



OUTLET FITTINGS

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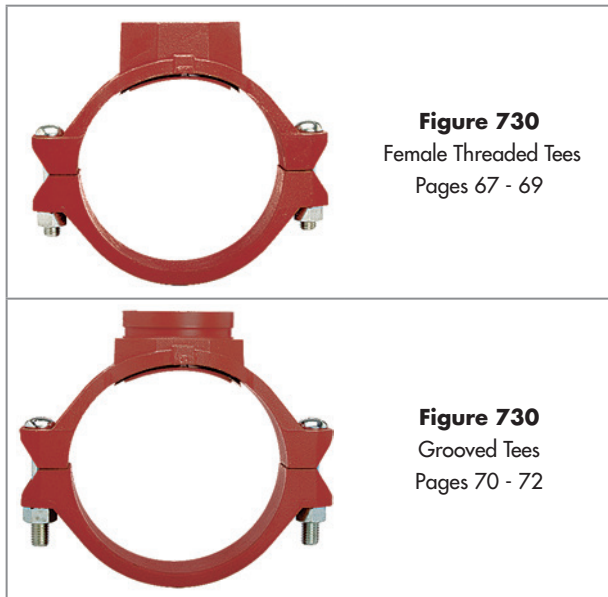


Figure 730
Female Threaded Tees
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Figure 730
Grooved Tees
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The GRINNELL Figure 730 Mechanical Tee is rated at 34.5 Bar (500 psi) on standard weight pipe. It can be used in place of a tee, a cross connection, or a welded outlet where a threaded or grooved outlet is needed. The Mechanical Tee is ideal for use in retrofit or equipment hookup installations as it can be positioned along the pipe at the proper location in the field, ensuring exact lineup of the branch outlet connection. The GRINNELL Figure 730 can be used on steel or HDPE pipe.

All GRINNELL Figure 730 Mechanical Tees are provided with a ductile iron lower housing section for increased strength and dependability. This design provides stability and rigidity while inhibiting damage to the pipe during tightening.

MATERIAL SPECIFICATIONS

Housing Specifications

- ASTM A 536 – Standard specification for ductile iron castings, Grade 65-45-12
- Tensile Strength, minimum 4482 Bar (65,000 psi)
- Yield Strength, minimum 3103 Bar (45,000 psi)
- Elongation in 50mm (2"), minimum 12%
- ASTM A 153 – Standard specification for hot-dip galvanising

Bolt/Nut Specifications

- **Metric:** Carbon steel oval neck track head bolts (Gold colour coded) are heat treated and conform to the physical properties of ASTM F 568 M with a minimum tensile strength of 760 MPa. Carbon steel heavy hex nuts conform to the physical properties of ASTM A 563 M Class 9. Bolts and nuts are zinc-electroplated conforming to ASTM B 633.
- **ANSI:** Carbon steel oval neck bolts and nuts are heat-treated and conform to the physical properties of ASTM A 183 Grade 2 and SAE J429 Grade 5 with a minimum tensile strength of 7584 Bar (110,000 psi). Carbon Steel heavy hex nuts conform to the physical properties of ASTM A 183 Grade 2 and SAE J995 Grade 5. Bolts and nuts are zinc-electroplated conforming to ASTM B 633.
- Stainless steel bolts and nuts are available upon request.

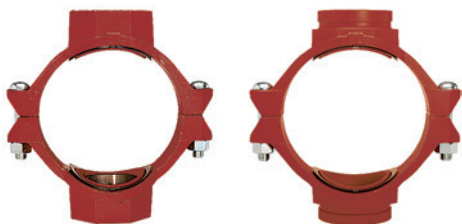
Gasket Specifications

- **Grade "E" EPDM** gaskets have a Green colour code stripe identification and conform to ASTM D 2000 for service temperatures from -34°C to 110°C (-30°F to 230°F). They are recommended for hot water not to exceed 110°C (230°F), plus a variety of dilute acids, oil free air, and many chemical services. They are not recommended for petroleum services.
- **Grade "T" Nitrile** gaskets have an Orange colour code stripe identification and conform to ASTM D 2000 for service temperatures from -29°C to 82°C (-20°F to 180°F). They are recommended for petroleum products, vegetable oils, mineral oils, and air with oil vapours.

