



AVK REPICO® - GRIP TYPE COUPLING (G)

745/01-112

Tensile / axial restraint, for all metal pipes, stainless steel 316L, NBR

AVK's Repico® product program consists of stainless steel pipe couplings and repair couplings for pipe diameters from DN15-2000. The Repico® range offers a quick and simple connection solution for all pipes with possibility of angular deflection and easy handling due to the compact and light weight design.

Product description:

Repico® G - Grip type coupling (tensile / axial restraint) to connect all metal pipes. For water and wastewater -25° C up to +80° C

Test/Approvals:

- BV
- DNV
- DVGW
- RINA

Material approvals:

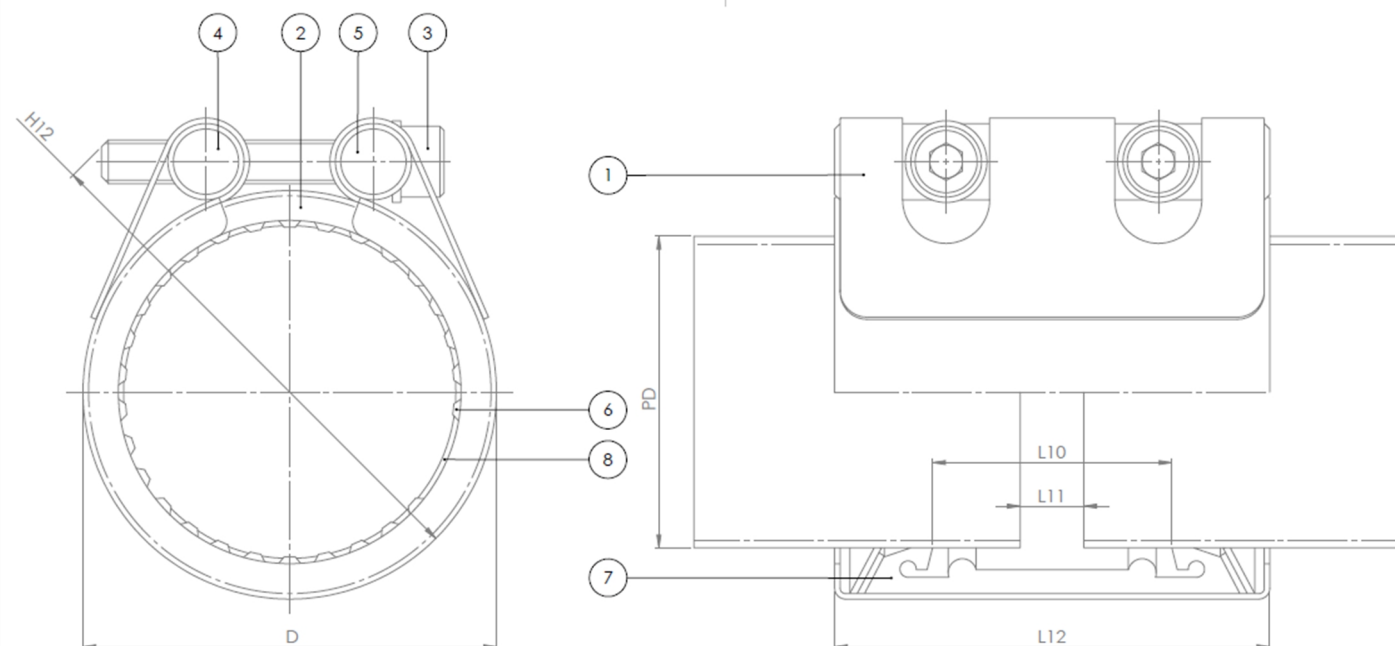
- EN 681-1
- EN 682 (DVGW)
- XP P 41-250 (ACS)
- AS/NZS 4020

Features:

- Grip type coupling provides a tensile / axial restraint connection for all metal pipes, allows pipe section replacement, suitable for high pressure, and is available in DN 15-400
- Couplings < DN 50 with spot welding and from DN 50 seam welding
- Easy installation by use of a torque wrench, limited space required for installation due to compact design
- Pressure range up to 42,7 bar (620 PSI) depending on size
- Progressive sealing and anchoring
- Max. angular deflection 5° for DN 15-50, 4° for DN 65-175 and 2° for DN 200 and larger
- Main components of stainless steel 316L
- Light weight, appr. 30% in comparison with flanged connections
- Dampens water hammer, vibrations and structure-borne noise
- On request also available for high pressures or with FKM or Silicone sealing; please contact our sales department



