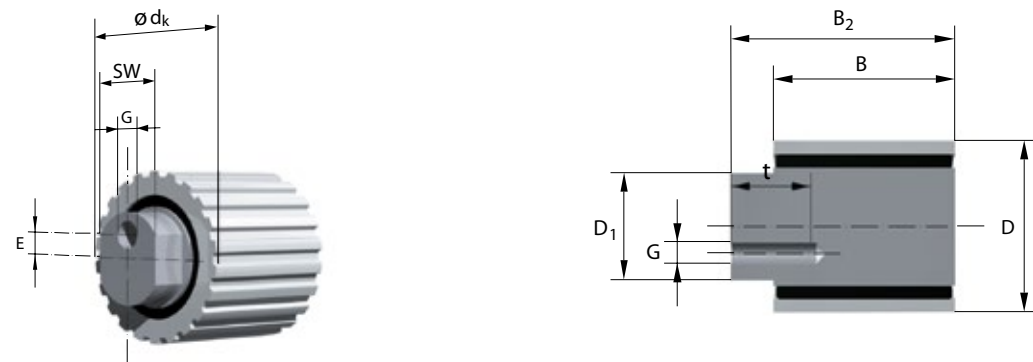


Tension roller (T-, AT profile)



Type B/E0 (toothed)

Tension roller (BAT profile)



Type B/E0 left

Tension roller (BAT profile)



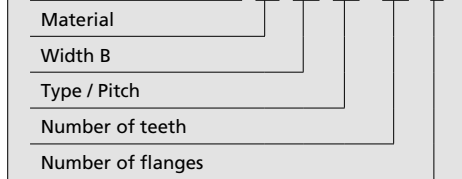
Type B/E0 right

Tension rollers B are seated twice on grooved roller bearings. The bearings are greased for life. Permanent temperatures $\leq 70^\circ\text{C}$ and under will not lead to a reduced useful life of the grease. Short-term temperatures up to 120°C are permitted.

Materials:
 Axis: steel
 Running roller: aluminium

BRECO order example

Tension roller B/E0 Al 34 T5 / 22 - 0



Tension roller B/E0 Al 40 BAT10 / 20 - righth



Tension roller Type B/E0 (stock program)

B [mm]	Type / Pitch	Number of teeth	Number of flanges	max. Belt width [mm]	d_k [mm]	B_2 [mm]	E [mm]	G	t [mm]	D_1 [mm]	SW [mm]	Loadbearing parameters		max. Rotational speeds n [min ⁻¹]
												$C_{dyn.}$ [N]	$C_{stat.}$ [N]	
34	T5	22	0	25	34,15	42	5	M6	10	20	17	7950	3920	30000
40	T10	20	0	32	61,80	50	5	M12	20	30	27	19300	13100	30000
64	T10	20	0	50	61,80	74	5	M12	20	30	27	19300	13100	15000
34	AT5	22	0	25	33,79	42	5	M6	10	20	17	7950	3920	15000
40	AT10	20	0	32	61,84	50	5	M12	20	30	27	19300	13100	15000
64	AT10	20	0	50	61,84	74	5	M12	20	30	27	19300	13100	15000
40	BAT10	20*	0	32	61,84	50	5	M12	20	30	27	19300	13100	15000
64	BAT10	20*	0	50	61,84	74	5	M12	20	30	27	19300	13100	15000
40	BATK10	24	0	32	74,57	50	5	M12	20	30	27	19300	13100	15000
64	BATK10	24	0	50	74,57	74	5	M12	20	30	27	19300	13100	15000

* Note z_{min} !

Tension rollers B are seated twice on grooved roller bearings. The bearings are greased for life. Permanent temperatures $\leq 70^\circ\text{C}$ and under will not lead to a reduced useful life of the grease. Short-term temperatures up to 120°C are permitted.

