

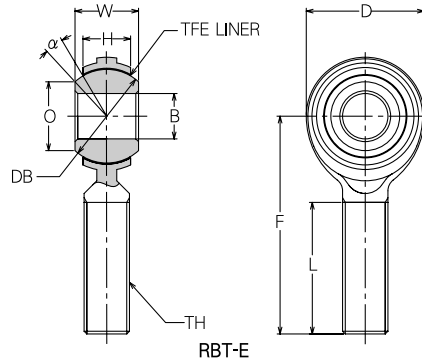
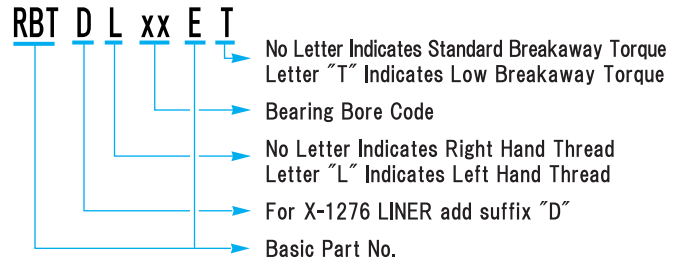
# RBT-E

**ROD END MALE**      **SELF-LUBRICATING**      **2 PIECE**

**Materials**

**BODY** 303 Stainless Steel  
**BALL** 440C Stainless Steel  
**LINER** Teflon / Fabric

**Description of Types**



Dimensions in mm

MINEBEA Part No.	$\phi B$ H7	$\phi D$ $\pm 0.50$	$\frac{W}{O}$ $-0.13$	H $\pm 0.3$	F $\pm 0.5$	TH JIS Class 2	L $\pm 0.7$	$\alpha$ (deg.)	$\phi O$ Ref.	S $\phi DB$ Ref.	Radial Static Limit Load kN	Static Ultimate Load kN	Approx. Weight g
RBT3E	3	12	6	4.50	27	M3 × 0.5	15	11	6.8	9.04	0.41	1.66	6
RBT4E	4	14	7	5.25	30	M4 × 0.7	17	12	7.6	10.32	0.60	2.45	10
RBT5E	5	16	8	6.00	33	M5 × 0.8	20		8.8	11.91	0.98	3.92	12
RBT6E	6	18	9	6.75	36	M6 × 1.0	22	10	11.1	14.29	1.44	5.78	19
RBT8E	8	22	12	9.00	42	M8 × 1.25	25	12	12.7	17.46	2.69	10.78	32
RBT10E	10	26	14	10.50	48	M10 × 1.5	29		15.2	20.64	4.16	16.67	54
RBT12E	12	30	16	12.00	54	M12 × 1.75	33	14	17.6	23.81	5.88	23.53	85
RBT14E	14	34	19	13.50	60	M14 × 2.0	36		19.2	26.99	6.61	26.47	126
RBT15E	15	36	20	14.50	63		38	13	21.5	29.37	8.09	32.36	150
RBT16E	16	38	21	15.00	66	M16 × 2.0	40	15	19.4	28.58	8.33	33.34	185
RBT18E	18	42	23	16.50	72	M18 × 1.5	44	15	21.9	31.75	11.52	46.09	258
RBT20E	20	46	25	18.00	78	M20 × 1.5	47	14	24.4	34.93	12.01	48.05	340
RBT22E	22	50	28	20.00	84	M22 × 1.5	51	15	25.8	38.10	13.48	53.93	435
RBT25E	25	56	31	22.00	94	M24 × 2.0	57		29.6	42.86	17.40	69.62	730
RBT28E	28	62	35	24.00	103	M27 × 2.0	62	17	32.3	47.63	20.83	83.35	1000
RBT30E	30	66	37	25.00	110	M30 × 2.0	66		34.8	50.80	24.76	99.04	1320

**Notes**

1. Teflon liner permanently bonded to Body I.D.
  2. Oscillation load shall be kept within the static load range, as Teflon liner load endurance is greater than body breaking load.
  3. Made to order only. (from RBT15E to RBT30E)
  4. No Load Rotational Breakaway Torque.  
 Standard All Size: 0.02 ~ 0.34N · m  
 Low Torque All Size: 0.02N · m MAX  
 (Radial Clearance 0.05mm MAX)
- Please consult Minebea for availability of bearings in this series.

Bore size	~ 3	~ 6	~ 10	~ 18	~ 30
H7 Tolerance ( $\mu m$ )	+ 10 0	+ 12 0	+ 15 0	+ 18 0	+ 21 0