

# Axial restraint pipe coupling

## STRAUB-METAL-GRIP

STRAUB-METAL-GRIP pipe couplings are axially tension-resistant pipe connections for all metallic pipes and rigid plastic pipes. The universal connection solution offers countless application possibilities on almost all pipe systems. The installation is carried out on smooth-surfaced pipes without any pipe end machining. The compact design allows pipe routing in the smallest of spaces. Unexpected secondary stresses, as well as inaccuracies in the pipe routing caused by the customer, are absorbed by the couplings due to the flexible design. This allows a simple and quick installation, which results in noticeable cost savings.



### METAL-GRIP ø 30.0 - 219.1 mm

adMm	Clamping range [mm]	PN industry [bar]	PN shipbuilding [bar]	B [mm]	DV [mm]	C (mm)	X [mm]	R without strip insert [mm]	R with strip insert [mm]	Torque rate [Nm]	Allen head [mm]	Thread metric
30	29.5 - 30.5	67	16	46/67	47	18	56	5	5	10	6	8
33.7	33.2 - 34.2	62	16	46/67	52	18	63	5	5	10	6	8
38	37.5 - 38.5	58	16	61	58	19	73	5	5 - 10	15	6	8
42.4	41.9 - 42.9	53	16	61	62	20	76	5	5 - 10	15	6	8
44.5	44.0 - 45.0	48	16	61	64	20	80	5	5 - 10	15	6	8
48.3	47.8 - 48.8	44	16	61	68	20	83	5	5 - 10	15	6	8
54	53.5 - 54.5	39	16	77	74	38	89	5	5 - 10	15	6	8
57	56.4 - 57.6	37	16	77	77	32	92	5 - 15	5-25	15	6	8
60.3	59.7 - 60.9	37	16	77	82	32	95	5 - 15	5-25	15	6	8
63.5	62.9 - 64.1	37	16	77	84	32	98	5 - 15	5-25	15	6	8
73	72.2 - 73.8	56	16	94	95	39	117	5 - 15	5-25	35	8	10
76.1	75.3 - 76.9	56	16	94	100	39	117	5 - 15	5-25	35	8	10
84	83.2 - 84.8	45	16	94	112	39	123	5 - 15	5-25	35	8	10
88.9	88.0 - 89.8	41	16	94	117	39	123	5 - 15	5-25	35	8	10
104	103.0 - 105.0	37	16	94	133	39	151	5 - 15	5-25	35	8	10
108	106.9 - 109.1	35	16	94	133	39	151	5 - 15	5-25	35	8	10
114.3	113.2 - 115.4	34	16	94	139	39	157	5 - 15	5-25	35	8	10
129	127.7 - 130.3	33	16	108	160	43	182	5 - 15	5-25	60	10	12

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133	131.7 - 134.3	33	16	108	160	43	182	5 - 15	5-25	60	10	12
139.7	138.3 - 141.1	32	16	109	168	43	191	5 - 15	5-25	60	10	12
154	152.5 - 155.5	32	16	109	186	51	210	5 - 15	5-25	60	10	12
159	157.4 - 160.6	31	16	109	187	43	210	5 - 15	5-25	60	10	12
168.3	166.6 - 170.0	29	16	109	200	43	220	5 - 15	5-25	60	10	12
219.1	216.9 - 221.3	26	16	150	259	60	288	5 - 15	5-25	100	14	16

## METAL-GRIP ø 180.0 - 609.6 mm

adMm	Clamping range [mm]	PN industry [bar]	PN shipbuilding [bar]	B [mm]	DV [mm]	C (mm)	X [mm]	R without strip insert [mm]	R with strip insert [mm]	Torque rate [Nm]	Allen head [mm]	Thread metric
180	178.0 - 182.0	29	16	148	225	67	256	5 - 15	5-35	150	17	20
193.7	192.0 - 195.5	29	16	148	239	67	270	5 - 15	5-35	150	17	20
200	198.0 - 202.0	28	15	148	245	67	276	5 - 15	5-35	180	17	20
206	204.0 - 208.0	28	15	148	251	67	282	5 - 15	5-35	180	17	20
244.5	242.0 - 247.0	27	14	148	290	67	330	5 - 15	5-35	180	17	20
267	264.5 - 269.5	24	12	148	312	67	352	5 - 15	5-35	180	17	20
273	270.5 - 275.5	21	12	148	318	67	359	5 - 15	5-35	180	17	20
323.9	320.5 - 327.0	18	10	148	369	67	411	5 - 15	5-35	230	17	20
355.6	352.0 - 359.0	17	8	148	401	67	444	5 - 15	5-35	230	17	20
406.4	402.5 - 410.5	14	8	148	451	67	494	5 - 15	5-35	230	17	20
457.2	452.5 - 462.0	8	6	148	502	67	546	5 - 15	5-35	250	17	20
508	503.0 - 513.0	6	5	148	553	67	598	5 - 15	5-35	250	17	20
558.8	554.0 - 564.0	6	4.5	148	604	67	649	5 - 15	5-35	300	17	20
609.6	604.5 - 614.5	5	4	148	655	67	701	5 - 15	5-35	300	17	20