Economy Pulleys for Flat Belts

Width L=110 ~ 500

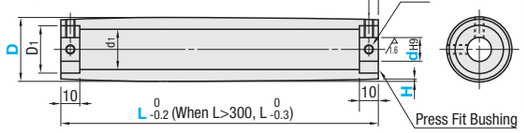
Crowned, Crosspiece Groove Straight

Features: Compared with conventional products, price reductions have been realized.

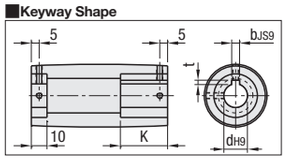
Type		Material	Surface Treatment
Crowned	Crosspiece Groove Straight		
RBWAC	RBWAM	Aluminum Alloy 5000 series EN AW-6063 Equiv. (Crowned D38 or larger)	-
RBWWC	RBWWM		Clear Anodize

6.3 (1.6)

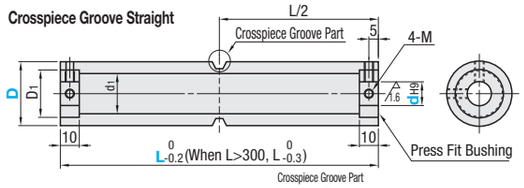
Crowned



Keyway Shape



Crosspiece Groove Straight



New JIS (B1301) Keyway Dimensions

Nominal	dH9		bJS9		t Tolerance	
N8	8	+0.036 0	3	±0.0125	1.4	+0.1 0
N10	10		4	±0.0150	1.8	
NK10	10					
N12	12	+0.043 0	5		2.3	
N15	15		6		2.8	
N20	20	+0.052 0	8	±0.0180	3.3	+0.2 0
N25	25					
N30	30		10			
N35	35	+0.062 0	12	±0.0215	3.8	
N40	40		14			
N50	50					

X≥Y

For Crosspiece Groove Part Dimensions, see "Pulley, Idler Relief Dimensions". P.1363

RoHS10

Crowned

Part Number Type	D	dH9 Round Hole + Tap	dH9 Keyway + Tap	10mm Increment L	H Selection L=110~300	H Selection L=310~500	Key Length K	d1	D1	M
Crowned RBWAC RBWWC	18	8	-	110~500	0.3	0.5	-	10	12	M3
	28	8	N8				25	20	22	M3
		10	N10, NK10				30			
		12	N12				-			M4
	38	12	N12				30	30	32	M3
		15	N15							M4
		20	N20							M5
		25	-				-			M6
	48	15	N15		0.5	0.8	30	40	42	M4
		20	N20							M5
		25	N25							M6
		30	N30			1.0				
	58	20	N20		0.8	1.2	30	50	52	M5
		25	N25							M6
		30	N30							
		35	N35							M8
	78	25	N25				30	70	72	M6
		30	N30							
		35	N35							M8
		40	N40							
		50	N50							

Specify NK10 when Keyway + Tap with shaft bore dia. 10 and keyway width 4.0mm (height 1.8mm) is desired.

Crosspiece Groove Straight

Part Number Type	D	dH9 Round Hole + Tap	dH9 Keyway + Tap	10mm Increment L	0.1mm Increment X	0.1mm Increment Y	0.1mm Increment Z	Key Length K	d1	D1	M
Crosspiece Groove Straight RBWAM RBWWM	38	12	N12	110~500	7.0~15.0	5.0~12.0	4.0~6.0	30	20	22	M3
		15	-					-			M4
	48	15	N15					30	30	32	M4
		20	N20								M5
		25	-					-			M6
	58	20	N20					30	40	42	M5
		25	N25								M6
		30	N30								
		35	-					-			M8
	78	25	N25					30	60	62	M6
		30	N30								
		35	N35								M8
		40	N40								
		50	N50								

Ordering Example

	Part Number	d	L	H	X	Y	Z
(Crowned)	RBWAC28	10	350	H0.5			
(Crosspiece Groove Straight)	RBWWM58	N25	250		X14.0	Y11.8	Z5.0

D	Body Price Crowned RBWAC L110~150	L160~200	L210~250	L260~300	L310~350	L360~400	L410~450	L460~500	RBWWC L110~150	L160~200	L210~250	L260~300	L310~350	L360~400	L410~450	L460~500	Keyway Machining Charge (Body Price +)
18																	-
28																	
38																	
48																	
58																	
78																	

D	Body Price Crosspiece Groove Straight RBWAM L110~150	L160~200	L210~250	L260~300	L310~350	L360~400	L410~450	L460~500	RBWWM L110~150	L160~200	L210~250	L260~300	L310~350	L360~400	L410~450	L460~500	Keyway Machining Charge (Body Price +)
38																	
48																	
58																	
78																	

Economy Idlers for Flat Belts

Width L=110 ~ 500

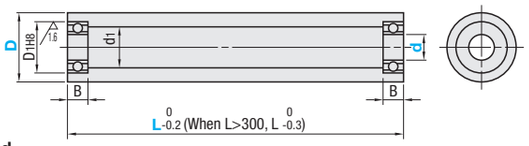
Straight, Crowned, Crosspiece Groove Straight

Features: Compared with conventional products, price reductions have been realized.

