

Pulleys for Flat Belts

Crowned, Crosspiece Groove Straight

Width L=25 ~ 100

Idlers for Flat Belts

Straight, Crosspiece Groove Straight, Crowned

Width L=25 ~ 100

Crowned ROBAC (No Flange)

ROBACF (Flanged)

Crosspiece Groove Straight ROBAM (No Flange)

Shape of Keyway

Material: Aluminum Alloy
Surface Treatment: Clear Anodize

For Crosspiece Groove Straight, key length is shorter under the following conditions in order to avoid causing interference with through holes made by keyway machining.

When $L/2 - X/2 \leq K \leq L/2 + X/2$, $K = L/2 - (X/2 + (b+1)/2 + 1)$

New JIS (B1301) Keyway Dimensions

Number	dH7	bJS9	t Tolerance
N8	8	3	±0.0125 1.4
N10	10	4	±0.015 1.8
NK10	10	4	±0.015 1.8
N12	12	5	±0.0150 2.3
N15	15	6	±0.018 2.8
N20	20	8	±0.021 3.3
N25	25	8	±0.0180 3.3
N30	30	8	±0.02 0

Part Number	Type	dH7		1mm Increment L	Crowned only H	Crosspiece Groove Straight only: 0.1mm Increment			Key Length K	M		F
		Round Hole + Tap	Keyway + Tap			X	Y	Z		Round Hole + Tap	Keyway + Tap	
15	Crowned ROBAC	8	N8	Crowned 25-100	0.3	7.0-15.0	5.0-12.0	4.0-7.0	25	M3	3.5	-
20		8	N8						25			
25	10	N10, NK10	25									
30	8	N8	25									
35	10	N10, NK10	25									
40	12	N12	30									
50	10	N10, NK10	30									
60	12	N12	30									
80	15	N15	30									
80	20	N20	30									
80	25	N25	30									
80	30	N30	30									
80	35	-	-	30	M5	M5	4	51				
80	40	20	N20	30	M4	M4	4	51				
80	50	25	N25	30	M4	M4	4	51				
80	60	30	N30	30	M4	M4	4	51				
80	80	30	N30	30	M4	M4	4	51				
80	80	35	-	30	M4	M4	4	51				

⚠ K=L (No Flange) or K=L+4 (Flanged) when L≤36(N8, N10, NK10) or L≤43(N12, N15, N20) or L≤45(N25, N30).
 ⚠ Flanged Type is only applicable to D=25 or more; Flanged Type with Keyways to D30 or more.
 ⚠ Specify NK10 when Keyway + Tap with shaft bore with keyway width 4.0mm (height 1.8mm) is desired.

Ordering Example

■ Crowned
 ROBAC30 - d - L - H
 ROBAC30 - NK10 - L62 - H0.3

■ Crosspiece Groove Straight
 ROBAM40 - d - L - X - Y - Z
 ROBAM40 - 15 - L82 - X7.8 - Y6.0 - Z5.0

D	Body Price						Keyway Machining Charge (Body Price +)
	Crowned			Crosspiece Groove Straight			
	ROBAC L25-50	ROBAC L51-75	ROBAC L76-100	ROBAM L50-75	ROBAM L76-100	ROBAM L76-100	
15							
20							
25							
30							
35							
40							
50							
60							
80							

Straight ROFAM (No Flange)

ROFAM (Flanged)

Crosspiece Groove Straight ROFAM (No Flange)

Crowned ROFAC (No Flange)

