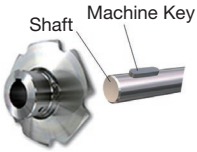
Conveyor Sprocket for S Rollers

Order Product Code

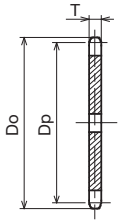
K5100S 6

Chain No. No. of Teeth

Conveyor Sprocket No.



Use together with the KANA machine key. Refer to P.334 to P.335



A-type

The beautiful exterior is a special feature with a full crosscut finish.
Special sizes other than those below can also be produced.

Caution The teeth can also be hardened using high frequency. Since the material is equivalent to S45C, please specify oil quenching and tempering as the hardening method.

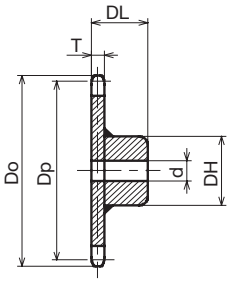
Chain No.	No. of Teeth	Basic Dimensions/Shape				Applicable Conveyor Chain Dimensions		
		Pitch Circle Diameter Dp	Outer Diameter Do	Tooth Width T	Tooth Shape	Chain Pitch	Roller Diameter	Roller Link Inner Width
K3075S	6	150.000	158	12	S1	75	15.9	16.1
	8	195.982	206					
	10	242.707	252					
	12	289.777	299					
K3100S	6	200.000	210	12	S2	100	15.9	16.1
	8	261.310	269		S1			
	10	323.610	333		S1			
	12	386.370	396		S1			
K5075S	8	195.982	209	18	S1	75	22.2	22.2
	10	242.707	256					
	12	289.777	303					
K5100S	6	200.000	212	18	S2	100	22.2	22.2
	8	261.310	273		S1			
	10	323.610	337		S1			
	12	386.370	400		S1			
K5150S	6	300.000	310	18	S2	150	22.2	22.2
	8	391.965	405		S2			
	10	485.415	499		S2			
	12	579.555	592		S1			
K10100S	6	200.000	217	22	S2	100	30	30
	8	261.310	279		S1			
	10	323.610	341		S1			
	12	386.370	404		S1			
K10150S	6	300.000	316	22	S2	150	30	30
	8	391.965	409		S2			
	10	485.415	503		S1			
	12	579.555	597		S1			

Conveyor Sprocket for S Rollers <A/BW/CW-type>

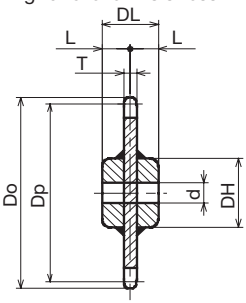
Caution

When welding an A-type boss, please use S20C, or less, for the boss material. Please use a low-hydrogen type electrode or wire for welding, preheating the sprocket and cooling it slowly after welding is complete. Distortion may occur in the sprocket due to the welding, in which case it may warp into an umbrella shape. Please take all necessary care when working to relieve this stress.

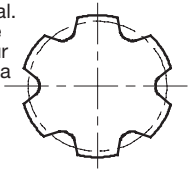
Production Examples



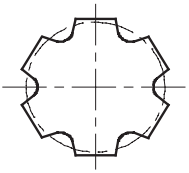
BW-type



CW-type



Tooth Shape S1



Tooth Shape S2

m Carbon Structural Steel

Common Basic Specification Dimensions					
Prepared Hole Diameter d	Shaft Diameter Range d(MAX)	Boss Diameter DH	Total Width DL	Center Distance L(CW-type)	Mass kg
20	50	73	57	28.5	3.0
20	55	83	62	31.0	4.8
20	60	93	67	33.5	7.1
20	60	93	67	33.5	9.0
20	55	83	62	31.0	4.9
20	60	93	67	33.5	7.8
20	65	98	72	36.0	11.1
20	65	98	72	36.0	14.4
26	75	107	86	43.0	8.6
26	75	107	86	43.0	10.9
26	80	117	94	47.0	15.1
26	75	107	86	43.0	8.8
26	75	107	86	43.0	12.0
26	80	117	94	47.0	17.4
26	85	127	104	52.0	24.4
26	80	117	94	47.0	15.8
26	85	127	104	52.0	24.9
26	95	137	116	58.0	36.7
26	95	137	116	58.0	47.8
30	75	107	90	45.0	9.8
30	85	127	108	54.0	17.1
30	95	137	120	60.0	24.7
30	100	147	123	61.5	32.6
30	95	137	120	60.0	22.7
30	100	147	123	61.5	33.2
30	110	157	133	66.5	47.6
30	115	167	144	72.0	65.2

Caution

1. The diameter d represents general situations. Please determine the shaft hole and key surface according to general mechanical design.
2. For a sprocket mass exceeding 30kg, it may be necessary to put a hanging hole in the tooth section.