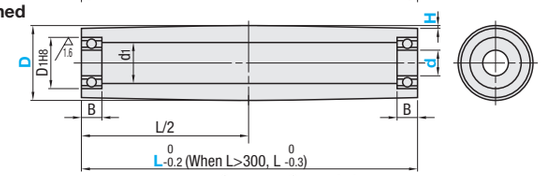
Type			Material	Surface Treatment
Straight	Crowned	Crosspiece Groove Straight		
RFWAS	RFWAC	RFWAM	Aluminum Alloy	-
RFWWS	RFWWC	RFWWM		Clear Anodize

6.3 (1.6)

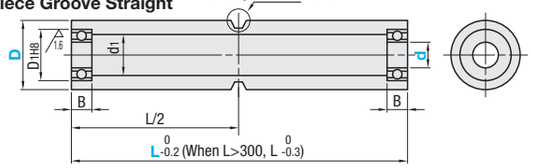
Straight

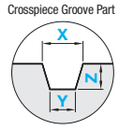


Crowned



Crosspiece Groove Straight





X≥Y

For Crosspiece Groove Part Dimensions, see "Pulley, Idler Relief Dimensions". P.1363

* Bearing Accuracy: JIS B1514 Class 0

RoHS10

The bearings are removable. Temporarily held with tape for shipping.

Straight , Crowned

Part Number Type	D	d	10mm Increment L	H Selection	d1	Bearing Dimension No.	D1	B
Straight RFWAS RFWWS Crowned RFWAC RFWWC	18	8	110~500	0.3	10	678ZZ	12	3.5
	28	8			20	608ZZ	22	7
		10				6900ZZ	22	6
	38	15			30	6002ZZ	32	9
		20				6804ZZ	32	7
	48	15		0.5	30	6202ZZ	35	11
		20				6904ZZ	37	9
		25			40	6905ZZ	42	9
		30				6806ZZ	42	7
	58	20		0.8	40	6204ZZ	47	14
		25				6005ZZ	47	12
		30				6906ZZ	47	9
		40			50	6808ZZ	52	7
	78	30			60	6306ZZ	72	19
		35				6207ZZ	72	17

Crosspiece Groove Straight

Part Number Type	D	d	10mm Increment L	0.1mm Increment X	0.1mm Increment Y	0.1mm Increment Z	d1	Bearing Dimension No.	D1	B
Crosspiece Groove Straight RFWAM RFWWM	38	12	110~500	7.0~15.0	5.0~12.0	4.0~6.0	20	6001ZZ	28	8
		15						6002ZZ	32	9
	48	15					30	6002ZZ	32	9
		20						6904ZZ	37	9
		25						6905ZZ	42	9
	58	20					40	6204ZZ	47	14
		25						6905ZZ	42	9
		30						6906ZZ	47	9
		35						6807ZZ	47	7
	78	30					60	6306ZZ	72	19
		35						6207ZZ	72	17
		40						6008ZZ	68	15

Ordering Example

	Part Number	d	L	H	X	Y	Z
(Straight)	RFWWS28	8	200				
(Crowned)	RFWAC28	10	350	H0.5			
(Crosspiece Groove Straight)	RFWWM58	20	250		X14.0	Y11.8	Z5.0

D	Unit Price Straight RFWAS L110~150	L160~200	L210~250	L260~300	L310~350	L360~400	L410~450	L460~500	RFWWS L110~150	L160~200	L210~250	L260~300	L310~350	L360~400	L410~450	L460~500
18																
28																
38																
48																
58																
78																

D	Unit Price Crowned RFWAC L110~150	L160~200	L210~250	L260~300	L310~350	L360~400	L410~450	L460~500	RFWWC L110~150	L160~200	L210~250	L260~300	L310~350	L360~400	L410~450	L460~500
18																
28																
38																
48																
58																
78																

D	Unit Price Crosspiece Groove Straight RFWAM L110~150	L160~200	L210~250	L260~300	L310~350	L360~400	L410~450	L460~500	RFWWM L110~150	L160~200	L210~250	L260~300	L310~350	L360~400	L410~450	L460~500
38																
48																
58																
78																