

Round tube expander connectors

Technopolymer

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.



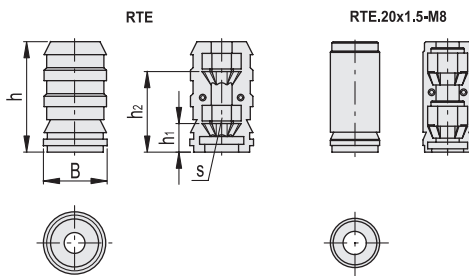
ASSEMBLY OF THE TUBE TO THE CONNECTOR

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.

SPECIAL EXECUTIONS ON REQUEST

Connector assembled with nut or screw.



Code	Description	B	h	h ₁	h ₂	s	External tube diameter	Internal tube diameter	Thickness	
430301	RTE.20x1.0-M8	18	42	10	30	13	20	18	1	6
430303	RTE.20x1.5-M6	17	42	12	32	10	20	17	1.5	8
430305	RTE.20x1.5-M8	17	42	10	30	13	20	17	1.5	5
430311	RTE.22x1.0-M6	20	42	12	32	10	22	20	1	9
430313	RTE.22x1.0-M8	20	42	10	30	13	22	20	1	7
430321	RTE.22x1.2-M8	19,6	42	10	30	13	22	19,6	1,2	7
430323	RTE.22x1.5-M6	19	42	12	32	10	22	19	1,5	9
430325	RTE.22x1.5-M8	19	42	10	30	13	22	19	1,5	6
430331	RTE.25x1.0-M6	23	42	12	32	10	25	23	1	12
430333	RTE.25x1.5-M6	22	42	12	32	10	25	22	1,5	11
430335	RTE.25x1.5-M8	22	42	10	30	13	25	22	1,5	11
430341	RTE.28x1.5-M6	25	41	12	32	10	28	25	1,5	17
430343	RTE.28x1.5-M8	25	42	10	30	13	28	25	1,5	15
430345	RTE.28x2.0-M8	24	42	10	30	13	28	24	2	14
430351	RTE.30x1.0-M8	28	42	10	30	13	30	28	1	17
430353	RTE.30x1.5-M8	27	42	10	30	13	30	27	1,5	17
430355	RTE.30x1.5-M10	27	42	10	30	17	30	27	1,5	8
430357	RTE.30x2.0-M8	26	42	10	30	13	30	26	2	15
430359	RTE.30x2.0-M10	26	42	10	30	17	30	26	2	13
430361	RTE.32x1.2-M6	29,6	42	12	32	10	32	29,6	1,2	23
430363	RTE.32x1.5-M10	29	42	10	30	17	32	29	1,5	18
430365	RTE.32x2.0-M6	28	41,5	12	32	10	32	28	2	22
430367	RTE.32x2.0-M10	28	42	10	30	17	32	28	2	16
430369	RTE.32x2.5-M10	27	42	10	30	17	32	27	2,5	15
430371	RTE.35x1.5-M6	32	40	12	32	10	35	32	1,5	27
430373	RTE.35x1.5-M10	32	42	10	29	17	35	32	1,5	22
430375	RTE.35x2.0-M10	31	42	10	30	17	35	31	2	10
430377	RTE.35x2.5-M6	30	42	12	32	10	35	30	2,5	20
430381	RTE.40x1.5-M8	37	42	10	30	13	40	37	1,5	33
430383	RTE.40x1.5-M10	37	42	10	30	17	40	37	1,5	31
430385	RTE.40x2.0-M10	36	42	10	30	17	40	36	2	28
430387	RTE.40x2.5-M6	35	43	12	32	10	40	35	2,5	21

The drawing shows the assembled connector. The two technopolymer pieces composing it may have different shapes depending on the dimensions and / or executions.