Coatings

- Red – Non-lead paint (standard)
- Hot-Dipped, Zinc Galvanised (optional)

In addition, all sizes can be made into a cross configuration, threaded x threaded, groove x groove, and groove x threaded.



For detailed Listing / Approval information contact GRINNELL Mechanical Products.

General notes: Additional information is included in our data sheets and is available upon request. It is the Designer's responsibility to select products suitable for the intended service and to ensure that pressure ratings and performance data is not exceeded. Always read and understand the installation constructions. Never remove any piping components nor correct or modify any piping deficiencies without first depressurising and draining the system. Material and gasket selection should be verified with the gasket recommendation listing for the specific application.

Figure 730 Mechanical Tees – Threaded

(Page 1 of 3)

Tech Data Sheet: G210

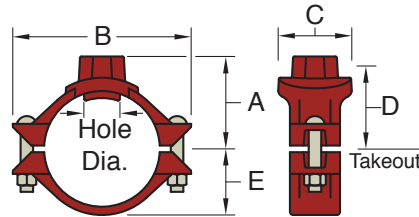


Figure 730 Branch Outlet with Female BSP Threaded Branch (Tee Configuration)

Outlet Fittings

Part Number	Nominal Size Run x Branch DN In.	Hole Dia. †		Max. ‡ Branch End Load kN Lbs.	Dimensions - mm In.					Bolt Size mm In.	Approx. Weight kg Lbs.
		Min. mm In.	Max. mm In.		A	B	C	D	E		
730AT2005*	50 x 15	38.1	41.3	1.2	66.5	124.0	78.0	53.8	40.4	M10 x 57	1.1
	2 x 1/2	1.50	1.63	277.1	2.62	4.88	3.07	2.12	1.59	3/8 x 2-1/4	2.5
730AT2007*	50 x 20	38.1	41.3	1.9	66.5	124.0	78.0	53.8	40.4	M10 x 57	1.0
	2 x 3/4	1.50	1.63	433.0	2.62	4.88	3.07	2.12	1.59	3/8 x 2-1/4	2.3
730AT2010*	50 x 25	38.1	41.3	3.0	66.5	124.0	78.0	53.8	40.4	M10 x 57	1.0
	2 x 1	1.50	1.63	679.1	2.62	4.88	3.07	2.12	1.59	3/8 x 2-1/4	2.2
730AT2012*	50 x 32	44.5	47.6	4.8	70.6	124.0	84.3	49.0	40.4	M10 x 57	1.1
	2 x 1-1/4	1.75	1.88	1082.1	2.78	4.88	3.32	1.93	1.59	3/8 x 2-1/4	2.4
