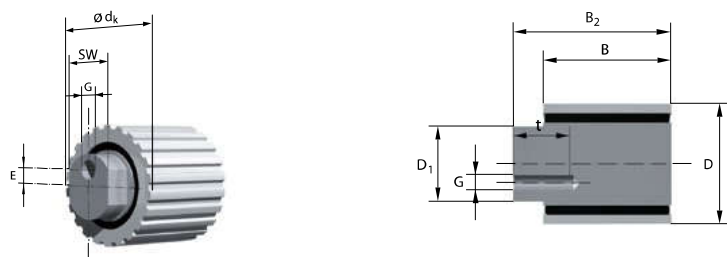


Tension roller (T-, AT profile)



Type B/E0 (toothed)

Tension roller (BAT profile)



Type B/E0 left

Tension roller (BAT profile)



Type B/E0 right

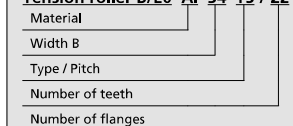
Tension rollers B are seated twice on grooved roller bearings. The bearings are greased for life. Permanent temperatures $\leq 70^\circ\text{C}$ and under will not lead to a reduced useful life of the grease. Short-term temperatures up to 120°C are permitted.

Materials:

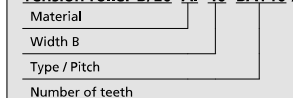
Axis: steel
Running roller: aluminium

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} !