

# Pulleys for Flat Belts with Urethane (Width L=25-100)

Crowned / Crosspiece Groove Straight

Feature: Urethane lining is applied on the surface to increase friction resistance.

Pulleys for Flat Belts with Urethane - Width L=25-100	Type				Material		Hardness
	Crowned		Crosspiece Groove Straight		Core	Lining	
	No Flange	Flanged	No Flange	Flanged			
RWCUN	RWCUF	RWMUN	RWMUF	5052 Aluminum Alloy	Urethane (Natural Color)	Shore A90	
RWCGN	RWCGF	RWMGN	RWMGF			Shore A70	

Urethane is baked on the outer circumference of the core material.

Part Number	Type	d	d <sub>H7</sub>	Specify in 1 mm Increment L	H Selection Crowned Type Only	Specify in 1 mm Increment			T	M	ℓ	F	P					
						X	Y	Z										
Crowned (No Flange) RWCUN RWCGN	Crowned (Flanged) RWCUF RWCGF	15	8	Crowned 25-100	0.3	-	-	-	2	M4	4.5	-	-					
		20	8															
		25	10															
		30	8															
		30	*10															
		30	*12															
35	*10																	
35	*12																	
35	*15																	
Crosspiece Groove Straight (No Flange) RWMUN RWMGN	Crosspiece Groove Straight (Flanged) RWMUF RWMGF	40	*12						Crosspiece Groove Straight 50-100	0.5	7-15	5-12	4-5	6	M5	5	51	33
		40	*15															
		40	*20															
		40	*25															
		50	*20															
		50	*25															
60	*25																	
60	*30																	
60	*35																	
80	*25																	
80	*30																	
80	*35																	

Urethane may discolor with time passing, but there is no effect on properties.

Part Number Example

Crowned: Part Number - d - L - H  
 Example: RWCUN30 - 10 - 62 - H0.3

Crosspiece Groove Straight: Part Number - d - L - X - Y - Z  
 Example: RWMGF40 - 15 - 82 - X7 - Y6 - Z5

D	Available Types											
	Crowned Type Shore A90						Crowned Type Shore A70					
	RWCUN	RWCUF	RWCGN	RWCGF	RWMUN	RWMUF	RWCGN	RWCGF	RWMUN	RWMUF	RWMGN	RWMGF
10	•	•	•	•	•	•	•	•	•	•	•	
15	•	•	•	•	•	•	•	•	•	•	•	
20	•	•	•	•	•	•	•	•	•	•	•	
25	•	•	•	•	•	•	•	•	•	•	•	
30	•	•	•	•	•	•	•	•	•	•	•	
35	•	•	•	•	•	•	•	•	•	•	•	
40	•	•	•	•	•	•	•	•	•	•	•	
50	•	•	•	•	•	•	•	•	•	•	•	
500	•	•	•	•	•	•	•	•	•	•	•	

D	Available Types							
	V-Groove Straight Type Shore A90				V-Groove Straight Type Shore A70			
	RWMUN	RWMUF	RWMGN	RWMGF	RWMUN	RWMUF	RWMGN	RWMGF
40	•	•	•	•	•	•	•	•
50	•	•	•	•	•	•	•	•
60	•	•	•	•	•	•	•	•
80	•	•	•	•	•	•	•	•

# Pulleys for Flat Belts Economy Type with Urethane (Width L=110-500)

Crowned / Crosspiece Groove Straight

Feature: Compared to the Standard Type, on average, these are 39% lower in price.

Pulleys for Flat Belts Economy Type with Urethane - Width L=110-500	Part Number		Material		Hardness
	Crowned	V-Groove Straight	Core	Lining	
	RWBCU	RWBMU	Aluminum Alloy	Urethane (Natural Color)	
RWBCG	RWBMG	Shore A70			

Urethane is baked on the outer circumference of the core material.

New JIS (B1301) Keyway Dimension

Nominal	d <sub>99</sub>	b <sub>99</sub>	Tolerance
N10	10	+0.036	3 ±0.0125
NK10	10	0	3 ±0.0150
N12	12	+0.043	4 ±0.0150
N20	20	+0.052	6 ±0.0180
N25	25	0	8 ±0.0180
N30	30	0	10 ±0.0180
N35	35	+0.062	10 ±0.0180

Part Number	Type	d	d <sub>99</sub>		10 mm Increment L	Specify in 1 mm Increment			Urethane Thickness T	Key Length K	d <sub>1</sub>	D <sub>1</sub>	M	
			Round Hole + Tap	Keyway Hole + Tap		X	Y	Z						
Crowned RWBCU RWBCG	Crosspiece Groove Straight RWBMU RWBMG	28	8	-	110-500	7-15	7-12	4-7	5	25	10	12	M3	
		38	12	N12										
		38	15	-										
		48	*10	*N10/*NK10										
		48	*15	-										
		48	20	N20										
Crosspiece Groove Straight RWBMU RWBMG	Crosspiece Groove Straight RWBMU RWBMG	48	25	-		110-500	7-15	7-12	4-7	5	30	30	32	M5
		58	*20	*N20										
		58	*25	-										
		78	*25	*N25										
		78	*30	*N30										
		78	*35	*N35										

Urethane may discolor with time, but there is no effect on properties.

Select NK10 when Keyway + Tap with shaft hole diameter 10 and keyway width 4.0mm (height 1.8mm) is requested.

Part Number Example

Crowned: Part Number - d - L  
 Example: RWBCU58 - 20 - 320

Crosspiece Groove Straight: Part Number - d - L - X - Y - Z  
 Example: RWBMG48 - 15 - 120 - X8 - Y7 - Z5