730AT2015*	50 x 40	44.5	47.6	6.3	69.9	124.0	84.3	49.0	40.4	M10 x 57	1.1
	2 x 1-1/2	1.75	1.88	1417.6	2.75	4.88	3.32	1.93	1.59	3/8 x 2-1/4	2.5
730AT2505*	65 x 15	38.1	41.3	1.2	73.2	133.4	78.0	60.5	46.0	M10 x 57	1.1
	2-1/2 x 1/2	1.50	1.63	277.1	2.88	5.25	3.07	2.38	1.81	3/8 x 2-1/4	2.4
730AT2507*	65 x 20	38.1	41.3	1.9	73.2	133.4	78.0	60.5	46.0	M10 x 57	1.1
	2-1/2 x 3/4	1.50	1.63	433.0	2.88	5.25	3.07	2.38	1.81	3/8 x 2-1/4	2.4
730AT2510*	65 x 25	38.1	41.3	3.0	73.2	133.4	78.0	60.5	46.0	M10 x 57	1.1
	2-1/2 x 1	1.50	1.63	679.1	2.88	5.25	3.07	2.38	1.81	3/8 x 2-1/4	2.4
730AT2512*	65 x 32	50.8	54.0	4.8	76.2	133.4	90.4	55.6	46.0	M10 x 57	1.1
	2-1/2 x 1-1/4	2.00	2.13	1082.1	3.00	5.25	3.56	2.19	1.81	3/8 x 2-1/4	2.5
730AT2515*	65 x 40	50.8	54.0	6.3	78.0	133.4	91.2	55.1	46.0	M10 x 57	1.2
	2-1/2 x 1-1/2	2.00	2.13	1417.6	3.07	5.25	3.59	2.17	1.81	3/8 x 2-1/4	2.6
730MT2520*	65 x 50	50.8	54.0	9.9	81.0	133.4	101.6	62.0	46.0	M10 x 57	1.2
	2-1/2 x 2	2.00	2.13	2215.1	3.19	5.25	4.00	2.44	1.81	3/8 x 2-1/4	2.7
730AT2605*	65 x 15	38.1	41.3	1.2	74.5	142.7	78.0	62.0	47.5	M10 x 57	1.1
	76.1mm x 1/2	1.50	1.63	277.1	2.94	5.62	3.07	2.44	1.87	–	2.5
730AT2607*	65 x 20	38.1	41.3	1.9	74.5	142.7	78.0	62.0	47.5	M10 x 57	1.1
	76.1mm x 3/4	1.50	1.63	433.0	2.94	5.62	3.07	2.44	1.87	–	2.5
730AT2610*	65 x 25	38.1	41.3	3.0	74.5	142.7	78.0	62.0	47.5	M10 x 57	1.1
	76.1mm x 1	1.50	1.63	679.1	2.94	5.62	3.07	2.44	1.87	–	2.5
730MT2612*	65 x 32	50.8	54.0	4.8	77.7	142.7	90.4	57.2	47.5	M10 x 57	1.5
	76.1mm x 1-1/4	2.00	2.13	1082.1	3.06	5.62	3.56	2.25	1.87	–	3.3
730MT2615*	65 x 40	50.8	54.0	6.3	79.5	142.7	90.4	57.2	47.5	M10 x 57	1.6
	76.1mm x 1-1/2	2.00	2.13	1417.6	3.13	5.62	3.56	2.25	1.87	–	3.6
730MT2620*	65 x 50	50.8	54.0	9.9	82.6	142.7	101.6	63.5	47.5	M10 x 57	1.7
	76.1mm x 2	2.00	2.13	2215.1	3.25	5.62	4.00	2.50	1.87	–	3.7

