


Sprockets / Chains / Oil-Free Chains

60B Series

Sprockets – 60B Series



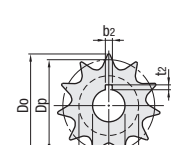
RoHS 10

Type	Material	Surface Treatment
SP60B	1045 Carbon Steel or Equivalent (Induction Hardened Teeth Tip)	—
BSP60B	1045 Carbon Steel or Equivalent (Induction Hardened Teeth Tip)	Black Oxide
SSP60B	304 Stainless Steel Equivalent	—

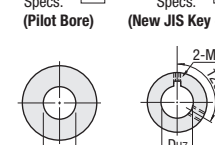
Accessories: Set Screw
(Only for shaft bore specifications (N))

⓪ Offset between tooth tip and keyway is ±0.5mm.
Ⓛ For the 13 or less teeth, sprockets have grooves on hub O.D.

Shaft Bore Specs. (Pilot Bore) **S**



Shaft Bore Specs. (New JIS Key + Tap) **N**



Shaft Bore Specifications

Shaft Bore Dia. D	Keyway b _x × t _z	Set Screw M
15-17	5 × 2.3	6
18-22	6 × 2.8	6
24-30	8 × 3.3	8
32-38	10 × 3.3	8
40	12 × 3.3	8
45	14 × 3.8	10

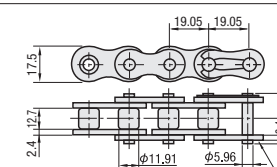
Part Number	Shaft Bore Specs.	Shaft Bore Dia.		Dp	Do	H	GD	L	ℓ	Mass (g)	Available Types							
		S Specs. D _{HS}	N Specification D _{H7}								S Spec. (In Stock)	N Spec. (In Stock)	N Spec. (Other than In Stock)					
SP60B	S	12	19 22	55.7	63	43	32	32	6	400	•	•	•					
		14	19 22 24 25	61.65	68	49	37			490	•	•	•					
		16	19 22 24 25 28 30	67.62	76	51	45			600	•	•	•					
		18	19 22 24 25 28 30 32 35	73.6	83	51				690	•	•	•					
		20	19 22 24 25 28 30 32 35 38	79.6	89	57				810	•	•	•					
		22	19 22 24 25 28 30 32 35 38 40	85.61	95	62				960	•	•	•					
		24	19 22 24 25 28 30 32 35 38 40 42 45	91.62	101	68				1100	•	•	•					
		26	19 22 24 25 28 30 32 35 38 40 42 45 50	97.65	107					1300	•	•	•					
		28	19 22 24 25 28 30 32 35 38 40 42 45 50	103.67	113					1400	•	•	•					
		30	19 22 24 25 28 30 32 35 38 40 42 45 50	109.71	119					2000	•	•	•					
		N	16	19 22 24 25 28 30 32 35 38 40 42 45 50	115.74	126					2100	•	•	•				
			18	19 22 24 25 28 30 32 35 38 40 42 45 50	121.78	132					2200	•	•	•				
			20	19 22 24 25 28 30 32 35 38 40 42 45 50	127.82	138					2300	•	•	•				
			22	19 22 24 25 28 30 32 35 38 40 42 45 50	133.86	144					2500	•	•	•				
			24	19 22 24 25 28 30 32 35 38 40 42 45 50	139.9	150					2600	•	•	•				
	26		19 22 24 25 28 30 32 35 38 40 42 45 50	145.95	156			2700	•	•	•							
	28		19 22 24 25 28 30 32 35 38 40 42 45 50	151.99	162			2900	•	•	•							
	30		19 22 24 25 28 30 32 35 38 40 42 45 50	158.04	168			3000	•	•	•							
	BSP60B		N	14	19 22 24 25	55.7	63	43	32	32	6	400	•	•	•			
				16	19 22 24 25 28 30	61.65	68	49	37			490	•	•	•			
				18	19 22 24 25 28 30 32 35	67.62	76	51	45			600	•	•	•			
				20	19 22 24 25 28 30 32 35 38	73.6	83	51				690	•	•	•			
				22	19 22 24 25 28 30 32 35 38 40	79.6	89	57				810	•	•	•			
				24	19 22 24 25 28 30 32 35 38 40 42 45	85.61	95	62				960	•	•	•			
				26	19 22 24 25 28 30 32 35 38 40 42 45 50	91.62	101	68				1100	•	•	•			
		28		19 22 24 25 28 30 32 35 38 40 42 45 50	97.65	107			1300			•	•	•				
		30		19 22 24 25 28 30 32 35 38 40 42 45 50	103.67	113			1400			•	•	•				
		SSP60B		S	14	19 22 24 25	55.7	63	43			32	32	6	400	•	•	•
					16	19 22 24 25 28 30	61.65	68	49			37			490	•	•	•
					18	19 22 24 25 28 30 32 35	67.62	76	51			45			600	•	•	•
20					19 22 24 25 28 30 32 35 38	73.6	83	51				690			•	•	•	
22					19 22 24 25 28 30 32 35 38 40	79.6	89	57				810			•	•	•	
24					19 22 24 25 28 30 32 35 38 40 42 45	85.61	95	62				960			•	•	•	
26	19 22 24 25 28 30 32 35 38 40 42 45 50		91.62		101	68		1100	•	•	•							
28	19 22 24 25 28 30 32 35 38 40 42 45 50		97.65		107			1300	•	•	•							
30	19 22 24 25 28 30 32 35 38 40 42 45 50		103.67		113			1400	•	•	•							
N	16		19 22 24 25 28 30 32 35 38 40 42 45 50		109.71	119			2000	•	•	•						
	18		19 22 24 25 28 30 32 35 38 40 42 45 50		115.74	126			2100	•	•	•						
	20		19 22 24 25 28 30 32 35 38 40 42 45 50		121.78	132			2200	•	•	•						
	22		19 22 24 25 28 30 32 35 38 40 42 45 50		127.82	138			2300	•	•	•						
	24		19 22 24 25 28 30 32 35 38 40 42 45 50		133.86	144			2500	•	•	•						
	26		19 22 24 25 28 30 32 35 38 40 42 45 50		139.9	150			2600	•	•	•						
	28	19 22 24 25 28 30 32 35 38 40 42 45 50	145.95	156			2700	•	•	•								
	30	19 22 24 25 28 30 32 35 38 40 42 45 50	151.99	162			2900	•	•	•								

