

Square tube expander end-caps

Technopolymer

END-CAP

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

STANDARD EXECUTION

DIN 934 zinc-plated steel nuts (included in the supply).

FEATURES AND APPLICATIONS

The two end-cap parts have some reference pins which are housed in special counter-seats. Two cavities inside the end-cap are provided for housing two hexagonal nuts DIN 934.

Thanks to the tapered shape of the cavity, the end-cap exerts a pressure on the inner walls of the tube, due to the tightening of the nuts, thus ensuring the tensile strength of the connection.

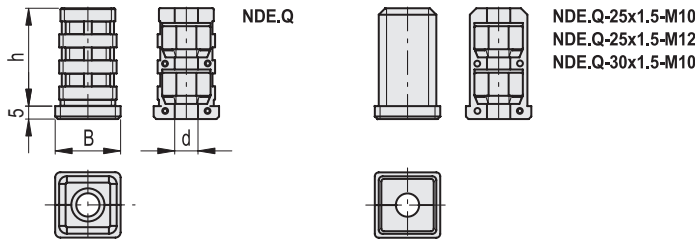
The level of the tensile strength depends on the tube dimensional tolerances, the condition of the tube inner surfaces and the tightening torque applied.

The end-cap enables the joining of square tubes with other elements or the installation of wheels or levelling elements with locking nut. The installation of a simple levelling element does not enable the expansion of the end-cap: for this kind of applications the use of NDL.Q (see page 1321) end-caps is a more proper alternative.

The assembly can be performed simply by positioning the end-cap inside the tube, with no need of screws or other fasteners.

SPECIAL EXECUTIONS ON REQUEST

End-cap without nuts or assembled with only one nut DIN 934.



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

Code	Description	B	d	h	External tube diameter	Internal tube diameter	Thickness	Max. static load* [N]	
430751	NDE.Q-20x1.5-M8	20	M8	37	20	17	1.5	3000	17
430761	NDE.Q-25x1.5-M8	25	M8	36	25	22	1.5	3000	23
430763	NDE.Q-25x1.5-M10	25	M10	37	25	22	1.5	3000	33
430765	NDE.Q-25x1.5-M12	25	M12	37	25	22	1.5	3000	41
430771	NDE.Q-30x1.5-M8	30	M8	37	30	27	1.5	3000	32
430773	NDE.Q-30x1.5-M10	30	M10	37	30	27	1.5	3000	44
430775	NDE.Q-30x2-M8	30	M8	37	30	26	2	3000	31
430777	NDE.Q-30x2-M10	30	M10	37	30	26	2	3000	42
430781	NDE.Q-35x1.6-M10	35	M10	37	35	31.8	1.6	3000	49
430783	NDE.Q-35x2-M10	35	M10	37	35	31	2	3000	49
430791	NDE.Q-40x1.5-M10	40	M10	37	40	37	1.5	3000	58
430793	NDE.Q-40x2-M10	40	M10	37	40	36	2	3000	59
430795	NDE.Q-40x2-M12	40	M12	37	40	36	2	3000	65
430797	NDE.Q-40x3-M10	40	M10	37	40	34	3	3000	55
430801	NDE.Q-50x1.5-M10	50	M10	37	50	47	1.5	3000	86
430803	NDE.Q-50x1.5-M12	50	M12	37	50	47	1.5	3000	93
430805	NDE.Q-50x2-M12	50	M12	37	50	46	2	3000	90
430811	NDE.Q-60x2-M10	60	M10	33	60	56	2	3000	115
430813	NDE.Q-60x2.5-M10	60	M10	36	60	55	2.5	3000	107

* The max limit static load is the value above which the load applied to the element may cause some plastic material breakage, under particular conditions of use. Obviously, a factor that takes into consideration the importance and the safety level of the specific application must be applied to this value. The values shown in the table refer to the use of the end-cap in combination with a steel tube. The use of an aluminum tube may cause a decrease in the max limit static load equal to 25% due to possible deformations of the tube section under load.

