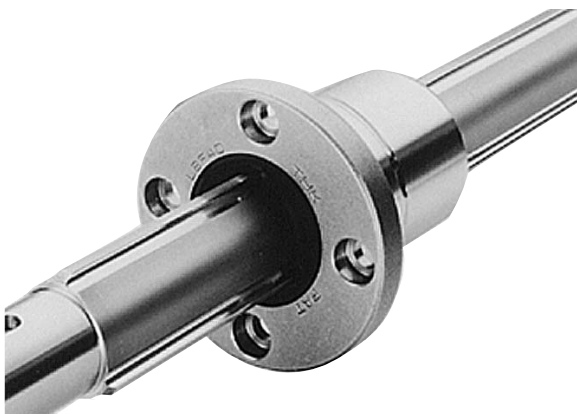


Type LBF

(medium-duty type)



Model No.	Spline-nut dimensions										
	Outer diameter D		Length L		Flange diameter D ₁		H	F	Oil hole d ₀	PCD	
		Tolerance		Tolerance		Tolerance					
LBF 15	23	$\begin{smallmatrix} 0 \\ -0.013 \end{smallmatrix}$	40	$\begin{smallmatrix} 0 \\ -0.2 \end{smallmatrix}$	43	$\begin{smallmatrix} 0 \\ -0.2 \end{smallmatrix}$	7	13	2	32	
LBF 20	30	$\begin{smallmatrix} 0 \\ -0.016 \end{smallmatrix}$	50		49		7	18	2	38	
LBF 25	37		60	60	9		21	2	47		
LBF 30	45		70	70	10		25	3	54		
LBF 40	57	$\begin{smallmatrix} 0 \\ -0.019 \end{smallmatrix}$	90	$\begin{smallmatrix} 0 \\ -0.3 \end{smallmatrix}$	90		$\begin{smallmatrix} 0 \\ -0.3 \end{smallmatrix}$	14	31	3	70
LBF 50	70		100		108	16		34	4	86	
LBF 60	85		127		124	18		45.5	4	102	
LBF 70	95		110		142	20		35	4	117	
LBF 85	115	$\begin{smallmatrix} 0 \\ -0.022 \end{smallmatrix}$	140	$\begin{smallmatrix} 0 \\ -0.4 \end{smallmatrix}$	168	$\begin{smallmatrix} 0 \\ -0.4 \end{smallmatrix}$		22	48	5	138
LBF 100	135	$\begin{smallmatrix} 0 \\ -0.025 \end{smallmatrix}$	160		195			25	55	5	162

Notes:

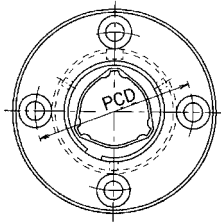
- In model numbers 15 through 70, the spline nut accommodates a retainer made of synthetic resin that generates low noise during operation. If your operating temperature exceeds 80°C, use a model with a metal retainer. When specifying such a model, append an “A” to the model number.

Please note, however, that there is no high-temperature model for types LBF15 and LBF60.

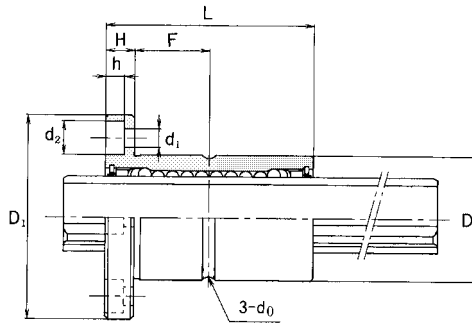
[Ex.] LBF20 A CL + 500LH

└── High-temperature symbol

- If a model with seals is required, please specify.
- For model-number coding, see page B-56.



Spline nut



Unit: mm

Mounting hole $d_1 \times d_2 \times h$	Basic torque rating		Basic load rating (radial)		Static permissible moment		Mass	
	C_T Nm	C_{0T} Nm	C kN	C_0 kN	$M_{A.1}^{1)}$ Nm	$M_{A.2}^{2)}$ Nm	Spline nut kg	Spline shaft kg/m
4.5 × 8 × 4.4	30.4	74.5	4.4	8.4	25.4	185	0.11	1.0
4.5 × 8 × 4.4	74.5	160	7.8	14.9	60.2	408	0.20	1.8
5.5 × 9.5 × 5.4	154	307	13.0	23.5	118	760	0.36	2.7
6.6 × 11 × 6.5	273	538	19.3	33.8	203	1270	0.60	3.8
9 × 14 × 8.6	599	1140	31.9	53.4	387	2640	1.2	6.8
11 × 17.5 × 11	1100	1940	46.6	73.0	594	4050	1.9	10.6
11 × 17.5 × 11	1870	3830	66.2	121	1300	8280	3.5	15.6
14 × 20 × 13	2190	3800	66.4	102	895	6530	3.6	21.3
16 × 23 × 15.2	3620	6360	90.5	141	2000	12600	6.2	32
18 × 26 × 17.5	5910	12600	126	237	3460	20600	11.0	45

Notes:

- 1) $M_{A.1}$ represents the permissible moment in the axial direction when a single spline nut is used, as shown below.
- 2) $M_{A.2}$ represents the permissible moment in the axial direction when two closely linked spline nuts are used, as shown below.

(Due to insufficient stability in accuracy, we recommend the use of closely linked double spline nuts.)