Materials:
 Axis: steel
 Running roller: aluminium
 Flanges: aluminium

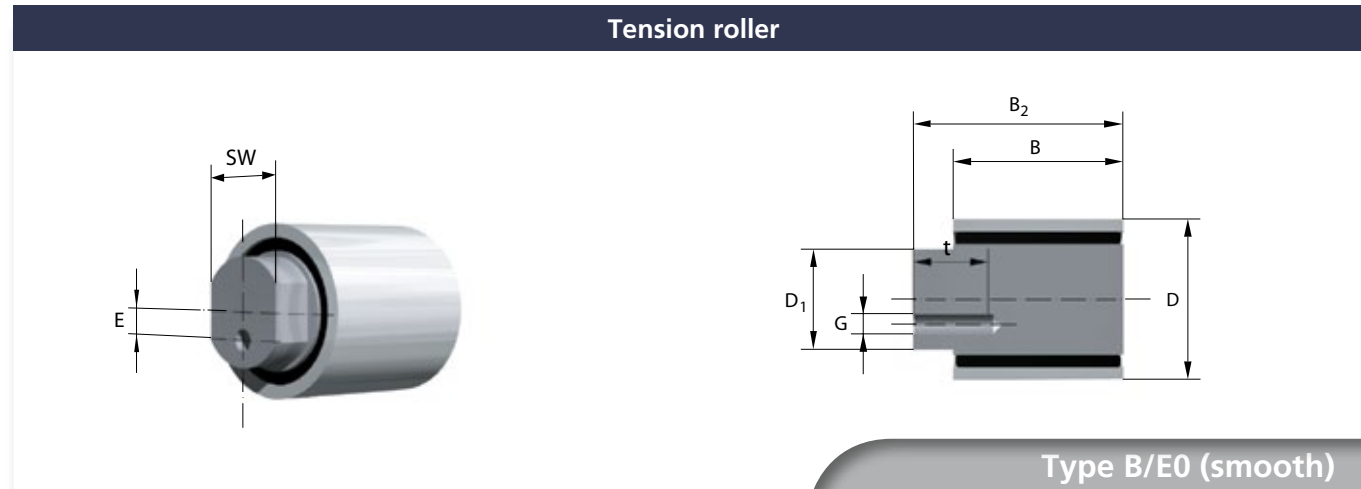
BRECO order example

Tension roller B/E2 70 / 120 - 2