Figure 730 Mechanical Tees – Threaded

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Tech Data Sheet: G210

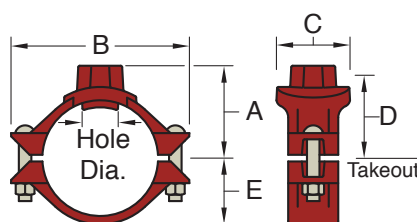


Figure 730 Branch Outlet with Female BSP Threaded Branch (Tee Configuration)

Outlet Fittings

Part Number	Nominal Size Run x Branch DN In.	Hole Dia. †		Max. ‡ Branch End Load kN Lbs.	Dimensions - mm In.					Bolt Size mm In.	Approx. Weight kg Lbs.
		Min. mm In.	Max. mm In.		A	B	C	D	E		
730MT3005*	80 x 15	38.1	41.3	1.2	81.0	155.7	78.0	65.0	56.1	M12 x 89	1.7
	3 x 1/2	1.50	1.63	277.1	3.19	6.13	3.07	2.56	2.21	1/2 x 3	3.7
730MT3007*	80 x 20	38.1	41.3	1.9	81.0	155.7	78.0	65.0	56.1	M12 x 89	1.7
	3 x 3/4	1.50	1.63	433.0	3.19	6.13	3.07	2.56	2.21	1/2 x 3	3.7
730MT3010*	80 x 25	38.1	41.3	3.0	81.0	155.7	78.0	65.0	56.1	M12 x 89	1.7
	3 x 1	1.50	1.63	679.1	3.19	6.13	3.07	2.56	2.21	1/2 x 3	3.7
730MT3012*	80 x 32	44.5	47.6	4.8	84.8	155.7	84.3	63.5	56.1	M12 x 89	1.6
	3 x 1-1/4	1.75	1.88	1082.1	3.34	6.13	3.32	2.50	2.21	1/2 x 3	3.5
730MT3015*	80 x 40	50.8	54.0	6.3	85.9	155.7	90.4	63.0	56.1	M12 x 89	1.7
	3 x 1-1/2	2.00	2.13	1417.6	3.38	6.13	3.56	2.48	2.21	1/2 x 3	3.7
730MT3020*	80 x 50	63.5	66.7	9.9	88.9	155.7	103.9	69.9	56.1	M12 x 89	2.1
	3 x 2	2.50	2.63	2215.1	3.50	6.13	4.09	2.75	2.21	1/2 x 3	4.7
730MT4205*	100 x 15	38.1	41.3	1.2	93.7	181.1	78.0	77.7	70.6	M12 x 89	2.2
	4 x 1/2	1.50	1.63	277.1	3.69	7.13	3.07	3.06	2.78	1/2 x 3	4.8
730MT4207*	100 x 20	38.1	41.3	1.9	93.7	181.1	78.0	77.7	70.6	M12 x 89	2.2
	4 x 3/4	1.50	1.63	433.0	3.69	7.13	3.07	3.06	2.78	1/2 x 3	4.8
