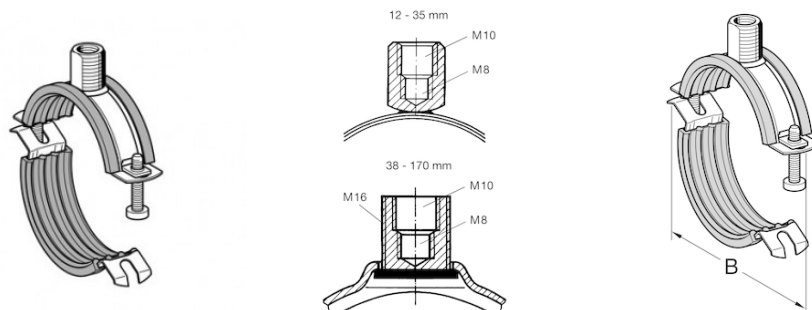


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RATIO S - Group 1231



Application

Suitable for installing pipe systems required for all M&E services. For connection options without adapter, see drawing. With Adapter: M12, M16, R 1/2", R 3/4", R 1".
Designed for soundproof ceiling, floor and wall mounting.

With stuck interlocking lining, which prevents from accidental loss of lining and allows easy turning and slipping of the pipe during assembly.

Scope of delivery

Two-piece pipe clamp pre-assembled on one side.
With patented quick-set clip on its open side. With 3G triple thread nut. Sizes 1/4" - 1" also available with 2G nut as per drawing.

Technical Data

Material:

- Metal components: Cold-worked steel, electro-galvanised;
- Sound absorption lining: SBR/EPDM, black (see section "[RUBBER PROFILE SAL SBR/EPDM](#)" for technical data).

Size range [mm]	NB	Max. perm. working load [kN]	Tightening torque [Nm]	Material [mm]	B [mm]
12 - 20	1/4" - 3/8"	0,8	2	20 x 1.5	55
21 - 27	1/2" - 3/4"	0,8	2	20 x 1.5	61
28 - 35	1"	0,8	2	20 x 1.5	71
38 - 45	1 1/4"	1,3	2	20 x 1.5	82

48 - 56	1 1/2"	1,3	2	20 x 1.5	93
57 - 63	2"	1,3	2	20 x 1.5	104
64 - 71		1,3	2	20 x 1.5	112
73 - 80	2 1/2"	1,3	2	20 x 1.5	121
83 - 90	3"	1,3	2	25 x 2.0	141
108 - 114	4"	2,2	3	30 x 2.0	170
116 - 125		2,2	3	30 x 2.0	179
127 - 135		2,2	3	30 x 2.0	190
140 - 146	5"	2,2	3	30 x 2.0	205
159 - 170	6"	2,2	3	30 x 2.0	230

The max. admissible load has been determinated by using specific statistical methods relating to break load and is designed to restrict deflection to 1.5 mm or 2 % of the maximum applicable clamping diameter.

Perm. load $F_{Zperm,fi}$ in case of fire

Ø [mm]	REI 30 [N]	REI 60 [N]	REI 90 [N]	REI 120 [N]	Deform. σ max [mm]	Thread $\geq$
13 - 35	270	80	20	-	42	M10
38 - 80	450	140	70	40	41	M10
83 - 90	460	170	80	30	45	M10
108 - 170	570	310	200	150	62	M10

Approvals

This product has been awarded the RAL quality marks "pipe supports" and "fire-tested pipe supports" and is subject to continuous external monitoring according to RAL GZ-655.



Tipo	Kg	Pezzi per confezione	Codice Articolo
12 - 20 mm 1/4"-3/8"	0.06	100	154804
21 - 27 mm 1/2"-3/4"	0.07	100	154813
28 - 35 mm 1"	0.07	100	154822
38 - 45 mm 1 1/4"	0.09	50	154831
48 - 56 mm 1 1/2"	0.09	50	154840
57 - 63 mm 2"	0.11	50	154859

Tipo	Kg	Pezzi per confezione	Codice Articolo
64 - 71 mm	0.12	25	154868
73 - 80 mm 2 ½"	0.13	25	154877
83 - 90 mm 3"	0.21	25	154886
108 - 114 mm 4"	0.31	25	154895
116 - 125 mm	0.36	25	154901
127 - 135 mm	0.38	25	154910
140 - 146 mm 5"	0.4	25	154929
159 - 170 mm 6"	0.43	25	154938