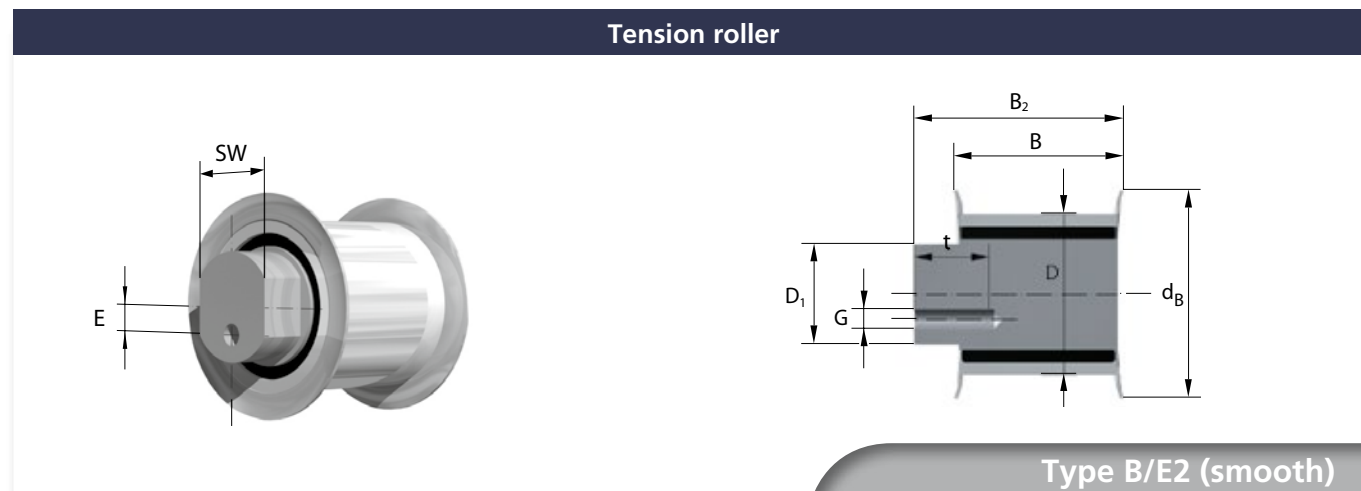
Width B

Diameter D

Number of flanges



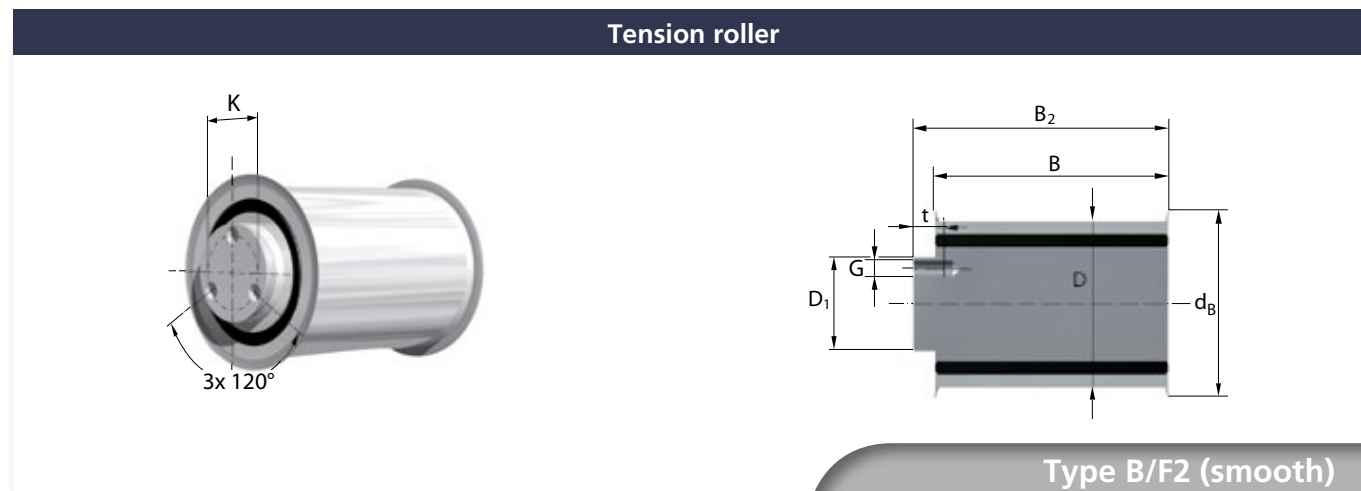
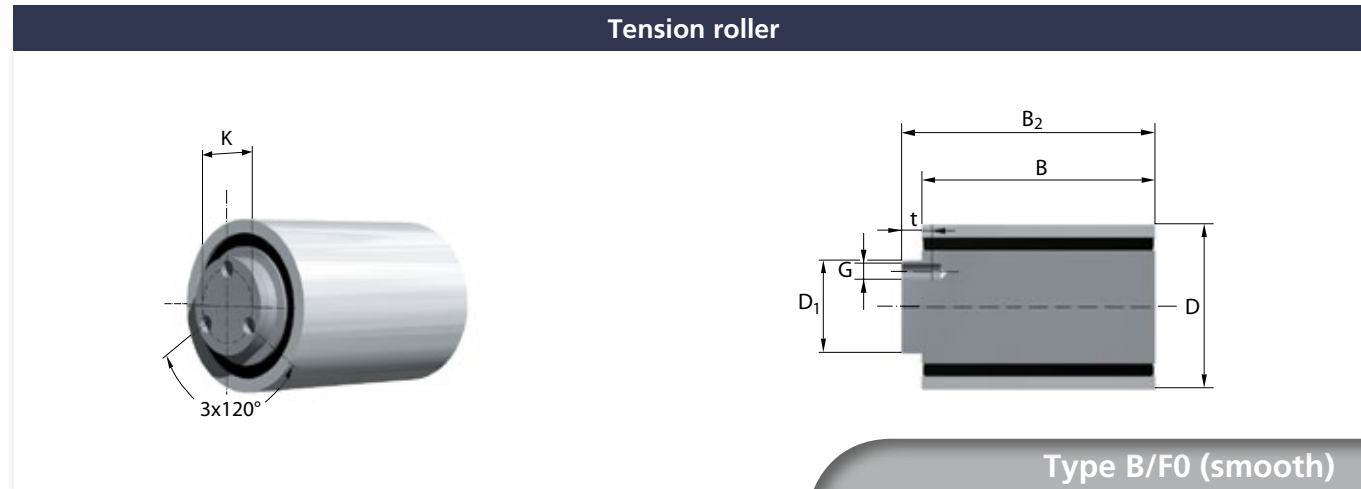
Type B/E0 (smooth)



Type B/E2 (smooth)

