Pulleys for Flat Belts with Urethane

Crowned, Crosspiece Groove Straight

Width L=25 ~ 100

■Features: Urethane lining is applied on the surface to increase friction resistance for the prevention of slip between belt and pulley.

RoHS10

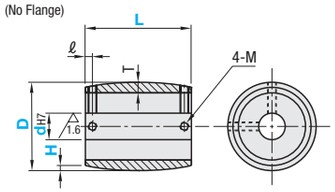
Type				M Material		H Hardness
Crowned		Crosspiece Groove Straight				
No Flange	Flanged	No Flange	Flanged	Core	Lining	
RWCUN	RWCUF	RWMUN	RWMUF	EN AW-5052 Equiv.	Urethane (Natural Color)	Shore A90
RWCGN	RWCGF	RWMGN	RWMGF			Shore A70

Urethane is heat-bonded on the outer circumference of the core material.

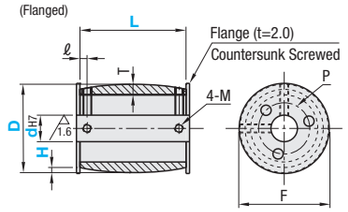
6.3 (1.6)

Crowned

(No Flange)

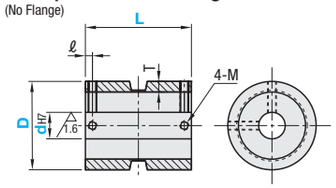


(Flanged)

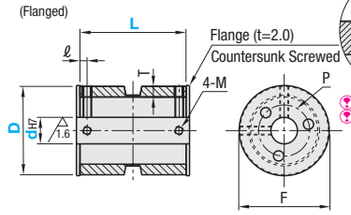


Crosspiece Groove Straight

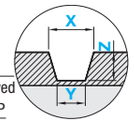
(No Flange)



(Flanged)



Crosspiece Groove Part



X≥Y

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

Part Number			dH7	1mm Increment	H Selection	1mm Increment			T	M	ℓ	F	P
Type		D		L	Crowned Type only	X	Y	Z					
Crowned (No Flange) RWCUN / (Flanged) RWCUF		15	8	Crowned 25~100	0.3	-	-	-	2	M4	4.5	-	-
		20	8						2			-	-
			10						3			-	-
		25	8										
			10						3			-	-
Crosspiece Groove Straight (No Flange) RWMUN / (Flanged) RWMUF		30	*8									31	19
			*10						3	M4	4.5	-	-
			12									36	24
		35	*10										
			*12						3	M4	4.5	36	24
			*15		0.5								
		40	*12	Crosspiece Groove Straight 50~100		7~15	5~12	4~5	6	M4	4.5	41	23
			*15										
			20									-	-
		50	*15						6	M5	5	51	33
			*20										
			*25										
Crosspiece Groove Straight is available in D dimension 40 or larger.		60	*20						8	M6	5.5	61	39
			*25					4~7					
			*30										
		80	*25						8	M8	7	81	59
			*30										
			*35										

Flanged Type is applicable to * marked d dimensions only. Urethane may discolor over time, but there is no effect on properties.

Ordering Example

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

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

D	Unit Price											
	Crowned Shore A90						Crowned Shore A70					
	RWCUN			RWCUF			RWCGN			RWCGF		
	L25 ~50	L51 ~75	L76 ~100	L25 ~50	L51 ~75	L76 ~100	L25 ~50	L51 ~75	L76 ~100	L25 ~50	L51 ~75	L76 ~100
15				-	-	-				-	-	-
20				-	-	-				-	-	-
25				-	-	-				-	-	-
30												
35												
40												
50												
60												
80												

D	Unit Price							
	Crosspiece Groove Straight Shore A90				Crosspiece Groove Straight Shore A70			
	RWMUN		RWMUF		RWMGN		RWMGF	
	L50 ~75	L76 ~100	L50 ~75	L76 ~100	L50 ~75	L76 ~100	L50 ~75	L76 ~100
40								
50								
60								
80								

Economy Pulleys for Flat Belts with Urethane

Crowned, Crosspiece Groove Straight

Width L=110 ~ 500

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

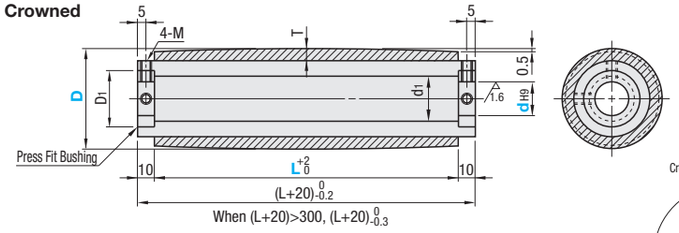
RoHS10

Type		M Material		H Hardness
Crowned	(Crosspiece Groove Straight)	Core	Lining	
RWBCU	RWBMU	Aluminum Alloy	Urethane (Natural Color)	Shore A90
RWBCG	RWBMG			Shore A70

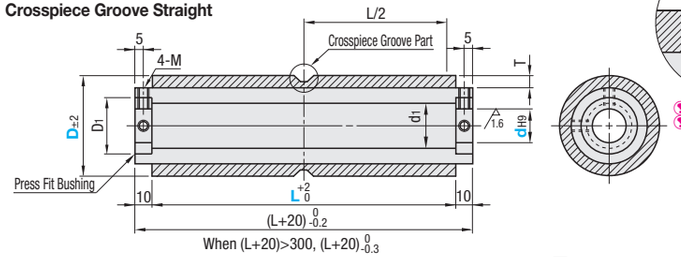
Urethane is heat-bonded on the outer circumference of the core material.

6.3 (1.6)

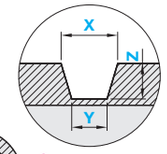
Crowned



Crosspiece Groove Straight



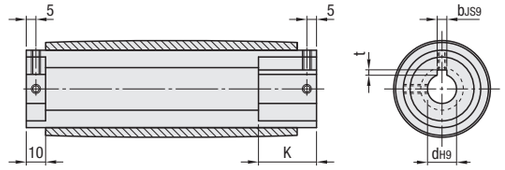
Crosspiece Groove Part



X≥Y

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

■Keyway Shape



■New JIS (B1301) Keyway Dimensions

Nominal	dH9		bJS9		t Tolerance	
N10	10	+0.036 0	3	±0.0125	1.4	+0.1 0
NK10	10	0				
N12	12	+0.043 0	4	±0.0150	1.8	
N20	20		6		2.8	
N25	25	+0.052 0	8	±0.0180	3.3	+0.2 0
N30	30					
N35	35	+0.062 0	10			

Part Number		dH9		10mm Increment	1mm Increment			Urethane Thickness	Keyway Length	d1	D1	M
Type	D	Round Hole + Tap	Keyway + Tap	L	X	Y	Z	T	K			
Crowned RWBCU RWBCG	28	8	-	110~500	-	-	-	5	-	10	12	M3
	38	12	N12					5	25	20	22	
		15	-						-			
Crosspiece Groove Straight RWBMU RWBMG	48	*10	*N10, *NK10		7~15	7~12	4~7	10	25	20	22	
		*15	-						-			
		20	N20		-	-	-	5	30	30	32	M5
		25	-						-			
	58	*20	*N20		7~15	7~12	4~7	10	30	30	32	
Crosspiece Groove Straight is applicable to * marked d dimension only.		*25	-						-			
	78	*25	*N25					10	30	50	52	M6
		*30	*N30									
		*35	*N35									

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

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

Ordering Example

■Crowned: Part Number - d - L
RWBCU58 - N20 - 320

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

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

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