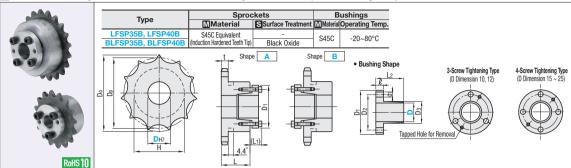
Keyless Sprockets

35B, 40B Series

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



35B Series For Chains, see F.1535. Part Number Shaft Bore Dia. **Unit Price** Shap Dp Dο н L t D_H7 Type 12 36.80 41 *30 5 39.80 44 *32 13 10 12 42.81 47 32 LFSP35B 4.3 15 10 12 45.81 51 35 20 **BLFSP35B** 16 10 12 15 16 48.82 54 37 12 15 16 17 54.85 60 44 20 12 15 16 17 18 20 22 60.89 66 50

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

■40B Series

For	Chains,	see	Æ	P.1535.
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Part Number		Shaft Bore Dia, DH7	Ch	Dn	Da	н	L		Unit Price	
Type	Number of Teeth	Snart bore Dia. DH/	Shape	Dp	Do	п	-	τ	LFSP40B	BLFSP40B
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				
	15	12 15 16 17 18 20	A	61.08	67	46	22			
	16	15 16 17 18 20 22]	65.10	71	50	22	7.2		
	17	15 16 17 18 20 22	В	69.12	76	54				
	18	15 16 17 18 20 22 25]	73.14	80	57				
	19	15 16 17 18 20 22 25]	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	D ₂	Dз	d1	(L ₁)	L2	Maximum Allowable Allowable Th					Screw Tightening	Tapped Hole	
Dia. D	Di	D2	D3	ui	(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}	5.34 - {545}	3	M4x16	4.0 {0.41}	M4x2	
12	32	24	14					48 {4.9}						
15	36	28	17.6	12	22	6		78 {7.95}			M4x18			
16	37	29	18.6	13	23		5	83 {8.5}						
17	38	30	19.6		23			88 {9.0}						
18	43	33	20.6	5.5 14			7		154 {15.7}		4			
20	46	36	23.4		14	'		171 {17.4}	8.74 {895}		M5x20	8.3 {0.85}	M5x2	
22	48	38	24.6		14			186 {19.16}						
25	52	42	28.4					216 {21.8}						

- Shaft tolerance g6 and shaft surface roughness Ra6.3 are standard.
- When there is keyway machining or D cut on the installed shaft, transmitting torque is reduced by approximately 15% or more.
- In the event that transmissible torque exceeds values in the above table, shaft could slip, resulting in serious danger. Make sure that it is used within the allowable torque range.

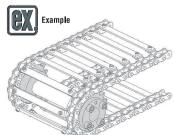
Example LFSP35B16 -

Ordering Part Number - Number of Teeth - d



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 and, thereby, phase matching is facilitated.



■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.

Installation

- ①Wipe off the shaft surface and lightly apply oil or grease (Do not use any oil or grease containing molybdenum type antifriction agent.)
- ②Please 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.
- ③Sub-assemble Sprockets and bushing 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).
- ©Tighten with the predetermined tightening torque.
- Trinally, tighten the screws to the listed torque values in a circumferential order.

- ·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.

