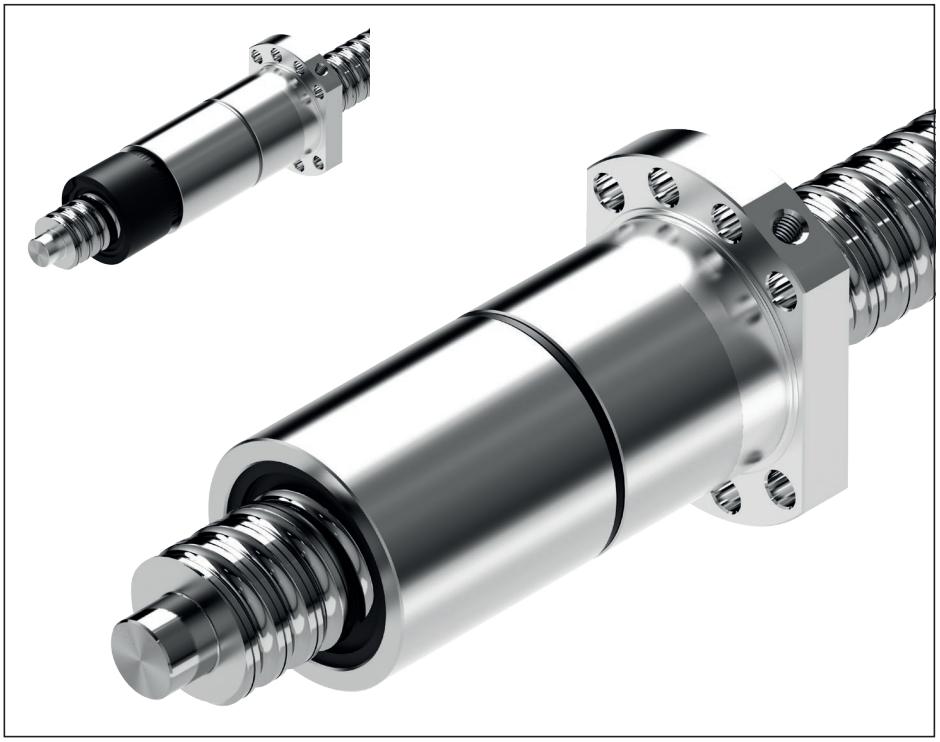
Double nut with flange FDM-E-B

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

With seals, preload class: C4, C5
Tolerance grades T3[2], T5, T7

Note: Supplied only as complete ball screw assembly.

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



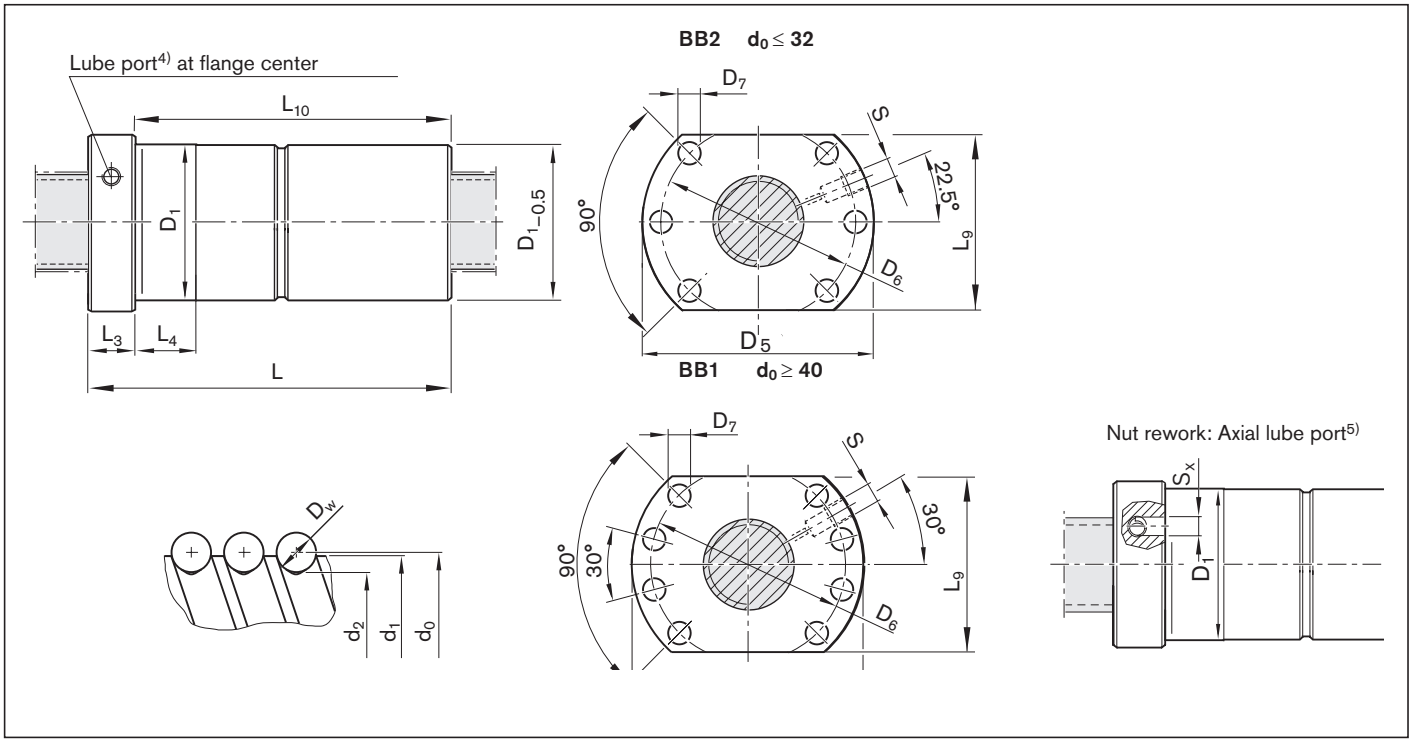
d_0 = nominal diameter
P = lead (R = right-hand)
D_W = ball diameter
i = number of ball track turns