730MT4210*	100 x 25	38.1	41.3	3.0	93.7	181.1	78.0	77.7	70.6	M12 x 89	2.2
	4 x 1	1.50	1.63	679.1	3.69	7.13	3.07	3.06	2.78	1/2 x 3	4.8
730AT4212*	100 x 32	44.5	47.6	4.8	99.6	181.1	84.3	76.2	70.6	M12 x 89	2.2
	4 x 1-1/4	1.75	1.88	1082.1	3.92	7.13	3.32	3.00	2.78	1/2 x 3	4.8
730AT4215*	100 x 40	50.8	54.0	6.3	101.6	181.1	90.4	75.7	70.6	M12 x 89	2.3
	4 x 1-1/2	2.00	2.13	1417.6	4.00	7.13	3.56	2.98	2.78	1/2 x 3	5.1
730MT4220*	100 x 50	63.5	66.7	9.9	101.6	181.1	103.1	82.6	70.6	M12 x 89	2.5
	4 x 2	2.50	2.63	2215.1	4.00	7.13	4.06	3.25	2.78	1/2 x 3	5.5
730MT4226*	100 x 65	69.9	73.0	15.7	101.6	181.1	111.3	79.2	70.6	M12 x 89	2.8
	4 x 76.1mm	2.75	2.88	3534.3	4.00	7.13	4.38	3.12	2.78	-	6.2
730MT4230*	100 x 80	88.9	92.1	21.4	104.9	181.1	130.3	84.1	70.6	M12 x 89	3.5
	4 x 3	3.50	3.63	4810.6	4.13	7.13	5.13	3.31	2.78	1/2 x 3	7.8
730MT5315*	125 x 40	50.8	54.0	6.3	117.6	206.5	90.4	101.6	85.6	M16 x 121	3.5
	139.7mm/5 x 1-1/2	2.00	2.13	1417.6	4.63	8.13	3.56	4.00	3.37	5/8 x 4-3/4	7.8
730MT5320*	125 x 50	63.5	66.7	9.9	117.6	206.5	103.1	98.6	85.6	M16 x 121	3.5
	139.7mm/5 x 2	2.50	2.63	2215.1	4.63	8.13	4.06	3.88	3.37	5/8 x 4-3/4	7.8
730MT5326*	125 x 65	69.9	73.0	15.7	120.7	206.5	111.3	98.6	85.6	M16 x 121	4.0
	139.7mm/5 x 76.1mm	2.75	2.88	3534.3	4.75	8.13	4.38	3.88	3.37	-	8.9
730MT5330*	125 x 80	88.9	92.1	21.4	127.0	206.5	130.3	103.1	85.6	M16 x 121	5.8
	139.7mm/5 x 3	3.50	3.63	4810.6	5.00	8.13	5.13	4.06	3.37	5/8 x 4-3/4	12.7
730MT6212*	150 x 32	50.8	54.0	4.8	130.3	235.0	90.4	108.0	99.1	M16 x 121	3.5
	165.1mm x 1-1/4	2.00	2.13	1082.1	5.13	9.25	3.56	4.25	3.90	-	7.7