Part Number Example: SP60B24 - Bore Specification N - Shaft Bore Dia. 30

Ⓛ For the Number of Teeth: 11-13 and the Shaft Dia.: 24 mm or less, the M6 set screw is applicable.

Chains – 60B Series

Type	Material
CHE60	Steel
CHEM60	Lubrication-Free (Steel / Oil Contained Bushings)
CHES60	304 Stainless Steel



Ⓛ For details of Lubrication-Free Chains, P.1510.
For Small Conveyor Chains, refer to P.1510.

Number of Links Configurable

Part Number	No. of Links Specification (Specify Even No.)	h	m	n	Max. Allowable Tension (kN)
CHE60	4~	12.65	14.15	26.80	8.83
CHEM60	4~	13.45	14.95	28.40	8.83
CHES60	4~	12.65	14.15	26.80	1.03

Unit Type


Part Number	Max. Allowable Tension (kN)
CHE60-U (160 Links, Circumference Length 3,048 mm)	8.83
CHEM60-U (160 Links, Circumference Length 3,048 mm)	8.83
CHES60-U (160 Links, Circumference Length 3,048 mm)	1.03

Part Number Example: CHE60 - Number of Links Configurable 200

Sprockets / Chains / Joint Links / Off-Set Links

80B Series

Sprockets – 80B Series



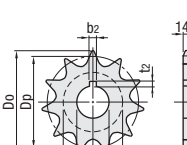
RoHS 10

Type	Material
SP80B	1045 Carbon Steel or Equivalent (Induction Hardened Teeth Tip)

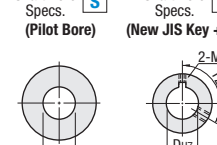
Accessories: Set Screw
(Only for shaft bore specifications (N))

⓪ Offset between tooth tip and keyway is ±0.5mm.
Ⓛ For the 9 teeth, sprockets have grooves on hub O.D.