Ordering data:

BASA	20 x 5R x 3	FDM-E-B - 4	00	1	5	T7	R	82Z120	41Z120	1250	0	1

Category	Size d_0 x P x D_w - i	Part number	Load ratings[3] dyn. C (N)	 stat. C_0 (N)	Linear speed[1] v_{max} (m/min)
C	**16 x 5R x 3 - 4**	R1502 010 53	14,800	16,100	30
C	**20 x 5R x 3 - 4**	R1502 110 73	17,200	21,500	30
C	**25 x 5R x 3 - 4**	R1502 210 73	19,100	27,200	30
C	**25 x 10R x 3 - 4**	R1502 240 73	18,800	27,000	60
C	**32 x 5R x 3.5 - 4**	R1502 310 73	25,900	40,000	23
C	**32 x 10R x 3.969 - 5**	R1502 340 74	38,000	58,300	47
C	**40 x 5R x 3.5 - 5**	R1502 410 74	34,900	64,100	19
C	**40 x 10R x 6 - 4**	R1502 440 73	60,000	86,400	38
C	**40 x 10R x 6 - 6**	R1502 440 74	86,500	132,200	38
C	**40 x 20R x 6 - 3**	R1502 470 73	45,500	62,800	75
C	**50 x 5R x 3.5 - 5**	R1502 510 74	38,400	81,300	15
C	**50 x 10R x 6 - 4**	R1502 540 73	66,500	109,000	30
C	**50 x 10R x 6 - 6**	R1502 540 74	95,600	166,500	30
C	**50 x 20R x 6.5 - 5**	R1502 570 74	90,800	149,700	60
C	**63 x 10R x 6 - 4**	R1502 640 73	74,200	140,500	24
C	**63 x 10R x 6 - 6**	R1502 640 74	106,600	214,300	24
C	**63 x 20R x 6.5 - 5**	R1502 670 74	100,700	190,300	48
C	**80 x 10R x 6.5 - 6**	R1502 740 74	130,100	291,700	19
C	**80 x 20R x 12.7 - 6**	R1502 770 44	315,200	534,200	30

1) See “Characteristic speed $d_0 \cdot n$” on page 133 and “Critical speed n_{cr}” on page 174
2) Tolerance grade T3 for sizes shown in table page 12
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_{ac} on page 133.



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
	d_1	d_2	D_1	D_5	Hole pattern	D_6	D_7	L	L_3	L_4	L_{10}	L_{14}	S4)	S_x	m
d_0 x P x D_w - i			g6												(kg)
16 x 5R x 3 - 4	15.0	12.9	28	48	BB2	38	5.5	72	12	10	60	40.0	M6	4	0.29
20 x 5R x 3 - 4	19.0	16.9	36	58	BB2	47	6.6	82	12	10	70	44.0	M6	4	0.53
25 x 5R x 3 - 4	24.0	21.9	40	62	BB2	51	6.6	82	12	10	70	48.0	M6	4	0.57
25 x 10R x 3 - 4	24.0	21.9	40	62	BB2	51	6.6	120	12	16	108	48.0	M6	4	0.77
32 x 5R x 3.5 - 4	31.0	28.4	50	80	BB2	65	9.0	88	13	10	75	62.0	M6	4	0.96
32 x 10R x 3.969 - 5	31.0	27.9	50	80	BB2	65	9.0	146	13	16	133	62.0	M6	4	1.34
40 x 5R x 3.5 - 5	39.0	36.4	63	93	BB1	78	9.0	100	15	10	85	70.0	M8x1	5	1.68
40 x 10R x 6 - 4	38.0	33.8	63	93	BB1	78	9.0	140	15	16	125	70.0	M8x1	5	2.15
40 x 10R x 6 - 6	38.0	33.8	63	93	BB1	78	9.0	180	15	16	165	70.0	M8x1	5	2.73
40 x 20R x 6 - 3	38.0	33.8	63	93	BB1	78	9.0	175	15	25	160	70.0	M8x1	5	2.56
50 x 5R x 3.5 - 5	49.0	46.4	75	110	BB1	93	11.0	100	15	10	85	85.0	M8x1	5	2.25
50 x 10R x 6 - 4	48.0	43.8	75	110	BB1	93	11.0	140	18	16	122	85.0	M8x1	5	2.97
50 x 10R x 6 - 6	48.0	43.8	75	110	BB1	93	11.0	180	18	16	162	85.0	M8x1	5	3.73
50 x 20R x 6.5 - 5	48.0	43.3	75	110	BB1	93	11.0	255	18	25	237	85.0	M8x1	5	4.93
63 x 10R x 6 - 4	61.0	56.8	90	125	BB1	108	11.0	140	22	16	118	95.0	M8x1	5	4.00
63 x 10R x 6 - 6	61.0	56.8	90	125	BB1	108	11.0	180	22	16	158	95.0	M8x1	5	4.45
63 x 20R x 6.5 - 5	61.0	56.3	95	135	BB1	115	13.5	255	22	25	233	100.0	M8x1	5	8.21
80 x 10R x 6.5 - 6	78.0	73.3	105	145	BB1	125	13.5	190	22	16	168	110.0	M8x1	5	5.93
80 x 20R x 12.7 - 6	76.0	67.0	125	165	BB1	145	13.5	340	25	25	315	130.0	M8x1	5	19.40