Figure 730 Mechanical Tees – Threaded

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Tech Data Sheet: G210

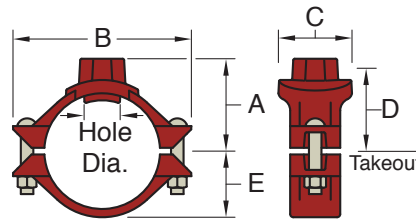


Figure 730 Branch Outlet with Female BSP Threaded Branch (Tee Configuration)

Part Number	Nominal Size Run x Branch DN In.	Hole Dia.†		Max.‡ Branch End Load kN Lbs.	Dimensions - mm In.					Bolt Size mm In.	Approx. Weight kg Lbs.
		Min. mm In.	Max. mm In.		A	B	C	D	E		
730AT6215*	150 x 40	50.8	54.0	6.3	130.3	235.0	90.4	102.6	99.1	M16 x 121	3.5
	165.1mm x 1-1/2	2.00	2.13	1417.6	5.13	9.25	3.56	4.04	3.90	–	7.7
730AT6220*	150 x 50	63.5	66.7	9.9	130.3	235.0	103.1	109.5	99.1	M16 x 121	3.7
	165.1mm x 2	2.50	2.63	2215.1	5.13	9.25	4.06	4.31	3.90	–	8.2
730AT6226*	150 x 65	69.9	73.0	15.7	130.3	235.0	111.3	106.2	99.1	M16 x 121	4.1
	165.1mm x 76.1mm	2.75	2.88	3584.3	5.13	9.25	4.38	4.18	3.90	–	9.0
730AT6230*	150 x 80	88.9	92.1	21.4	139.7	235.0	130.3	111.0	99.1	M16 x 121	4.8
	165.1mm x 3	3.50	3.63	4810.6	5.50	9.25	5.13	4.37	3.90	–	10.5
730MT6312*	150 x 32	50.8	54.0	4.8	130.3	235.0	90.4	108.0	99.1	M16 x 121	3.4
	6 x 1-1/4	2.00	2.13	1082.1	5.13	9.25	3.56	4.25	3.90	5/8 x 4-3/4	7.5
730AT6315*	150 x 40	50.8	54.0	6.3	130.3	235.0	90.4	102.6	99.1	M16 x 121	3.4
	6 x 1-1/2	2.00	2.13	1417.6	5.13	9.25	3.56	4.04	3.90	5/8 x 4-3/4	7.5
730AT6320*	150 x 50	63.5	66.7	9.9	130.3	235.0	103.1	109.5	99.1	M16 x 121	3.5
	6 x 2	2.50	2.63	2215.1	5.13	9.25	4.06	4.31	3.90	5/8 x 4-3/4	7.7
730AT6326*	150 x 65	69.9	73.0	14.4	130.3	235.0	111.3	106.2	99.1	M16 x 121	4.0
	6 x 76.1mm	2.75	2.88	3245.9	5.13	9.25	4.38	4.18	3.90	5/8 x 4-3/4	8.9
730AT6330*	150 x 80	88.9	92.1	21.4	139.7	235.0	130.3	111.0	99.1	M16 x 121	4.7
	6 x 3	3.50	3.63	4810.6	5.50	9.25	5.13	4.37	3.90	5/8 x 4-3/4	10.3
730AT8020*	200 x 50	63.5	66.7	14.4	158.8	317.5	103.1	130.0	124.5	M20 x 121	5.5
	8 x 2	2.50	2.63	3245.9	6.25	12.50	4.06	5.12	4.90	3/4 x 4-3/4	12.1
730AT8026*	200 x 65	69.9	73.0	15.7	158.8	317.5	111.3	130.0	124.5	M20 x 121	5.7
	8 x 76.1mm	2.75	2.88	3534.3	6.25	12.50	4.38	5.12	4.90	–	12.6
730AT8030*	200 x 80	88.9	92.1	21.4	165.1	317.5	130.3	136.4	124.5	M20 x 121	6.1
	8 x 3	3.50	3.63	4810.6	6.50	12.50	5.13	5.37	4.90	3/4 x 4-3/4	13.6

* = 1 for red paint finish, 2 for hot dipped galvanized finish

† Proper hole preparation is required for effective sealing and performance. Check the pipe seal surface within 15.9mm (5/8") of the hole to ensure it is free from conditions affecting proper gasket sealing. Remove any sharp or rough edges from the hole or upper housing contact area that might affect assembly, proper seating of the locating collar, or flow from the outlet. For crosses, ensure double outlet holes are aligned on opposite sides of the pipe. The use of threaded products other than steel pipe, such as dry pendent sprinklers, may not be compatible with the female threaded outlet on the Mechanical Tee. Always confirm compatibility by contacting a GRINNELL Sales Representative.