Shaft Bore Specs. (Pilot Bore) **S**



Shaft Bore Specs. (New JIS Key + Tap) **N**



Shaft Bore Specifications


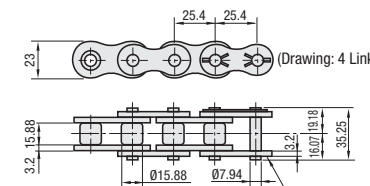
Shaft Bore Dia. D	Keyway b _x × t _z	Set Screw M
25-30	8 × 3.3	8
32-38	10 × 3.3	8
40, 42	12 × 3.3	8
45, 50	14 × 3.8	10

Part Number	Shaft Bore Specs.	Shaft Bore Dia.		Dp	Do	H	GD	L	ℓ	Mass (g)	Available Types		
		S Specs. D _{HS}	N Specification D _{H7}								S Spec. (In Stock)	N Spec. (In Stock)	N Spec. (Other than In Stock)
SP80B	S	14	25 28 30 32	74.27	85	58	44	32	7	870	•	•	•
		16	25 28 30 32 35 38	82.19	93	52				1020	•	•	•
		18	25 28 30 32 35 38 40 42 45 50	90.16	102	60				1250	•	•	•
		20	25 28 30 32 35 38 40 42 45 50	98.14	110	67				1600	•	•	•
		22	25 28 30 32 35 38 40 42 45 50	106.14	118					1900	•	•	•
		24	25 28 30 32 35 38 40 42 45 50	114.15	127					2150	•	•	•
		26	25 28 30 32 35 38 40 42 45 50	122.17	135					2300	•	•	•
		28	25 28 30 32 35 38 40 42 45 50	130.2	143					2500	•	•	•
		30	25 28 30 32 35 38 40 42 45 50	138.23	151					2950	•	•	•
		32	25 28 30 32 35 38 40 42 45 50	146.27	159					3150	•	•	•
		34	25 28 30 32 35 38 40 42 45 50	154.32	167					3400	•	•	•
		36	25 28 30 32 35 38 40 42 45 50	162.37	176					3600	•	•	•
	N	14	25 28 30 32 35 38 40 42 45 50	170.42	184			3850	•	•	•		

Part Number Example: SP80B20 - Bore Specification N - Shaft Bore Dia. 16

Chains – 80B Series

Type	Material
CHE80	Steel

*The last link is the Joint Link.

Number of Links Configurable

Part Number	Number of Links (Specify Even Number)	Max. Allowable Tension (kN)
CHE80	4~	14.71

Unit Type

Part Number	Max. Allowable Tension (kN)
CHE80-U (120 Links, Circumference Length 3,048 mm)	14.71

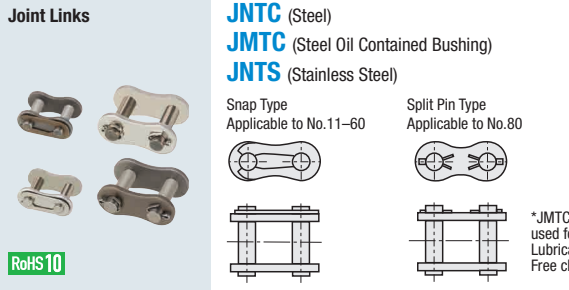
For Small Conveyor Chains, refer to P.1520.

(1) Specify links by even numbers. (One joint link included)
(2) A roller chain longer than the unit length (number of unit links) is divided into separate packages per unit.
Ex.) CHE80-200, 2 Separate Packages: 120 Links + 80 Links.

Part Number Example: CHE80 - Number of Links 200

Joint Links

Type	Material
JNTC	Steel
JMTC	Steel Oil Contained Bushing
JNTS	Stainless Steel



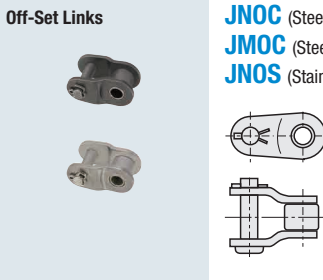
*JMTC is used for Lubrication-Free chains.

Number of Links Configurable

Part Number	No.	Available Types			
		JNTC (1-9 Link(s))	JMTC (10-50 Links)	JNTS (1-9 Link(s))	JMTC (10-50 Links)
JNTC JMTC JNTS	11	•	•	•	•
	15	•	•	•	•
	25	•	•	•	•
	35	•	•	•	•
	40	•	•	•	•
	50	•	•	•	•

Off-Set Links

Type	Material
JNOC	Steel
JMOC	Steel Oil Contained Bushing
JNOS	Stainless Steel



*JMOC is used for Lubrication-Free chains.
*Use offset links when an odd number of links is required.

Correspondence Table b/w chains and joint links

Chain Part Number	Joint Link Part Number
CHE_	JNTC, JNOC
CHEM_	JMTC, JMOC
CHES_	JNTS, JNOS

Part Number Example: JNTC25