Expect... **AVK**


Component list:

1. Body	Stainless steel AISI 316L	5. Washer	Stainless steel AISI 316L
2. Side plate	Stainless steel AISI 316L	6. Grip segment	Stainless steel AISI 301H
3. Bolt	Stainless steel A4, PTFE coated	7. Sealing	NBR rubber
4. Nut	Stainless steel AISI 316L	8. Support ring	Stainless steel AISI 301H

Components may be substituted with equivalent or higher class materials without prior notification.

Reference nos. and dimensions:

AVK ref. no.	DN mm	Tolerance mm	Pipe diam. mm	Work press. bar	Work press. Marine, bar 1)	D mm	H12 mm	L10 mm	L11 mm	L12 mm	Bolt Size (Metric)	Theoretical weight/kg
745-01-0020-11201 ⁽¹⁾	15	19,5 - 20,5	20,0	42,7	16	29	48	28	8	60	2XM6X45	0.2
745-01-0021-11201	15	21,2 - 22,2	21,3	42,7	16	31	49	28	8	60	2XM6X45	0.2
745-01-0025-11201	20	24,5 - 25,5	25,0	42,7	16	38	57	28	8	60	2XM8X45	0.3
745-01-0027-11201	20	26,7 - 27,7	26,7	42,7	16	40	58	28	8	60	2XM8X45	0.3
745-01-0028-11201	25	27,5 - 29,0	28,2	42,7	16	42	62	28	8	60	2XM8X50	0.4
745-01-0030-11201	25	29,5 - 30,5	30,0	42,7	16	43	64	28	8	60	2XM8X50	0.4
745-01-0032-11201	25	31,5 - 32,5	32,0	42,7	16	45	66	28	8	60	2XM8X50	0.4
745-01-0034-11201	25	33,0 - 34,6	33,4	42,7	16	47	68	28	8	60	2XM8X50	0.4
745-01-0038-11201	32	37,5 - 38,5	38,0	42,7	16	51	75	28	8	60	2XM8X55	0.4
745-01-0040-11201	32	39,5 - 41,5	40,0	42,7	16	53	77	28	8	60	2XM8X55	0.4
745-01-0042-11201	32	41,9 - 43,0	42,2	42,7	16	56	79	28	8	60	2XM8X55	0.4
745-01-0044-11201	32	44,0 - 45,0	44,5	42,7	16	58	81	28	8	60	2XM8X55	0.4
745-01-0048-11201	40	47,8 - 49,0	48,3	42,7	16	62	85	28	8	60	2XM8X55	0.4
745-01-0050-11201	50	49,5 - 51,5	50,8	42,7	16	64	88	28	8	60	2XM8X55	0.4
745-01-0054-11201	50	53,4 - 54,6	54,0	42,7	16	70	92	44	8	80	2XM8X55	0.7
745-01-0057-11201	50	56,4 - 57,6	57,0	42,7	16	73	95	44	8	80	2XM8X55	0.7
745-01-0060-11201	50	59,0 - 61,5	60,3	42,7	16	76	98	44	8	80	2XM8X55	0.7
745-01-0063-11201	50	62,4 - 63,6	63,0	42,7	16	79	101	44	8	80	2XM8X55	0.7
745-01-0066-11201	65	65,2 - 67,3	66,7	37,3	14	83	105	44	8	80	2XM8X55	0.7
745-01-0069-11201	65	68,0 - 70,1	69,0	37,3	14	85	107	44	8	80	2XM8X55	0.7
745-01-0073-11201	65	71,5 - 74,1	73,0	37,3	14	89	111	44	8	80	2XM8X55	0.8
745-01-0076-11201	65	75,0 - 77,2	76,1	37,3	14	92	114	44	8	80	2XM8X55	0.8

The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product range.

