

MATERIAL

Polyamide based (PA) technopolymer, black colour, matte finish.

FEATURES AND APPLICATIONS

The two connector parts are connected together by means of pins which are housed in special counter-seats. Two cavities inside the connector are provided for housing an hexagonal-head screw or an hexagonal nut. Thanks to the tapered shape of the cavity, the connector exerts a pressure on the inner walls of the tube, due to the tightening of the screw or of the nut, thus ensuring the tensile strength of the connection. The level of the tensile strength depends on the tube dimensional tolerances, the roughness of the tube inner surfaces and the tightening torque applied. The connector allows the joining of round tubes to one another or to other elements.

The assembly can be performed simply by positioning the connector, forcing it, inside the profile, with no need of screws or other fasteners.

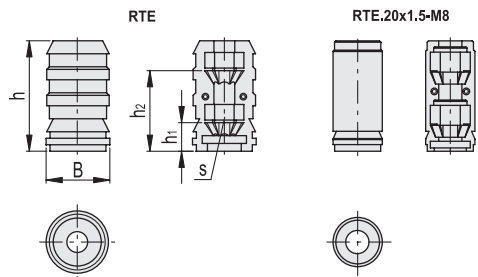
SPECIAL EXECUTIONS ON REQUEST

Connector assembled with nut or screw.

ASSEMBLY OF THE TUBE TO THE CONNECTOR

It can be made as an alternative with:

- Hexagonal-head screw DIN 933 of dimension as shown in the table.
- Hexagonal nut DIN 934 of dimension as shown in the table.
- Self-locking hexagonal nut DIN 985 of dimension as shown in the table.



The geometry of the end-cap in the part that is inserted into the tube may vary for the different dimensions.

| Conversion Table 1 mm = 0,039 inch | | | | | |
|------------------------------------|------|----|------|------|------|
| B | | | | | |
| mm | inch | mm | inch | mm | inch |
| 17 | 0.67 | 22 | 0.87 | 27 | 1.06 |
| 18 | 0.71 | 23 | 0.91 | 28 | 1.10 |
| 19 | 0.75 | 24 | 0.94 | 29 | 1.14 |
| 19.6 | 0.77 | 25 | 0.98 | 29.6 | 1.16 |
| 20 | 0.79 | 26 | 1.02 | 30 | 1.18 |
| | | 31 | 1.22 | | |

METRIC

| Code | Description | B | h | h1 | h2 | s | Tube external diameter | Tube internal diameter | ⚖️ |
|--------|----------------|------|------|----|----|----|------------------------|------------------------|----|
| 430301 | RTE.20x1.0-M8 | 18 | 42 | 10 | 30 | 13 | 20 | 18 | 6 |
| 430303 | RTE.20x1.5-M6 | 17 | 42 | 12 | 32 | 10 | 20 | 17 | 7 |
| 430305 | RTE.20x1.5-M8 | 17 | 42 | 10 | 30 | 13 | 20 | 17 | 5 |
| 430311 | RTE.22x1.0-M6 | 20 | 42 | 12 | 32 | 10 | 22 | 20 | 9 |
| 430313 | RTE.22x1.0-M8 | 20 | 42 | 10 | 30 | 13 | 22 | 20 | 7 |
| 430321 | RTE.22x1.2-M8 | 19.6 | 42 | 10 | 30 | 13 | 22 | 19.6 | 7 |
| 430323 | RTE.22x1.5-M6 | 19 | 42 | 12 | 32 | 10 | 22 | 19 | 9 |
| 430325 | RTE.22x1.5-M8 | 19 | 42 | 10 | 30 | 13 | 22 | 19 | 6 |
| 430331 | RTE.25x1.0-M6 | 23 | 42 | 12 | 32 | 10 | 25 | 23 | 12 |
| 430333 | RTE.25x1.5-M6 | 22 | 42 | 12 | 32 | 10 | 25 | 22 | 11 |
| 430335 | RTE.25x1.5-M8 | 22 | 42 | 10 | 30 | 13 | 25 | 22 | 9 |
| 430341 | RTE.28x1.5-M6 | 25 | 41 | 12 | 32 | 10 | 28 | 25 | 17 |
| 430343 | RTE.28x1.5-M8 | 25 | 42 | 10 | 30 | 13 | 28 | 25 | 15 |
| 430345 | RTE.28x2.0-M8 | 24 | 42 | 10 | 30 | 13 | 28 | 24 | 14 |
| 430351 | RTE.30x1.0-M8 | 28 | 42 | 10 | 30 | 13 | 30 | 28 | 17 |
| 430353 | RTE.30x1.5-M8 | 27 | 42 | 10 | 30 | 13 | 30 | 27 | 17 |
| 430355 | RTE.30x1.5-M10 | 27 | 42 | 10 | 30 | 17 | 30 | 27 | 14 |
| 430357 | RTE.30x2.0-M8 | 26 | 42 | 10 | 30 | 13 | 30 | 26 | 15 |
| 430359 | RTE.30x2.0-M10 | 26 | 42 | 10 | 30 | 17 | 30 | 26 | 13 |
| 430361 | RTE.32x1.2-M6 | 29.6 | 42 | 12 | 32 | 10 | 32 | 29.6 | 23 |
| 430363 | RTE.32x1.5-M10 | 29 | 42 | 10 | 30 | 17 | 32 | 29 | 18 |
| 430365 | RTE.32x2.0-M6 | 28 | 41.5 | 12 | 32 | 10 | 32 | 28 | 22 |
| 430367 | RTE.32x2.0-M10 | 28 | 42 | 10 | 30 | 17 | 32 | 28 | 16 |
| 430369 | RTE.32x2.5-M10 | 27 | 42 | 10 | 30 | 17 | 32 | 27 | 15 |
| 430371 | RTE.35x1.5-M6 | 32 | 40 | 12 | 32 | 10 | 35 | 32 | 27 |
| 430373 | RTE.35x1.5-M10 | 32 | 42 | 10 | 29 | 17 | 35 | 32 | 22 |
| 430375 | RTE.35x2.0-M10 | 31 | 42 | 10 | 30 | 17 | 35 | 31 | 20 |
| 430377 | RTE.35x2.5-M6 | 30 | 42 | 12 | 32 | 10 | 35 | 30 | 20 |
| 430381 | RTE.40x1.5-M8 | 37 | 42 | 10 | 30 | 13 | 40 | 37 | 33 |
| 430383 | RTE.40x1.5-M10 | 37 | 42 | 10 | 30 | 17 | 40 | 37 | 31 |
| 430385 | RTE.40x2.0-M10 | 36 | 42 | 10 | 30 | 17 | 40 | 36 | 28 |
| 430387 | RTE.40x2.5-M6 | 35 | 43 | 12 | 32 | 10 | 40 | 35 | 21 |



Leveling elements and supports