Tension roller Typ B/E0 (stock program)													
B [mm]	D [mm]	Number of flanges	max. Belt width [mm]	dB [mm]	B2 [mm]	E [mm]	G	t [mm]	D1 [mm]	SW [mm]	Loadbearing parameters		max. Rotational speeds n [min ⁻¹]
											C _{dyn.} [N]	C _{stat.} [N]	
34	32	0	25	-	42	5	M6	10	20	17	7950	3920	10000
40	60	0	32	-	50	5	M12	20	30	27	19300	13100	5000
64	60	0	50	-	74	5	M12	20	30	27	19300	13100	5000
40	80	0	32	-	50	5	M12	20	30	27	19300	13100	5000
64	80	0	50	-	74	5	M12	20	30	27	19300	13100	5000
90	80	0	75	-	110	5	M20	32	45	36	48000	38000	5000
40	120	0	32	-	50	5	M12	20	30	27	19300	13100	5000
64	120	0	50	-	74	5	M12	20	30	27	19300	13100	5000
70	120	0	50	-	85	5	M20	30	45	36	70500	48000	5000
90	120	0	75	-	110	5	M20	32	45	36	48000	38000	5000
40	150	0	32	-	50	5	M12	20	30	27	19300	13100	5000
64	150	0	50	-	74	5	M12	20	30	27	19300	13100	5000
90	150	0	75	-	110	5	M20	32	45	36	48000	38000	5000

Tension roller Type B/E2 (stock program)													
B [mm]	D [mm]	Number of flanges	max. Belt width [mm]	dB [mm]	B2 [mm]	E [mm]	G	t [mm]	D1 [mm]	SW [mm]	Loadbearing parameters		max. Rotational speeds n [min ⁻¹]
											C _{dyn.} [N]	C _{stat.} [N]	
34	32	2	25	41,5	42	5	M6	10	20	17	7950	3920	10000
40	60	2	32	71	50	5	M12	20	30	27	19300	13100	5000
64	60	2	50	71	74	5	M12	20	30	27	19300	13100	5000
40	80	2	32	91	50	5	M12	20	30	27	19300	13100	5000
64	80	2	50	91	74	5	M12	20	30	27	19300	13100	5000
90	80	2	75	91	110	5	M20	32	45	36	48000	38000	5000
40	120	2	32	132	50	5	M12	20	30	27	19300	13100	5000
64	120	2	50	132	74	5	M12	20	30	27	19300	13100	5000
70	120	2	50	137	85	5	M20	30	45	36	70500	48000	5000
90	120	2	75	137	110	5	M20	32	45	36	48000	38000	5000
40	150	2	32	162	50	5	M12	20	30	27	19300	13100	5000
64	150	2	50	162	74	5	M12	20	30	27	19300	13100	5000
90	150	2	75	162	110	5	M20	32	45	36	48000	38000	5000



Materials:

Axis: steel
 Running roller: aluminium
 Flanges: aluminium

BRECO order example

Tension roller B/F2 117 / 180 - 2

Width B
 Diameter D
 Number of flanges

Tension roller Type B/F0 (stock program)

B [mm]	D [mm]	Number of flanges	max. Belt width [mm]	dB [mm]	B2 [mm]	K [mm]	G	t [mm]	D1 [mm]	Loadbearing parameters		max. Rotational speeds n [min ⁻¹]
										C _{dyn.} [N]	C _{stat.} [N]	
114	60	0	100	-	124	34	M8 (3x)	15	45	19300	13100	5000
114	80	0	100	-	124	34	M8 (3x)	15	45	19300	13100	5000
70	120	0	50	-	85	65	M12 (3x)	24	85	70500	48000	5000
90	120	0	75	-	110	65	M12 (3x)	24	85	70500	48000	5000
117	120	0	100	-	131	65	M12 (3x)	24	85	70500	48000	5000
70	180	0	50	-	85	65	M12 (3x)	25	106	70500	48000	5000
90	180	0	75	-	110	80	M16 (3x)	25	106	106000	76000	5000
117	180	0	100	-	131	80	M16 (3x)	25	106	106000	76000	5000

Tension roller Type B/F2 (stock program)

B [mm]	D [mm]	Number of flanges	max. Belt width [mm]	dB [mm]	B2 [mm]	K [mm]	G	t [mm]	D1 [mm]	Loadbearing parameters		max. Rotational speeds n [min ⁻¹]
										C _{dyn.} [N]	C _{stat.} [N]	
114	60	2	100	71	124	34	M8 (3x)	15	45	19300	13100	5000
114	80	2	100	91	124	34	M8 (3x)	15	45	19300	13100	5000
70	120	2	50	137	85	65	M12 (3x)	24	85	70500	48000	5000
90	120	2	75	137	110	65	M12 (3x)	24	85	70500	48000	5000
117	120	2	100	137	131	65	M12 (3x)	24	85	70500	48000	5000
70	180	2	50	204	85	65	M12 (3x)	25	106	70500	48000	5000
90	180	2	75	204	110	80	M16 (3x)	25	106	106000	76000	5000
117	180	2	100	204	131	80	M16 (3x)	25	106	106000	76000	5000