width L=100 ~ 300

■Features: Flat belt pulleys with integrated shafts. Useful in reducing assembly part counts.



Part Number Type	D	d	1mm Increment L	1mm Increment F, T	Crowned Type only H	Crosspiece Groove Straight only: 0.1mm Increment X	Y	Z
Straight HPSJN HPSJF	20	6	Straight Crowned 25~100	4≤F, T≤60 F, T≤dx5	0.3	7.0~15.0	5.0~12.0	4.0~5.0
	30	8						
	35	10						
	40	12						
	50	15						
	60	20						
	80	25						
	100	30						
	125	35						
	150	40						
Crowned HPCJN HPCJF	20	6	Crosspiece Groove Straight 50~100	For Crowned, when D=50~80, 8≤F, T≤60	0.5	7.0~15.0	5.0~12.0	4.0~7.0
	30	8						
	35	10						
	40	12						
	50	15						
	60	20						
	80	25						
	100	30						
	125	35						
	150	40						
Crosspiece Groove Straight HPMJN HPMJF	20	6	Crosspiece Groove Straight 50~100	For Crowned, when D=50~80, 8≤F, T≤60	0.5	7.0~15.0	5.0~12.0	4.0~7.0
	30	8						
	35	10						
	40	12						
	50	15						
	60	20						
	80	25						
	100	30						
	125	35						
	150	40						

Ordering Example: Part Number - d - L - F - T - H - X - Y - Z
(Straight) HPSJN40 - 15 - 52 - F50 - T10
(Crowned) HPCJF60 - 20 - 75 - F25 - T40 - H0.5
(Crosspiece Groove Straight) HPMJN30 - 12 - 76 - F15 - T50 - X14.0 - Y11.8 - Z5.0

D	Straight				Crowned				Crosspiece Groove Straight			
	L25-50	HPSJN L51-75	L76-100	L25-50	HPSJF L51-75	L76-100	L25-50	HPCJN L51-75	L76-100	L25-50	HPMJN L51-75	L76-100
20												
30												
35												
40												
50												
60												
80												

Alterations: Part Number - d - L - F - T - X - Y - Z (FKC, TKC, FD, TD, TA, TB, FS, TS)
HPMJN30 - 12 - L76 - F50 - T15 - X14.0 - Y11.8 - Z5.0 - FKCS-A15

Alterations	Keyway Machining	Step Machining	Retaining Ring Groove	Shaft Dia. Change
Code	FKC, TKC	FD, TD	TA, TB	FS, TS
Spec.	Adds a keyway on shaft F (T). FKC, TKC, A, B=1mm Increment Ordering Code: FKCS-A10 (TKC0-B10) FKC=0 or 2≤FKC TKC=0 or 2≤TKC FKC+A≤F-2 TKC+B≤T-2 For keyway details, see P.820	Adds a step on shaft F (T). FD, TD, P, Q=1mm Increment Ordering Code: FD5-P8 (TD5-Q8) FD≤F-2 TD≤T-2 No Flange: d<P(Q)<D-2 Flanged: d<P(Q)<D-12	Adds a Retaining Ring Groove Retaining ring is not included. TA, TB = 1mm Increment Ordering Code: TA5 (TB5) 4≤TA≤F-2 (When FD is specified: 4≤TA≤F-TD-2) 4≤TB≤T-2 (When TD is specified: 4≤TB≤T-TD-2) For dimensions of Retaining Ring Groove, refer to P.820	Changes shaft diameter (d). FS, TS=1mm Increment Ordering Code: FS17 (TS17) D FS (TS) Specification Range: 20 6~18 30 8~28 35 10~33 40 12~38

■Width L38 ~ 90



Type	Material	Surface Treatment	Material Bearing
ROFB	EN 1.1191 Equiv.	Black Oxide	Steel
ROFM	Aluminum Alloy 5000 series	Electroless Nickel Plating	Steel
ROFA	EN 1.4301 Equiv.	Clear Anodize	Stainless Steel
ROFS			Stainless Steel

6.3/(1.6/)

D=30A, 40A

The bearings are removable.

* Bearing Accuracy: JIS B1514 Class 0

Part Number Type	D	L Selection							d	d1	Bearing Dimension				
		38	45	50	60	70	85	90			No.	D1	B	C	h
ROFB ROFM ROFA ROFS	20	38	45	50	60	70	85	90	6	15	FL696ZZx2	15	5	1.2	17
	25	38	45	50	60	70	85	90	6	17	FL606ZZx2	17	6	-	19
	30	38	45	50	60	70	85	90	8	17	B698ZZx2	19	-	-	-
	30A	38	45	50	60	70	85	90	8	22	FL608ZZx2	22	7	1.5	25
	35	38	45	50	60	70	85	90	8	22	FL608ZZx2	22	7	1.5	25
	40	38	45	50	60	70	85	90	10	22	B6000ZZx2	26	8	-	-
	40A	38	45	50	60	70	85	90	10	22	B6000ZZx2	26	8	-	-

For detailed bearing dimensions, see P.989, 991.

Ordering Example: Part Number - L
ROFM25 - 50

D	Unit Price											
	ROFB			ROFM			ROFA			ROFS		
	L38~50	L60, 70	L85, 90	L38~50	L60, 70	L85, 90	L38~50	L60, 70	L85, 90	L38~50	L60, 70	L85, 90
20												
25												
30												
30A												
35												
40												
40A												

■Width L100 ~ 300



D	Unit Price											
	ROFWB			ROFAWB			ROFWB			ROFAWB		
	L100~150	L160~200	L210~250	L260~300	L100~150	L160~200	L210~250	L260~300	L100~150	L160~200	L210~250	L260~300
30												
40												

Part Number Type	D	L	d	d1	Bearing Dimension					Unit Price			
		10mm Increment			No.	D2	B	C	h	ROFWB	ROFAWB	ROFWB	ROFAWB
ROFWB	30	100~300	8	10	FL678ZZ	12	3.5	0.8	13.6				
ROFAWB	40		12	18	B6801ZZ	21	5	-	-				

Ordering Example: Part Number - L
ROFWB40 - 150