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Bolt Clamps



ENGINEERING YOUR SUCCESS.

o – Bolt Clamps

Material

	Steel (MIRA)	Stainless Steel (MIRAR)
Clamp	W1, galvanised steel band	W4, stainless steel AISI 304 - 1.4301
Bushing	Zinc-plated Q235LL	W4, Stainless steel AISI 304 - 1.4301
Screw	8.8	Stainless steel A2 - galvanized
Bridge	W1, galvanised steel plate	Stainless steel AISI 304 -1.4301
Working pressure	≤DN38 = 40 bar (580 psi) >DN38 = 25 bar (362 psi)	6 bar / 87 psi

Features

- Sealing and retaining suction and pressure hoses with steel or plastic reinforcement and high shore hardness.
- Bolt clamps are designed in compliance with DIN 3017, and are used to assemble various kinds of industrial hoses.
- In case of smaller hose dimensions a single band clamp is used, for larger hose diameters the use of two bold clamps is recommended.
- To prevent leakage, always place clamps in a quarter turn opposed to each other.

Threads

Bolt: Metric

Torque moment – Nm for steel band clamps

Hose O.D. min - max	Max. torque [Nm] steel clamp	Max. torque [Nm] stainless steel clamp
17 - 19	4.5	25.0
20 - 22	4.5	25.0
23 - 25	4.5	25.0
26 - 28	4.5	25.0
29 - 31	8.0	25.0
32 - 35	8.0	25.0
36 - 39	8.0	25.0
40 - 43	8.0	50.0
44 - 47	8.0	50.0
48 - 51	8.0	50.0
52 - 55	8.0	50.0
56 - 59	8.0	50.0
60 - 63	25.0	50.0
64 - 67	25.0	50.0
68 - 73	25.0	50.0
74 - 79	25.0	50.0
80 - 85	25.0	50.0

Hose O.D. min - max	Max. torque [Nm] steel clamp	Max. torque [Nm] stainless steel clamp
86 - 91	25.0	50.0
92 - 97	25.0	50.0
98 - 103	25.0	50.0
104 - 112	25.0	50.0
113 - 121	25.0	50.0
122 - 130	25.0	50.0
131 - 139	50.0	50.0
140 - 148	50.0	50.0
149 - 162	50.0	50.0
163 - 174	50.0	50.0
174 - 187	50.0	50.0
188 - 200	50.0	50.0
210 - 213	50.0	50.0
214 - 226	50.0	50.0
227 - 239	50.0	50.0
240 - 252	50.0	50.0

Bolt Clamps



Steel

Part-No.	for Hose I.D. mm	Band width mm +/- 1	Band thickness mm	Screw mm	Torque moment Nm
MIRA017	17 - 19	18,0	0,6	M5	4,5
MIRA020	20 - 22	18,0	0,6	M5	4,5
MIRA023	23 - 25	18,0	0,6	M5	4,5
MIRA026	26 - 28	18,0	0,6	M5	4,5
MIRA029	29 - 31	20,0	0,6	M6	8,0
MIRA032	32 - 35	20,0	0,8	M6	8,0
MIRA036	36 - 39	20,0	0,8	M6	8,0
MIRA040	40 - 43	20,0	0,8	M6	8,0
MIRA044	44 - 47	22,0	1,2	M6	8,0
MIRA048	48 - 51	22,0	1,2	M6	8,0
MIRA052	52 - 55	22,0	1,2	M6	8,0
MIRA056	56 - 59	22,0	1,2	M6	8,0
MIRA060	60 - 63	22,0	1,2	M8	25,0
MIRA064	64 - 67	22,0	1,2	M8	25,0
MIRA068	68 - 73	24,0	1,5	M8	25,0
MIRA074	74 - 79	24,0	1,5	M8	25,0
MIRA080	80 - 85	24,0	1,5	M8	25,0
MIRA086	86 - 91	24,0	1,5	M8	25,0
MIRA092	92 - 97	24,0	1,5	M8	25,0
MIRA098	98 - 103	24,0	1,5	M8	25,0
MIRA104	104 - 112	24,0	1,5	M8	25,0
MIRA113	113 - 121	24,0	1,5	M8	25,0
MIRA122	122 - 130	24,0	1,5	M8	25,0
MIRA131	131 - 139	26,0	1,7	M10	50,0
MIRA140	140 - 148	26,0	1,7	M10	50,0
MIRA149	149 - 161	26,0	1,7	M10	50,0
MIRA162	162 - 174	26,0	1,7	M10	50,0
MIRA175	174 - 187	26,0	1,7	M10	50,0
MIRA188	188 - 200	26,0	1,7	M10	50,0
MIRA201	201 - 213	26,0	1,7	M10	50,0
MIRA214	214 - 226	26,0	1,7	M10	50,0
MIRA227	227 - 239	26,0	1,7	M10	50,0
MIRA240	240 - 252	26,0	1,7	M10	50,0

Bolt Clamps



Stainless Steel (AISI 304 - 1.4301)

Part-No.	for Hose I.D. mm	Band width mm +/- 1	Band thickness mm	Screw mm	Torque moment Nm
MIRAR017	17 - 19	18,0	0,6	M5	25,0
MIRAR020	20 - 22	18,0	0,6	M5	25,0
MIRAR023	23 - 25	18,0	0,6	M5	25,0
MIRAR026	26 - 28	18,0	0,6	M5	25,0
MIRAR029	29 - 31	20,0	0,6	M6	25,0
MIRAR032	32 - 35	20,0	0,6	M6	25,0
MIRAR036	36 - 39	20,0	0,6	M6	25,0
MIRAR040	40 - 43	20,0	0,6	M6	50,0
MIRAR044	44 - 47	22,0	0,8	M6	50,0
MIRAR048	48 - 51	22,0	0,8	M6	50,0
MIRAR052	52 - 55	22,0	0,8	M6	50,0
MIRAR056	56 - 59	22,0	0,8	M6	50,0
MIRAR060	60 - 63	22,0	0,8	M8	50,0
MIRAR064	64 - 67	22,0	0,8	M8	50,0
MIRAR068	68 - 73	24,0	0,8	M8	50,0
MIRAR074	74 - 79	24,0	0,8	M8	50,0
MIRAR080	80 - 85	24,0	0,8	M8	50,0
MIRAR086	86 - 91	24,0	0,8	M8	50,0
MIRAR092	92 - 97	24,0	0,8	M8	50,0
MIRAR098	98 - 103	24,0	0,8	M8	50,0
MIRAR104	104 - 112	24,0	0,8	M8	50,0
MIRAR113	113 - 121	24,0	0,8	M8	50,0
MIRAR122	122 - 130	24,0	0,8	M8	50,0
MIRAR131	131 - 139	26,0	1,0	M10	50,0
MIRAR140	140 - 148	26,0	1,0	M10	50,0
MIRAR149	149 - 161	26,0	1,0	M10	50,0
MIRAR162	162 - 174	26,0	1,0	M10	50,0
MIRAR175	175 - 187	26,0	1,0	M10	50,0
MIRAR188	188 - 200	26,0	1,0	M10	50,0
MIRAR201	201 - 213	26,0	1,0	M10	50,0
MIRAR214	214 - 226	26,0	1,0	M10	50,0
MIRAR227	227 - 239	26,0	1,0	M10	50,0
MIRAR240	240 - 252	26,0	1,0	M10	50,0