Flanged Single Nut FEM-E-C

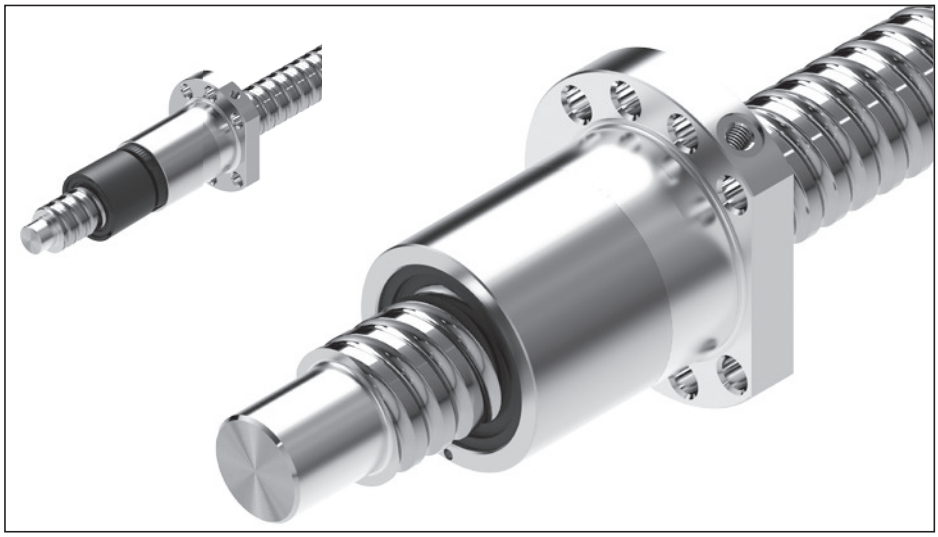
Mounting dimensions similar to DIN 69051, Part 5
Flange type C
(flange type B available. See ordering code p. 22)

With seals
With left-hand thread in some versions
With backlash, reduced backlash, preload 2%; 3% or 5%
Tolerance grade: T3[2], T5, T7, T9

Note: The Front Lube Unit is only available for right-hand screw threads.

⚠ **When setting up applications, do not allow components to collide with the Front Lube Unit.**

d_0 = nominal diameter
P = lead (R = right-hand, L = left-hand)
D_W = ball diameter
i = number of ball track turns

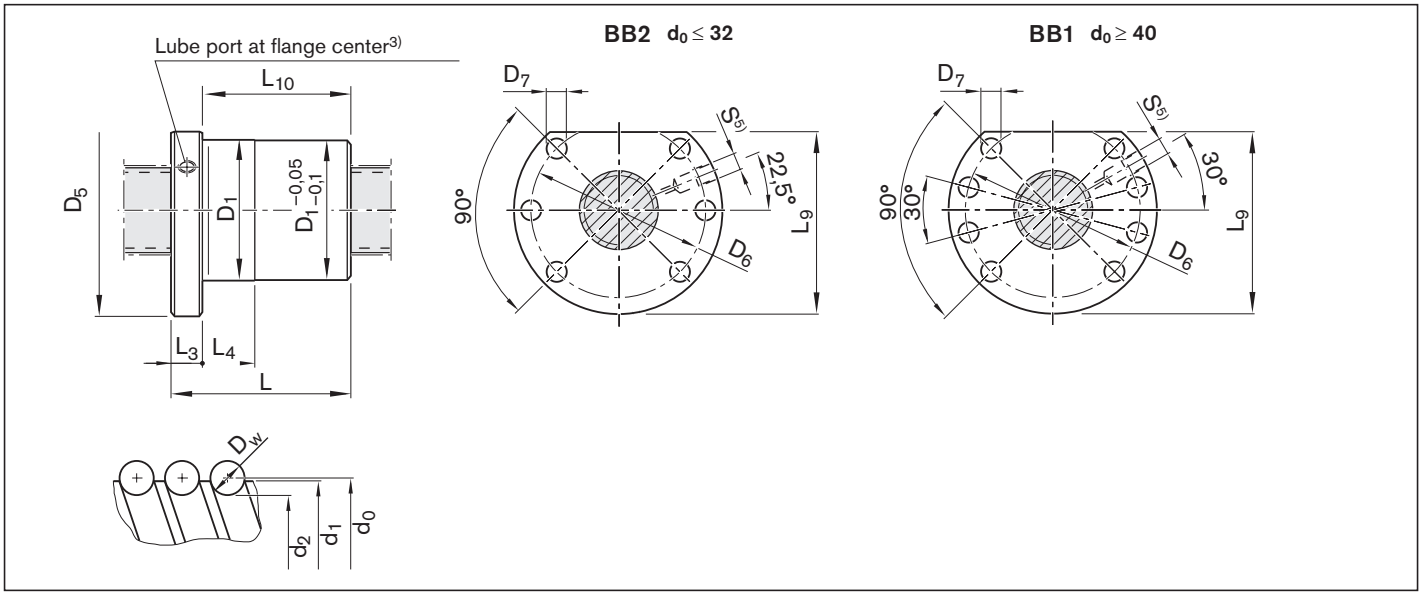


Ordering code:

BASA	20 x 5R x 3	FEM-E-C - 4	00	1	2	T7	R	82Z120	41Z120	1250	0	1

Category	Size d_0 x P x D_w - i	Part number	Load ratings dyn. C (N)	stat. C_0 (N)	Linear speed[1] v_{max} (m/min)
A	**16 x 5R x 3 - 4**	R1502 010 65	12 300	16 100	30
A	**16 x 10R x 3 - 3**	R1502 040 85	9 600	12 300	60
A	**16 x 16R x 3 - 3**	R1502 060 65	9 300	12 000	96
A	**20 x 5R x 3 - 4**	R1502 110 85	14 300	21 500	30
A	**20 x 10R x 3 - 4**	R1502 140 65	14 100	21 300	60
A	**20 x 20R x 3.5 - 3**	R1502 170 65	13 300	18 800	120
A	**25 x 5R x 3 - 4**	R1502 210 85	15 900	27 200	30
A	**25 x 10R x 3 - 4**	R1502 240 85	15 700	27 000	60
A	**25 x 25R x 3.5 - 3**	R1502 280 65	14 700	23 300	150
A	**32 x 5R x 3.5 - 4**	R1502 310 85	21 600	40 000	23
A	**32 x 10R x 3.969 - 5**	R1502 340 86	31 700	58 300	47
A	**32 x 20R x 3.969 - 3**	R1502 370 65	19 700	33 700	94
A	**32 x 32R x 3.969 - 3**	R1502 390 65	19 500	34 000	150
A	**40 x 5R x 3.5 - 5**	R1502 410 86	29 100	64 100	19
A	**40 x 10R x 6 - 4**	R1502 440 85	50 000	86 400	38
A	**40 x 10R x 6 - 6**	R1502 440 86	72 100	132 200	38
A	**40 x 12R x 6 - 4**	R1502 450 65	49 900	86 200	45
A	**40 x 16R x 6 - 4**	R1502 460 65	49 700	85 900	60
B	**40 x 20R x 6 - 3**	R1502 470 85	37 900	62 800	75
B	**40 x 40R x 6 - 3**	R1502 490 65	37 000	62 300	150
C	**50 x 5R x 3.5 - 5**	R1502 510 86	32 000	81 300	15
B	**50 x 10R x 6 - 6**	R1502 540 86	79 700	166 500	30
B	**50 x 12R x 6 - 6**	R1502 550 66	79 600	166 400	36
B	**50 x 16R x 6 - 6**	R1502 560 66	79 400	166 000	48
B	**50 x 20R x 6.5 - 5**	R1502 570 86	75 700	149 700	60
B	**50 x 40R x 6.5 - 3**	R1502 590 65	46 500	85 900	120
C	**63 x 10R x 6 - 6**	R1502 640 86	88 800	214 300	24
C	**63 x 20R x 6.5 - 5**	R1502 670 86	83 900	190 300	48
B	**63 x 40R x 6.5 - 3**	R1502 690 65	53 400	114 100	95
C	**80 x 10R x 6.5 - 6**	R1502 740 86	108 400	291 700	19
B	**80 x 20R x 12.7 - 6**	R1502 770 96	262 700	534 200	30
Versions with left-hand lead					
B	**16 x 5L x 3 - 4**	R1552 010 65	12 300	16 100	30
B	**20 x 5L x 3 - 4**	R1552 110 85	14 300	21 500	30
B	**25 x 5L x 3 - 4**	R1552 210 85	15 900	27 200	30
B	**32 x 5L x 3.5 - 4**	R1552 310 65	21 600	40 000	23
B	**40 x 5L x 3.5 - 5**	R1552 410 66	29 100	64 100	19
B	**40 x 10L x 6 - 4**	R1552 440 65	50 000	86 400	38

1) See “Characteristic speed $d_0 \cdot n$” on page 141 and “Critical speed n_{cr}” on page 178
2) Tolerance grade T3 for sizes shown in table on page 12



3) Lube port machining: flat surface $L_3 \leq 15$ mm, countersink $L_3 > 15$ mm;

