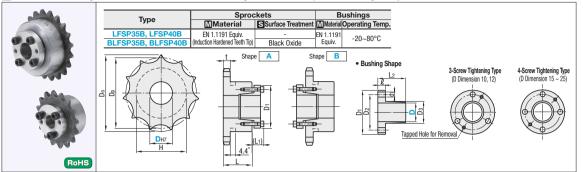
Keyless Sprockets

35B, 40B Series

Features: The strength of shafts is not deteriorated as machining to shafts is not required. Positioning is easy.



35B Serie	S								For Chains, s	ee ፮ P.1535.
Part Numl	oer	Shaft Bore Dia.	Shape	Dp	Do	н	L		Unit	Price
Type	Number of Teeth	D н7	Snape	ър	БО	п	_	t	LFSP35B	BLFSP35B
	12	10		36.80	41	*30.5				
	13	10		39.80	44	*32				
LECDOED	14	10 12	Α	42.81	47	32				
LFSP35B BLFSP35B	15	10 12		45.81	51	35	20	4.3		
DEI OF OOD	16	10 12 15 16	В	48.82	54	37				
	18	12 15 16 17		54.85	60	44				
	20	12 15 16 17 18 20 22]	60.89	66	50				

For sprockets with 12 teeth, A Shape only. Sprockets marked with * have grooves on hub 0.D.

40B Serie	S								For Chains, s	ee 🗷 P.1535.
Part Numl	ber	Shaft Bore Dia, DH7	Shape	Dn	Do	н	L		Unit	Price
Type	Number of Teeth	Shart Bore Dia. DH/	опаре	Dp	БО	п	_	١.	LFSP40B	BLFSP40B
	12	12 15 16 17		49.07	55	*40				
	13	12 15 16		53.07	59	37				
	14	12 15 16 17		57.07	63	42				
I FOR AND	15	12 15 16 17 18 20	Α	61.08	67	46	22			
LFSP40B BLFSP40B	16	15 16 17 18 20 22		65.10	71	50	22	7.2		
DEI OF 40D	17	15 16 17 18 20 22	В	69.12	76	54				
	18	15 16 17 18 20 22 25	1	73.14	80	57				
	19	15 16 17 18 20 22 25	1	77.16	84	62				
	20	15 16 17 18 20 22 25		81.18	88	67	25			

Sprockets marked with * have grooves on hub 0.D.

Bushing Dimension/Performance Table

Shaft Bore	D ₁	D2	D ₃	d1	(L ₁)	L2	0	Maximum Allowable		Scr		Screw Tightening	Tapped Hole
Dia. D	וט	D2	D3	u1	(L1)	L2	, k	Torque N·m {kgf·m}	Load kN (kgf)	Qty.	Size	Torque N·m {kgf·m}	for Removal
10	30	22	12	4.5	10.5	16.5		39 {4.0}		3	M4x16		
12	32	24	14	4.5	10.5	16.5		48 {4.9}		ა	IVI4X I O		
15	36	28	17.6	12	22	6		78 {7.95}	5.34 {545}			4.0 (0.41)	M4x2
16	37	29	18.6	13	23			83 {8.5}	(0.0)		M4x18		
17	38	30	19.6	13	23		5	88 {9.0}					
18	43	33	20.6			7		154 {15.7}		4			
20	46	36	23.4	5.5	14	_ ′		171 {17.4}	8.74		M5x20	8.3 {0.85}	M5x2
22	48	38	24.6	5.5	14			186 {19.16}	{895}		IVIJXZU	0.3 (0.03)	IVIJAZ
25	52	42	28.4					216 {21.8}					

Part Number

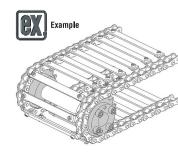
Shaft tolerance g6 and shaft surface roughness Ra6.3 are standard.

In the event that transmissible torque exceeds values in the above table, shaft could slip, resulting in serious • When there is keyway machining or D cut on the installed shaft, transmitting torque is reduced by approximately 15% or more. danger. Make sure that it is used within the allowable torque range.