Material: Aluminum Alloy
Surface Treatment: Clear Anodize

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

Part Number	Type	d	1mm Increment L	Crosspiece Groove Straight only: 0.1mm Increment			Crowned only Selection H	Bearing Dimension			F
				X	Y	Z		No.	D1	B	
7	Straight ROFAM	7	-	-	-	-	0.3	B675Z	8	2.5	-
9		B676Z						10	3	-	
10		B686Z						13	5	-	
10		B678Z						12	3.5	-	
10		B696Z						15	5	26	
10		B688Z						16	5	26	
15		B698Z						19	6	31	
15		B690Z						22	6	31	
15		B690Z						22	6	31	
15		B690Z						22	6	31	
17	Crosspiece Groove Straight ROFAM	17	Straight Crowned 25-100	7.0-15.0	5.0-12.0	0.3	B690Z	24	6	36	
17		B690Z					24	6	36		
17		B690Z					24	6	36		
17		B690Z					24	6	36		
17		B690Z					24	6	36		
17		B690Z					24	6	36		
17		B690Z					24	6	36		
17		B690Z					24	6	36		
17		B690Z					24	6	36		
17		B690Z					24	6	36		
17	Crowned ROFAC	17	Crosspiece Groove Straight 50-100	7.0-15.0	5.0-12.0	0.5	B628Z	24	8	41	
17		B600Z					26	8	41		
17		B690Z					24	6	41		
17		B690Z					24	6	41		
17		B690Z					24	6	41		
17		B690Z					24	6	41		
17		B690Z					24	6	41		
17		B690Z					24	6	41		
17		B690Z					24	6	41		
17		B690Z					24	6	41		
22	Crowned ROFAC	22	Crosspiece Groove Straight 50-100	7.0-15.0	5.0-12.0	0.8	B680Z	32	7	51	
22		B620Z					30	9	51		
22		B600Z					28	7	51		
22		B690Z					28	7	51		
22		B690Z					28	7	51		
22		B690Z					28	7	51		
22		B690Z					28	7	51		
22		B690Z					28	7	51		
22		B690Z					28	7	51		
22		B690Z					28	7	51		
22	Crowned ROFAC	22	Crosspiece Groove Straight 50-100	7.0-15.0	5.0-12.0	0.8	B620Z	32	10	61	
22		B600Z					32	9	61		
22		B690Z					37	9	61		
22		B690Z					42	9	61		
22		B690Z					47	9	61		
22		B690Z					42	9	61		
22		B690Z					42	9	61		
22		B690Z					42	9	61		
22		B690Z					42	9	61		
22		B690Z					42	9	61		
32	Crowned ROFAC	32	Crosspiece Groove Straight 50-100	7.0-15.0	5.0-12.0	0.8	B620Z	32	10	81	
32		B600Z					32	9	81		
32		B690Z					37	9	81		
32		B690Z					42	9	81		
32		B690Z					47	9	81		
32		B690Z					42	9	81		
32		B690Z					42	9	81		
32		B690Z					42	9	81		
32		B690Z					42	9	81		
32		B690Z					42	9	81		
41	Crowned ROFAC	41	Crosspiece Groove Straight 50-100	7.0-15.0	5.0-12.0	0.8	B620Z	52	15	81	
41		B600Z					52	15	81		
41		B690Z					55	13	81		
41		B690Z					55	13	81		
41		B690Z					55	13	81		
41		B690Z					55	13	81		
41		B690Z					55	13	81		
41		B690Z					55	13	81		
41		B690Z					55	13	81		
41		B690Z					55	13	81		

⚠ Sizes in () for d are only applicable to No Flange Type. ⚠ For detailed bearing dimensions, see P989, 991.

Ordering Example

■ Straight
 ROFAM30 - d - L - L52

■ Crosspiece Groove Straight
 ROFAM40 - d - L - X - Y - Z
 ROFAM40 - 12 - L82 - X7.8 - Y6.0 - Z5.0

■ Crowned
 ROFAC60 - d - L - H
 ROFAC60 - 20 - L75 - H0.5

D	Unit Price										
	Straight						Crosspiece Groove Straight			Crowned	
	ROFAM L25-50	ROFAM L51-75	ROFAM L76-100	ROFAM L25-50	ROFAM L51-75	ROFAM L76-100	ROFAM L50-75	ROFAM L76-100	ROFAC L25-50	ROFAC L51-75	ROFAC L76-100
15											
20											
25											
30											
35											
40											
50											
60											
80											