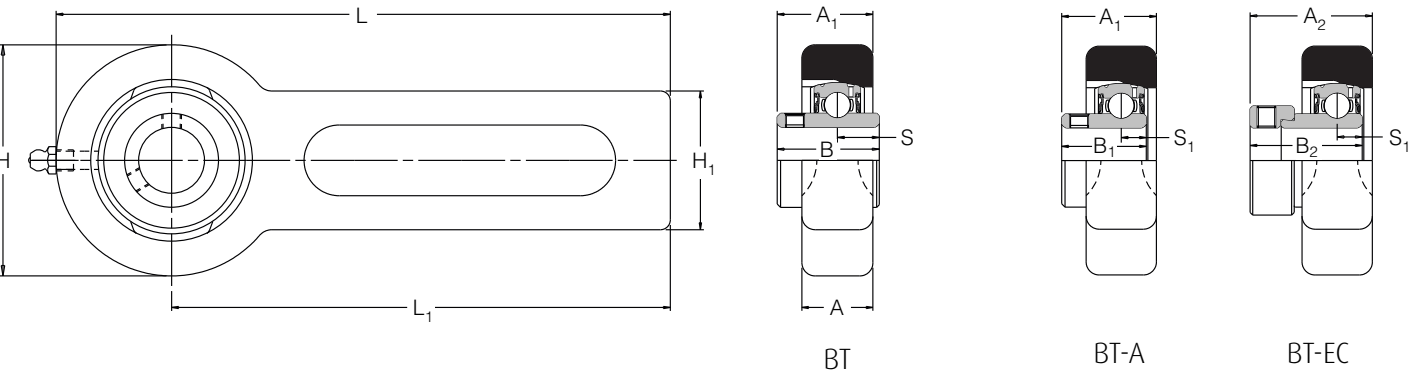


# Self-Lube<sup>®</sup> cast iron conveyor belt tensioner units

## BT Series

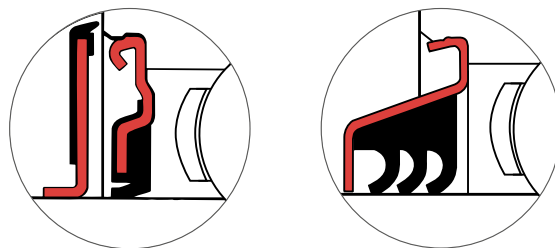


| Shaft diameter |        | RHP designation |          |            | Basic bearing insert | Casting group | Dimensions (mm) |      |       |       |
|----------------|--------|-----------------|----------|------------|----------------------|---------------|-----------------|------|-------|-------|
| mm             | inches |                 |          |            |                      |               | H               | H1   | L     | L1    |
| 25             |        | BT25            | BT25A    | BT25EC     | 1025                 | 3             | 78.0            | 42.5 | 264.0 | 225.0 |
|                | 7/8    | BT7/8           |          | BT7/8EC    |                      |               |                 |      |       |       |
|                | 15/16  | BT15/16         |          | BT15/16EC  |                      |               |                 |      |       |       |
|                | 1      | BT1             | BT1A     | BT1EC      |                      |               |                 |      |       |       |
| 30             |        | BT30L           |          |            | 1035                 | 5             | 98.0            | 42.5 | 274.0 | 225.0 |
| 35             |        | BT35            | BT35A    | BT35EC     |                      |               |                 |      |       |       |
|                | 13/16  | BT13/16L        |          |            |                      |               |                 |      |       |       |
|                | 1 1/4  | BT1 1/4         | BT1 1/4A | BT1 1/4EC  |                      |               |                 |      |       |       |
|                | 1 3/8  | BT1 3/8         |          | BT1 3/8EC  |                      |               |                 |      |       |       |
|                | 1 7/16 | BT1 7/16        |          | BT1 7/16EC |                      |               |                 |      |       |       |

Please check availability

Bearing inserts with flinger seals shown on pages 89 and 90 can be fitted into these housings. The unit reference has the suffix 'FS', e.g. BT35FS.

Triple seal bearing inserts shown on pages 86 to 88 can be fitted into these housings. The unit reference has a prefix 'T', e.g. TBT35.



| Dimensions (mm) |       |       |       |       |       |       |      | ISO Load ratings         |                          | Rec. max. speed<br>rev/min | Mass (approx.)<br>kg |
|-----------------|-------|-------|-------|-------|-------|-------|------|--------------------------|--------------------------|----------------------------|----------------------|
| A               | A1    | A2    | B     | B1    | B2    | s     | s1   | dynamic<br>Cr<br>newtons | static<br>Cor<br>newtons |                            |                      |
| 22.0            | 30.57 | 34.20 | 34.10 | 27.30 | 31.03 | 14.33 | 7.53 | 14000                    | 7880                     | 6250                       | 1.8                  |
| 22.0            | 36.13 | 40.20 | 42.90 | 34.90 | 38.93 | 17.53 | 9.53 | 25700                    | 15300                    | 4500                       | 2.3                  |
|                 |       |       |       |       |       |       |      |                          |                          |                            |                      |
|                 |       |       |       |       |       |       |      |                          |                          |                            |                      |
|                 |       |       |       |       |       |       |      |                          |                          |                            |                      |
|                 |       |       |       |       |       |       |      |                          |                          |                            |                      |
|                 |       |       |       |       |       |       |      |                          |                          |                            |                      |
|                 |       |       |       |       |       |       |      |                          |                          |                            |                      |

