


HIGH PRESSURE - quick release couplings

GROMELLE couplings

	size [inch]	material	code	
			socket blank plug	plug blank cap
	1/8		GR-HD-0510100	GR-HD-0510200
	1/4		GR-HD-0511100	GR-HD-0511200
	3/8		GR-HD-0512100	GR-HD-0512200
	1/2		GR-HD-0513100	GR-HD-0513200
	3/4		GR-HD-0514100	GR-HD-0514200
	1		GR-HD-0515100	GR-HD-0515200
	1.1/4		GR-HD-0516100	GR-HD-0516200
	1.1/2		GR-HD-0517100	GR-HD-0517200
2	GR-HD-0519100	GR-HD-0519200		

Working parameters

galvanized steel

size [inch]	working pressure [bar] (fluid and gas- group 2)*	working pressure [bar] (fluid and gas- group 1)*	flow rate at $\Delta p = 3$ bar [l/min]	leakage [cm ³]
1/8	1000	1000	10.7	0.4
1/4	700	700	21.5	1
3/8	600	600	30	2
1/2	500	500	49	2.5
3/4	400	400	95	5.5
1	300	300	153	9
1.1/4	200	200	239	23
1.1/2	150	38	365	36
2	100	28	653	70

brass

size [inch]	working pressure [bar] (fluid and gas- group 2)*	working pressure [bar] (fluid and gas- group 1)*	flow rate at $\Delta p = 3$ bar [l/min]	leakage [cm ³]
1/8	300	300	10.7	0.4
1/4	230	230	21.5	1
3/8	175	175	30	2
1/2	150	150	49	2.5
3/4	125	125	95	5.5
1	100	100	153	9
1.1/4	70	70	239	23
1.1/2	50	50	365	36
2	40	28	653	70

AISI 316L steel

size [inch]	working pressure [bar] (fluid and gas- group 2)*	working pressure [bar] (fluid and gas- group 1)*	flow rate at $\Delta p = 3$ bar [l/min]	leakage [cm ³]
1/8	300	300	10.7	0.4
1/4	230	230	21.5	1
3/8	175	175	30	2
1/2	150	150	49	2.5
3/4	125	125	95	5.5
1	100	100	153	9
1.1/4	100	100	239	23
1.1/2	75	38	365	36
2	40	28	653	70

* - pressure is defined according to Pressure Equipment Directive 97/23 WE (group 1 - hazardous media, group 2 - nonhazardous media).