Features

• When a keyway is added to a shaft, the position of teeth / keys is fixed. On such a shaft, however, by using Keyless Sprockets, the position of teeth can be adjusted freely



■Note on Installation

· Tighten the bushing screws after inserting the shaft. (Bushing may deform if the screws are tightened before inserting the shaft.)

·Use torque wrench to tighten screws • Do not use tightening screws other than included.

 $\widehat{\ \ }$)Wipe off the shaft surface and lightly apply oil or grease.

(Do not use any oil or grease containing molybdenum type antifriction agent.)

2 Please completely wipe off sprockets and bushing contact surfaces also before lubricating with oil or grease. Please lubricate screw and seating surfaces in the same manner.

(3) Sub-assemble Sprockets and husbing before the shaft is inserted. (Do not tighten the screws on the bushing before inserting into shaft.)

4)After locating, tighten the lock screws using a torque wrench in the diagonal line order, beginning lightly (approx. 1/4 of the predetermined tightening torque).

(5) Tighten the screws further to an increased torque (approximately 1/2 specified torque).

⑥Tighten with the predetermined tightening torque.

7) Finally, tighten the screws to the listed torque values in a

•Be sure the system is completely shut down before starting work.

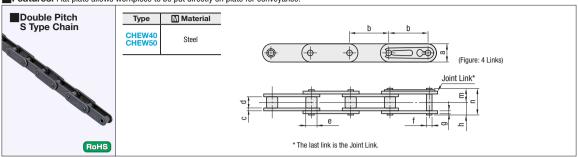
· Loosen the tightening screws in circumferential order. Insert a screw in a screw hole for removal and tighten evenly.

· Repeat "Installation" process for re-installation.

[S Type Roller] Double Pitch Chains, Sprockets, Joint Links

2040B, 2050B Series

Features: Flat plate allows workpiece to be put directly on plate for conveyance.



Part Number	Number of Links (Specify Even Number)	Max. Allowable Tension (kN)	1 Unit (Number of Links)	Unit Price	Cutting Charge
CHEW40	4~	2.75	120 (Circumference Length 3,048mm)		
CHEW50	4~	4.41	96 (Circumference Length 3 048mm)		

1) Specify links by even numbers. The last link is the Joint Link

(2) When the ordered number of links exceeds the given number of links per unit, the qty, of links per unit and the extra qty, of links are packaged separately. Ex.) For CHEW40-300, 3 separate packages: 120 links x 2 units + 60 links

· Detailed Chain Dimension

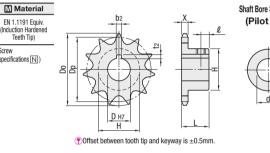
Туре	a	b	С	d	е	f	g	h	m	n
CHEW40	11.7	25.4	1.5	7.95	7.95	3.97	1.5	8.02	9.53	17.55
CHFW50	14.6	31.75	2	9.53	10.16	5.09	2	10.15	11.6	21.75

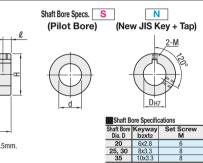












Part Numb	er	Shaft Bore	SI	naft B	ore Dia	1.		Numl	ber of			H	ub			Mass		Unit Price	
Туре	Allocated Number of Teeth	Specs.	S Specification (DH8)	N	Spec (D	ificatio	on		ating eth	Dp	Do	н	L	Х	l	(kg)	S Specification	N Spec. (In Stock)	N Spec. (Other than In Stock)
	19		14	20*	25*	30	35	9	1/2	78.23	84	60				0.64			
SP2040B	21	8	14	20	25	30	35	10	1/2	86.17	92	69	25	7.2	7	0.93		-	
3P2U4UB	23	N.	14	20	25	30	35	11	1/2	94.15	100	77	25	1.2	′	0.99		-	
	25	IN	14	20*	25	30	35	12	1/2	102.14	108	63				1.06			
	19		14	20	25*	30	35	9	1/2	97.78	105					1.1			
SP2050B	21	8	14	20	25	30	35	10	1/2	107.72	115	73	28	8.7	8	1.62		-	
3F2U3UB	23		16	20	25	30	35	11	1/2	117.68	125	/3	28	0.7	o	1.74		-	
	25	IN	16		25	30	35	12	1/2	127.67	135	1				1.87		-	