AVK REPICO® - GRIP TYPE COUPLING (G)**745/01-112****Tensile / axial restraint, for all metal pipes, stainless steel 316L, NBR****Reference nos. and dimensions:**

AVK ref. no.	DN mm	Tolerance mm	Pipe diam. mm	Work press. bar	Work press. Marine, bar 1)	D mm	H12 mm	L10 mm	L11 mm	L12 mm	Bolt Size (Metric)	Theoretical weight/kg
745-01-0079-11201	80	78,8 - 80,8	79,9	37.3	14	100	128	59	15	110	2XM12X70	1.4
745-01-0084-11201	80	83,0 - 84,9	84,0	37.3	14	104	132	59	15	110	2XM12X70	1.4
745-01-0089-11201	80	87,8 - 91,0	88,9	37.3	14	109	137	59	15	110	2XM12X70	1.5
745-01-0101-11201	100	100,4 - 102,0	101,6	37.3	14	122	150	59	15	110	2XM12X70	1.5
745-01-0104-11201	100	103,0 - 104,0	104,0	37.3	14	124	152	59	15	110	2XM12X70	1.6
745-01-0106-11201	100	105,0 - 107,0	106,3	37.3	14	126	154	59	15	110	2XM12X70	1.6
745-01-0108-11201	100	106,5 - 108,0	108,0	37.3	14	128	156	59	15	110	2XM12X70	1.6
745-01-0114-11201	100	113,2 - 115,0	114,3	37.3	14	134	162	59	15	110	2XM12X70	1.7
745-01-0127-11201	125	125,6 - 128,0	127,0	37.3	14	149	181	59	15	111	2XM12X80	2.1
745-01-0129-11201	115	127,5 - 130,0	129,0	37.3	14	151	183	59	15	111	2XM12X80	2.1
745-01-0133-11201	125	131,6 - 134,0	131,7	37.3	14	153	185	59	15	111	2XM12X80	2.1
745-01-0139-11201	125	137,7 - 140,0	139,7	37.3	14	161	193	59	15	111	2XM12X80	2.2
745-01-0141-11201	125	139,7 - 142,0	141,3	37.3	14	163	195	59	15	111	2XM12X80	2.2
745-01-0154-11201	150	151,5 - 155,0	154,0	32	12	176	208	59	15	111	2XM12X80	2.3
745-01-0159-11201	150	156,5 - 160,0	157,7	32	12	179	211	59	15	111	2XM12X80	2.3
745-01-0165-11201	150	163,3 - 166,0	165,2	32	12	187	219	59	15	111	2XM12X80	2.4
745-01-0168-11201	150	166,6 - 170,0	168,3	32	12	190	222	59	15	111	2XM12X80	2.4
745-01-0180-11201	175	178,0 - 182,0	180,0	26.7	10	202	234	59	15	111	2XM12X80	2.5
745-01-0200-11201	200	198,2 - 201,0	200,0	21.3	8	226	265	89	15	150	2XM14X100	4.6
745-01-0204-11201	200	202,7 - 206,0	204,0	21.3	8	230	269	89	15	150	2XM14X100	4.7
745-01-0216-11201	200	214,5 - 218,0	216,3	21.3	8	242	281	89	15	150	2XM14X100	4.8
745-01-0219-11201	200	217,0 - 221,0	219,1	21.3	8	245	284	89	15	150	2XM14X100	4.9
745-01-0254-11201	225	251,4 - 256,0	254,0	21.3	8	280	319	89	15	150	2XM14X100	5.3
745-01-0267-11201	250	264,8 - 270,0	267,4	21.3	8	293	332	89	15	150	2XM14X100	5.5
745-01-0273-11201	250	270,4 - 275,0	273,0	21.3	8	299	338	89	15	150	2XM14X100	5.6
745-01-0304-11201	275	301,5 - 306,0	304,0	18.7	7	330	369	89	15	150	2XM14X100	6.0
745-01-0318-11201	300	316,0 - 322,0	318,5	18.7	7	345	383	89	15	150	2XM14X100	6.2
745-01-0323-11201	300	321,0 - 327,0	323,9	18.7	7	350	388	89	15	150	2XM14X100	6.3
745-01-0355-11201	350	352,0 - 360,0	355,6	18.7	7	382	420	89	15	150	2XM14X100	6.7
745-01-0406-11201	400	402,0 - 410,0	406,4	16	6	432	471	89	15	150	2XM14X100	7.4

(1) Work press.(bar): Working pressure for industrial and bases applications: minimum burst pressure is 1,5 x PN. Work press. Marine (bar): Working Pressure for marine application: minimum burst pressure is 4 x PN