‡ Maximum pressures and end loads are total from all loads based on standard weight steel pipe. Pressure ratings and end loads may differ on other pipe materials and/or wall thickness. Contact a GRINNELL Sales Representative for details.

Threads are BSP. Some size outlets are available with NPT threads. Contact a GRINNELL Sales Representative for details.

For information on alternative sizes, contact a GRINNELL Sales Representative.

See page 66 for mechanical tee specifications, and see pages 116 - 127 for gasket information.

For instructions on part numbers, ordering information, and availability, refer to page 13 or contact a GRINNELL Sales Representative.

Outlet Fittings

Figure 730 Mechanical Tees – Grooved

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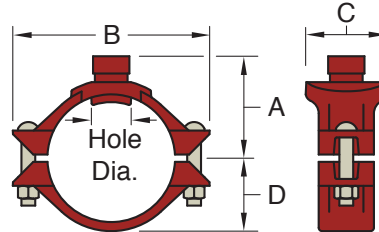


Figure 730 Branch Outlet
with Grooved Branch
(Tee Configuration)

Outlet
Fittings

Part Number	Nominal Size Run x Branch DN In.	Hole Dia.†		Max.‡ End Load Branch kN Lbs.	Dimensions - mm In.				Bolt Size mm In.	Approx. Weight kg Lbs.
		Min. mm In.	Max. mm In.		A	B	C	D		
730AG2012✘	50 x 32	44.5	47.6	4.8	70.6	124.0	84.3	40.4	M10 x 57	1.1
	2 x 1-1/4	1.75	1.88	1082.1	2.78	4.88	3.32	1.59	3/8 x 2-1/4	2.5
730AG2015✘	50 x 40	44.5	47.6	6.3	66.5	124.0	84.3	40.4	M10 x 57	1.1
	2 x 1-1/2	1.75	1.88	1417.6	2.62	4.88	3.32	1.59	3/8 x 2-1/4	2.4
730AG2512✘	65 x 32	50.8	54.0	4.8	76.2	133.4	90.4	46.0	M10 x 57	1.1
	2-1/2 x 1-1/4	2.00	2.13	1082.1	3.00	5.25	3.56	1.81	3/8 x 2-1/4	2.5
730MG2520✘	65 x 50	50.8	54.0	9.9	81.0	133.4	101.6	46.0	M10 x 57	1.1
	2-1/2 x 2	2.00	2.13	2215.1	3.19	5.25	4.00	1.81	3/8 x 2-1/4	2.5
730MG2612✘	65 x 32	50.8	54.0	4.8	77.7	142.7	90.4	47.5	M10 x 57	1.1
	76.1mm x 1-1/4	2.00	2.13	1082.1	3.06	5.62	3.56	1.87	–	2.5
730MG2615✘	65 x 40	50.8	54.0	6.3	79.5	142.7	90.4	47.5	M10 x 57	1.1
	76.1mm x 1-1/2	2.00	2.13	1417.6	3.13	5.62	3.56	1.87	–	2.5
730MG2620✘	65 x 50	50.8	54.0	9.9	82.6	142.7	101.6	47.5	M10 x 57	1.1
	76.1mm x 2	2.00	2.13	2215.1	3.25	5.62	4.00	1.87	–	2.5
730MG3012✘	80 x 32	44.5	47.6	4.8	84.8	155.7	84.3	56.1	M12 x 89	1.6
	3 x 1-1/4	1.75	1.88	1082.1	3.34	6.13	3.32	2.21	1/2 x 3	3.5
730MG3015✘	80 x 40	50.8	54.0	6.3	85.9	155.7	90.4	56.1	M12 x 89	1.6
	3 x 1-1/2	2.00	2.13	1417.6	3.38	6.13	3.56	2.21	1/2 x 3	3.6
730MG3020✘	80 x 50	63.5	66.7	9.9	88.9	155.7	103.9	56.1	M12 x 89	2.0
	3 x 2	2.50	2.63	2215.1	3.50	6.13	4.09	2.21	1/2 x 3	4.5
730AG4212✘	100 x 32	44.5	47.6	4.8	99.6	181.1	84.3	70.6	M12 x 89	2.2
	4 x 1-1/4	1.75	1.88	1082.1	3.92	7.13	3.32	2.78	1/2 x 3	4.8
730AG4215✘	100 x 40	50.8	54.0	6.3	101.6	181.1	90.4	70.6	M12 x 89	2.3
	4 x 1-1/2	2.00	2.13	1417.6	4.00	7.13	3.56	2.78	1/2 x 3	5.0
730MG4220✘	100 x 50	63.5	66.7	9.9	101.6	181.1	103.1	70.6	M12 x 89	2.4
	4 x 2	2.50	2.63	2215.1	4.00	7.13	4.06	2.78	1/2 x 3	5.3
730MG4225✘	100 x 65	69.9	73.0	14.4	101.6	181.1	111.3	70.6	M12 x 89	2.7
	4 x 2-1/2	2.75	2.88	3245.9	4.00	7.13	4.38	2.78	1/2 x 3	5.9
730MG4226✘	100 x 65	69.9	73.0	15.7	101.6	181.1	111.3	70.6	M12 x 89	2.7
	4 x 76.1mm	2.75	2.88	3534.3	4.00	7.13	4.38	2.78	–	5.9
730MG4230✘	100 x 80	88.9	92.1	21.4	104.9	181.1	130.3	70.6	M12 x 89	3.4
	4 x 3	3.50	3.63	4810.6	4.13	7.13	5.13	2.78	1/2 x 3	7.4
730MG5315✘	125 x 40	50.8	54.0	6.3	117.6	206.5	90.4	85.6	M16 x 121	3.5
	139.7mm/5 x 1-1/2	2.00	2.13	1417.6	4.63	8.13	3.56	3.37	5/8 x 4-3/4	7.7