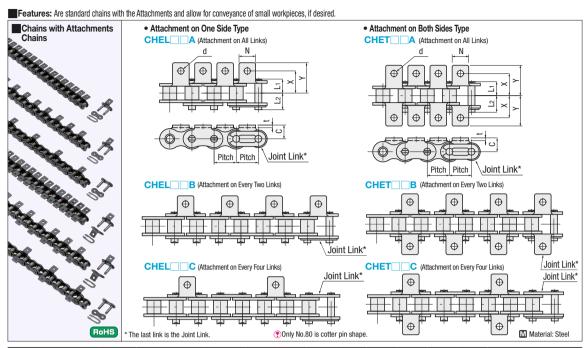
Part Numb	oer	Unit Price	Volume Discount Rate
Туре	No.	1 ~ 20 Link(s)	21 ~ 50 Links
JNTWC	40		
(Steel)	50		





Chains with Attachments, Joint Links

40, 50, 60, 80 Series



Part	Number		* Number	Pitch	Pi	ns	Plate		At	tachme	ent		Max. Allowable Tension
Туре	No.	Nominal	of Links	PILCII	L ₁	L2	t	С	Х	Υ	N	d	kN (kgf)
	40		4~	12.7	8.07	9.48	1.5	7.9	12.7	17.4	9.5	3.6	2.75 (280)
CHEL (One Side Type)	50	A (All Links) B (Every Two Links)	4~	15.875	10.17	11.63	2	10.3	15.9	22.3	12.7	5.2	4.41 (450)
CHET (Both Sides Type)	60	C (Every Four Links)	4~	19.05	12.7	14.2	2.4	11.9	19.05	27.2	15.9	5.2	6.28 (640)
	80	(Evory rour Ellino)	4~	25.4	16.15	19.25	3.2	15.9	25.4	35.2	19.1	6.8	10.69 (1090)

* Use 2's multiples for "attachment on every link" and "attachment on every 2 links". Use 4's multiples for "attachment on every 4 links".

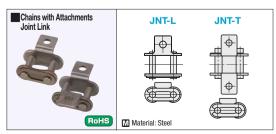
			Unit	Price			
No.	Atta	chment on One Side	Туре	Attac	hment on Both Sides	Туре	Cutting
	CHEL A	CHEL B	CHEL C	CHET A	CHET B	CHET C	Charge
Specified Number of Links	Multiple of 2	Multiple of 2	Multiple of 4	Multiple of 2	Multiple of 2	Multiple of 4	
40							
50							1
60							1
80							1

Number of Links per Unit Part Number Number of Links per Unit 40 (Circumference Length 3,048mm **CHEL** CHET

192 (Circumference Length 3.048mm) 160 (Circumference Length 3,048mm) 80 120 (Circumference Length 3.048mm)



When the ordered number of links exceeds the given number of links per unit, the qty. of links per unit and the extra qty. of links are packaged separately. Ex.) For CHEL50A-300, 2 separate packages: 192 links x 1 unit + 108 links

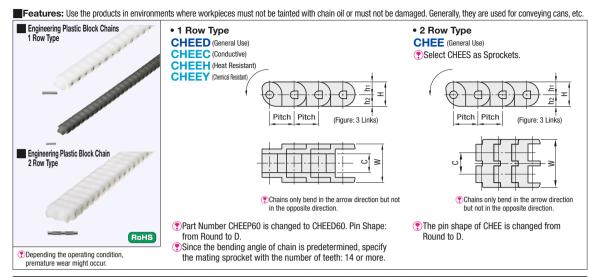


Part Num	ber	JNT-L	JNT-T
Type	No.	Unit Price	Unit Price
туре	NO.	1 ~ 20 Links	1 ~ 20 Links
JNT-L	40		
(One Side Type)	50		
JNT-T	60		
(Both Sides Type)	80		

