

## Single nut with flange FED-E-B

Mounting dimensions similar to  
DIN 69051, Part 5 flange type B

Nut for significantly increasing the dynamic  
and static load capacity  
With standard seals  
Preload class: C0, C00, C1, C2  
Tolerance grade T3<sup>1)</sup>, T5, T7, T9



**⚠** When setting up applications, do not  
allow components to collide with the  
front lube unit.

Ordering data:

BASA	40x20R x 6	FED-E-B - 8	00	1	2	T5	R	82Z300	41K300	1250	0	1
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Category	Size $d_0 \times P \times D_W - i$	Part number	Load ratings <sup>3)</sup>		Linear speed <sup>2)</sup>	
			dyn. C (N)	stat. C <sub>0</sub> (N)	$v_{max}$ (m/min)	
B	16 x 16 R x 3 - 6	R1512 060 32	17 800	24 200	96	
	20 x 20 R x 3.5 - 6	R1512 170 32	25 700	38 100	120	
	25 x 25 R x 3.5 - 6	R1512 280 32	28 500	47 100	150	
	32 x 20 R x 3.969 - 6	R1512 370 32	38 300	67 300	94	
	32 x 32 R x 3.969 - 6	R1512 390 32	37 900	68 000	150	
	40 x 20 R x 6 - 8	R1512 470 32	95 500	171 100	75	
	40 x 25 R x 6 - 8	R1512 480 32	91 400	171 700	93	
	40 x 30 R x 6 - 8	R1512 4A0 32	90 400	170 300	112	
	40 x 40 R x 6 - 6	R1512 490 32	71 500	124 500	150	
	50 x 20 R x 6.5 - 8	R1512 570 32	116 500	240 000	60	
	50 x 25 R x 6.5 - 6	R1512 580 32	92 600	175 100	75	
	50 x 30 R x 6.5 - 6	R1512 5A0 32	114 500	237 700	90	
	50 x 40 R x 6.5 - 6	R1512 590 32	89 300	171 500	120	
	63 x 20 R x 6.5 - 8	R1512 670 32	130 800	292 000	48	
63 x 40 R x 6.5 - 6	R1512 690 32	100 000	230 600	95		

1) Tolerance grade T3 for sizes shown in table page 12

2) See "Characteristic speed  $d_0 \cdot n$ " on page 133 and "Critical speed  $n_{cr}$ " on page 174

3) The load ratings are valid for tolerance grade T3 and T5 only.

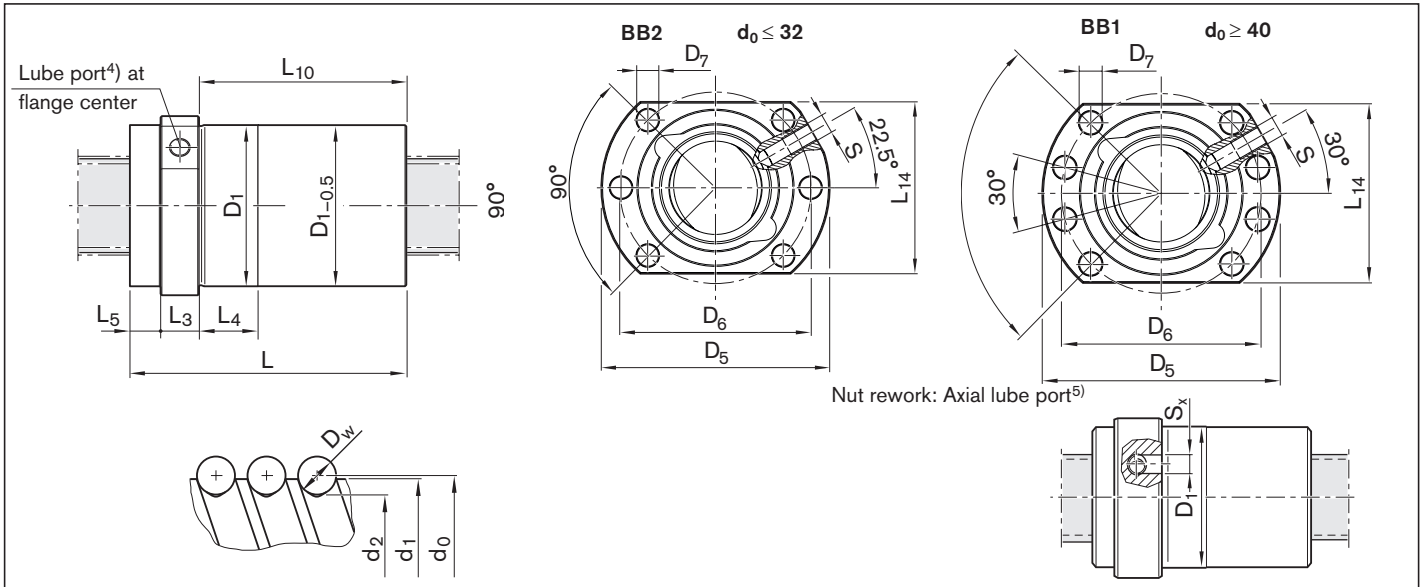
For other tolerance grades, please take into account the correction factor  $f_{acc}$  on page 133.