Size d_0 x P x D_w - i	(mm) d_1	d_2	D_1 g6	D_5	Hole pattern	D_6	D_7	L	L_3	L_4	L_9 4)	L_{10}	S 3)	Weight m (kg)
16 x 5R x 3 - 4	15	12.9	28	48	BB2	38	5.5	38	12	10	44.0	26	M6	0.19
16 x 10R x 3 - 3	15	12.9	28	48	BB2	38	5.5	45	12	16	44.0	33	M6	0.21
16 x 16R x 3 - 3	15	12.9	28	48	BB2	38	5.5	61	12	20	44.0	49	M6	0.26
20 x 5R x 3 - 4	19	16.9	36	58	BB2	47	6.6	40	12	10	51.0	28	M6	0.31
20 x 10R x 3 - 4	19	16.9	36	58	BB2	47	6.6	60	12	16	51.0	48	M6	0.40
20 x 20R x 3.5 - 3	19	16.7	36	58	BB2	47	6.6	77	12	25	51.0	65	M6	0.49
25 x 5R x 3 - 4	24	21.9	40	62	BB2	51	6.6	45	12	10	55.0	33	M6	0.36
25 x 10R x 3 - 4	24	21.9	40	62	BB2	51	6.6	64	12	16	55.0	52	M6	0.47
25 x 25R x 3.5 - 3	24	21.4	40	62	BB2	51	6.6	95	12	30	55.0	83	M6	0.63
32 x 5R x 3.5 - 4	31	28.4	50	80	BB2	65	9.0	48	13	10	71.0	35	M6	0.62
32 x 10R x 3.969 - 5	31	27.9	50	80	BB2	65	9.0	77	13	16	71.0	64	M6	0.84
32 x 20R x 3.969 - 3	31	27.9	50	80	BB2	65	9.0	84	13	25	71.0	71	M6	0.90
32 x 32R x 3.969 - 3	31	27.9	50	80	BB2	65	9.0	120	13	40	71.0	107	M6	1.21
40 x 5R x 3.5 - 5	39	36.4	63	93	BB1	78	9.0	54	15	10	81.5	39	M8x1	1.03
40 x 10R x 6 - 4	38	33.8	63	93	BB1	78	9.0	70	15	16	81.5	55	M8x1	1.19
40 x 10R x 6 - 6	38	33.8	63	93	BB1	78	9.0	90	15	16	81.5	75	M8x1	1.49
40 x 12R x 6 - 4	38	33.8	63	93	BB1	78	9.0	75	15	25	81.5	60	M8x1	1.27
40 x 16R x 6 - 4	38	33.8	63	93	BB1	78	9.0	90	15	25	81.5	75	M8x1	1.51
40 x 20R x 6 - 3	38	33.8	63	93	BB1	78	9.0	88	15	25	81.5	73	M8x1	1.44
40 x 40R x 6 - 3	38	33.8	63	93	BB1	78	9.0	142	15	45	81.5	127	M8x1	2.16
50 x 5R x 3.5 - 5	49	46.4	75	110	BB1	93	11.0	54	15	10	97.5	39	M8x1	1.39
50 x 10R x 6 - 6	48	43.8	75	110	BB1	93	11.0	90	18	16	97.5	72	M8x1	2.14
50 x 12R x 6 - 6	48	43.8	75	110	BB1	93	11.0	105	18	25	97.5	87	M8x1	2.38
50 x 16R x 6 - 6	48	43.8	75	110	BB1	93	11.0	128	18	25	97.5	110	M8x1	2.75
50 x 20R x 6.5 - 5	48	43.4	75	110	BB1	93	11.0	132	18	25	97.5	114	M8x1	2.73
50 x 40R x 6.5 - 3	48	43.4	75	110	BB1	93	11.0	149	18	45	97.5	131	M8x1	3.04
63 x 10R x 6 - 6	61	56.8	90	125	BB1	108	11.0	90	22	16	110.0	68	M8x1	2.56
63 x 20R x 6.5 - 5	61	56.4	95	135	BB1	115	13.5	132	22	25	117.5	110	M8x1	4.51
63 x 40R x 6.5 - 3	61	56.4	95	135	BB1	115	13.5	149	22	45	117.5	127	M8x1	5.04
80 x 10R x 6.5 - 6	78	73.3	105	145	BB1	125	13.5	95	22	16	127.5	73	M8x1	3.40
80 x 20R x 12.7 - 6	76	67.0	125	165	BB1	145	13.5	170	25	25	147.5	145	M8x1	10.2
Versions with left-hand lead														
16 x 5L x 3 - 4	15	12.9	28	48	BB2	38	5.5	38	12	10	44.0	26	M6	0.19
20 x 5L x 3 - 4	19	16.9	36	58	BB2	47	6.6	40	12	10	51.0	28	M6	0.31
25 x 5L x 3 - 4	24	21.9	40	62	BB2	51	6.6	45	12	10	55.0	33	M6	0.36
32 x 5L x 3.5 - 4	31	28.4	50	80	BB2	65	9.0	48	13	10	71.0	35	M6	0.62
40 x 5L x 3.5 - 5	39	36.4	63	93	BB1	78	9.0	54	15	10	81.5	39	M8x1	1.03
40 x 10L x 6 - 4	38	33.8	63	93	BB1	78	9.0	70	15	16	81.5	55	M8x1	1.19

4) Flange type B (two flat surfaces) option available!
5) With left-hand lead the lube port position mirrors its position with right-hand lead!