The state of the s

Engineered Plastic Block Chains / Dedicated Sprockets

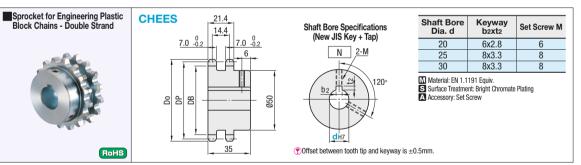
1 Row Type, 2 Row Type



Part Num	ber	Number	Number	Hoogo	Color	Allowable	Allowable Chain Speed (m/min)	Coefficient of	Reference	Operating Temp.	Ditoh	С	w	н	h₁	h ₂	Number of Links	Unit Price
TYPE	No	of Links	of Rows	Usage	COIOI	Tension (N)	Speed (m/min)	f1	Mass (kg/m)	(°C)	PILCII		vv	п	Ш	112	per Unit	1 Link Unit Price x Number of Links
CHEED	40			General	White	441	60	0.25	0.32	-5~65	12.7	7.95	20	12.7	6.7	6	240 (Circumference Length 3,048mm)	
CHEED	60			Use	wille	882	00	0.23	0.72	-5~05	19.05	12.7	30	17.3	8.8	8.5	160 (Circumference Length 3,048mm)	
CHEEC	40	4~	Single	Conductive	Black	340	60	0.25	0.36	-20~80	12.7	7.95	20	12.7	6.7	6	240 (Circumference Length 3,048mm)	
CHEEH	40	4~		Heat Resistant	Black	440	100	0.25	0.36	-20~150	12.7	7.95	20	12.7	6.7	6	240 (Circumference Length 3,048mm)	
CHEEY	40			Chemical Resistant	White	250	60	0.25	0.36	-20~80	12.7	7.95	20	12.7	6.7	6	240 (Circumference Length 3,048mm)	
CHEE			2 Rows	General Use	White	1270	60	0.25	0.55	-5~65	12.7	14.4	32	12.7	6.4	6.3	240 (Circumference Length 3,048mm)	

When the ordered number of links exceeds the given number of links per unit, the qty, of links per unit and the extra qty, of links are packaged separately. Ex.) For CHEE-300, 2 separate packages: 240 links x 1 unit + 60 links





		_						
Part Number		Do	Dp	Root Dia. DB	Number	Reference Mass	Unit Price	
Type	dH7	D0	Ър	Dia. DB	of Teeth	(kg)	UIIIL FIICE	
	20							
CHEES	25	68	65.1	57.15	16	0.6		
	30							



■ Resistance Against Chemicals and Oils				
	Spec. for General Use / Conductive Type	Spec. for Chemical Resistant Type		
Chemical Name	CHEED CHEEC	CHEEY		
Acetone	0	×		
Oil (Vegetable, Mineral)	0	0		
Alcohol	0	0		
Ammonia Water	0	0		
Sodium Chloride	0	0		
Hydrochloric Acid (2%)	×	×		
Seawater	Δ	Δ		
Oxygenated Water	×	0		
Sodium Hydroxide (Sodium Hydroxide (25%)	0	0		

	Spec. for General Use / Conductive Type	Spec. for Chemical Resistant Type
Chemical Name	CHEED	CHEEY
hromic Acid	×	Δ
cetic Acid	×	0
arbon Tetrachloride	0	0
odium Hypochlorite	×	×
itric Acid (5%)	×	0
otassium Hydrate	0	0
oap Solution	0	0
actic Acid	0	0
araffin	0	0
enzene	0	0
dine	×	X
ulfuric Acid	×	×
haankaria Aaid (100/)		^

	Spec. for General Use / Conductive Type	Spec. for Chemical Resistant Type
Chemical Name	CHEED	CHEEY
Whiskey	0	0
Milk	0	0
Vinegar	Δ	Δ
Soft Drinks	0	0
Beer	0	0
Fruit Juice	0	0
Water	0	0
Vegetable Juice	0	0
Wine	0	0

THEEH is intended for use in dry environments and cannot be used