$d_0$  = nominal diameter

P = lead (R = right-hand)

$D_W$  = ball diameter

i = number of ball track turns



- 4) Lube port machining: flat surface  $L_3 \leq 15$  mm, countersink  $L_3 > 15$  mm  
5) The axial lube port  $S_x$  is always located on the pitch circle  $D_6$  of the nut unit.

Size	(mm)															Mass m (kg)	
	$d_1$	$d_2$	$D_1$ g6	$D_5$	Hole pattern	$D_6$	$D_7$	L	$L_3$	$L_4$	$L_5$	$L_{10}$	$L_{14}$	$S^4$	$S_x$		
$d_0 \times P \times D_w - i$																	
16 x 16 R x 3 - 6	15.0	12.9	28	48	BB2	38	5.5	61	12	20	6.0	43.0	40	M6	4	0.27	
20 x 20 R x 3.5 - 6	19.0	16.7	36	58	BB2	47	6.6	77	12	25	8.0	57.0	44	M6	4	0.48	
25 x 25 R x 3.5 - 6	24.0	21.4	40	62	BB2	51	6.6	95	12	30	9.0	74.0	48	M6	4	0.63	
32 x 20 R x 3.969 - 6	31.0	27.9	50	80	BB2	65	9.0	84	13	25	11.0	60.0	62	M6	4	0.91	
32 x 32 R x 3.969 - 6	31.0	27.9	50	80	BB2	65	9.0	120	13	40	12.0	95.0	62	M6	4	1.25	
40 x 20 R x 6 - 8	38.0	33.8	63	93	BB1	78	9.0	108	15	25	13.0	80.0	70	M8x1	5	1.85	
40 x 25 R x 6 - 8	38.0	33.8	63	93	BB1	78	9.0	127	15	30	11.5	100.5	70	M8x1	5	1.88	
40 x 30 R x 6 - 8	38.0	33.8	63	93	BB1	78	9.0	145	15	35	11.5	118.5	70	M8x1	5	2.13	
40 x 40 R x 6 - 6	38.0	33.8	63	93	BB1	78	9.0	142	15	45	11.5	115.5	70	M8x1	5	2.35	
50 x 20 R x 6.5 - 8	48.0	43.3	75	110	BB1	93	11.0	112	18	25	13.0	81.0	85	M8x1	5	2.50	
50 x 25 R x 6.5 - 6	48.0	43.3	75	110	BB1	93	11.0	107	18	25	13.5	75.5	85	M8x1	5	2.45	
50 x 30 R x 6.5 - 6	48.0	43.3	75	110	BB1	93	11.0	151	18	35	15.0	118.0	85	M8x1	5	3.04	
50 x 40 R x 6.5 - 6	48.0	43.3	75	110	BB1	93	11.0	149	18	45	15.0	116.0	85	M8x1	5	3.40	
63 x 20 R x 6.5 - 8	61.0	56.3	95	135	BB1	115	13.5	112	22	25	11.0	79.0	100	M8x1	5	3.90	
63 x 40 R x 6.5 - 6	61.0	56.3	95	135	BB1	115	13.5	149	22	45	12.0	115.0	100	M8x1	5	5.05	