Figure 730 Mechanical Tees – Grooved

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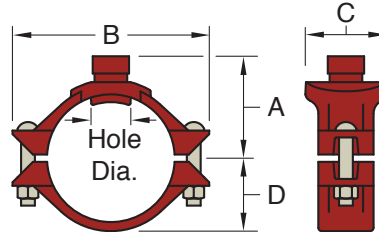


Figure 730 Branch Outlet
with Grooved Branch
(Tee Configuration)

Part Number	Nominal Size Run x Branch DN In.	Hole Dia.†		Max.‡ End Load Branch kN Lbs.	Dimensions - mm In.				Bolt Size mm In.	Approx. Weight kg Lbs.
		Min. mm In.	Max. mm In.		A	B	C	D		
730MG5320*	125 x 50	63.5	66.7	9.9	117.6	206.5	103.1	85.6	M16 x 121	3.4
	139.7mm/5 x 2	2.50	2.63	2215.1	4.63	8.13	4.06	3.37	5/8 x 4-3/4	7.6
730MG5325*	125 x 65	69.9	73.0	14.4	120.7	206.5	111.3	85.6	M16 x 121	3.9
	139.7mm/5 x 2-1/2	2.75	2.88	3245.9	4.75	8.13	4.38	3.37	5/8 x 4-3/4	8.6
730MG5326*	125 x 65	69.9	73.0	15.7	120.7	206.5	111.3	85.6	M16 x 121	3.9
	139.7mm/5 x 76.1mm	2.75	2.88	3534.3	4.75	8.13	4.38	3.37	–	8.6
730MG5330*	125 x 80	88.9	92.1	21.4	127.0	206.5	130.3	85.6	M16 x 121	5.6
	139.7mm/5 x 3	3.50	3.63	4810.6	5.00	8.13	5.13	3.37	5/8 x 4-3/4	12.3
730MG6212*	150 x 32	50.8	54.0	4.8	130.3	235.0	90.4	99.1	M16 x 121	3.5
	165.1mm x 1-1/4	2.00	2.13	1082.1	5.13	9.25	3.56	3.90	–	7.7
730MG6215*	150 x 40	50.8	54.0	6.3	130.3	235.0	90.4	99.1	M16 x 121	3.4
	165.1mm x 1-1/2	2.00	2.13	1417.6	5.13	9.25	3.56	3.90	–	7.6
730AG6220*	150 x 50	63.5	66.7	9.9	130.3	235.0	103.1	99.1	M16 x 121	3.6
	165.1mm x 2	2.50	2.63	2215.1	5.13	9.25	4.06	3.90	–	8.0
730AG6225*	150 x 65	69.9	73.0	14.4	130.3	235.0	111.3	99.1	M16 x 121	4.0
	165.1mm x 2-1/2	2.75	2.88	3245.9	5.13	9.25	4.38	3.90	–	8.8
730AG6226*	150 x 65	69.9	73.0	15.7	130.3	235.0	111.3	99.1	M16 x 121	4.0
	165.1mm x 76.1mm	2.75	2.88	3534.3	5.13	9.25	4.38	3.90	–	8.8
730AG6230*	150 x 80	88.9	92.1	–	139.7	235.0	130.3	99.1	M16 x 121	4.6
	165.1mm x 3	3.50	3.63	–	5.50	9.25	5.13	3.90	–	10.1
730AG6242*	150 x 100	114.3	117.5	35.4	136.7	235.0	155.7	99.1	M16 x 121	5.3
	165.1mm x 4	4.50	4.63	7952.2	5.38	9.25	6.13	3.90	–	11.6
730MG6312*	150 x 32	50.8	54.0	4.8	130.3	235.0	90.4	99.1	M16 x 121	3.5
	6 x 1-1/4	2.00	2.13	1082.1	5.13	9.25	3.56	3.90	5/8 x 4-3/4	7.7
730AG6315*	150 x 40	50.8	54.0	6.3	130.3	235.0	90.4	99.1	M16 x 121	3.4
	6 x 1-1/2	2.00	2.13	1417.6	5.13	9.25	3.56	3.90	5/8 x 4-3/4	7.6
730AG6320*	150 x 50	63.5	66.7	9.9	130.3	235.0	103.1	99.1	M16 x 121	3.6
	6 x 2	2.50	2.63	2215.1	5.13	9.25	4.06	3.90	5/8 x 4-3/4	8.0
730AG6325*	150 x 65	69.9	73.0	14.4	130.3	235.0	111.3	99.1	M16 x 121	4.0
	6 x 2-1/2	2.75	2.88	3245.9	5.13	9.25	4.38	3.90	5/8 x 4-3/4	8.8
730AG6326*	150 x 65	69.9	73.0	14.4	130.3	235.0	111.3	99.1	M16 x 121	4.0
	6 x 76.1mm	2.75	2.88	3245.9	5.13	9.25	4.38	3.90	5/8 x 4-3/4	8.8
730AG6330*	150 x 80	88.9	92.1	21.4	139.7	235.0	130.3	99.1	M16 x 121	4.6
	6 x 3	3.50	3.63	4810.6	5.50	9.25	5.13	3.90	5/8 x 4-3/4	10.1

Figure 730 Mechanical Tees – Grooved

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Tech Data Sheet: G210

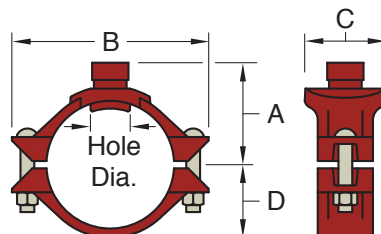


Figure 730 Branch Outlet with Grooved Branch (Tee Configuration)

Outlet Fittings

Part Number	Nominal Size Run x Branch DN In.	Hole Dia. †		Max. ‡ End Load Branch kN Lbs.	Dimensions - mm In.				Bolt Size mm In.	Approx. Weight kg Lbs.
		Min. mm In.	Max. mm In.		A	B	C	D		
730AG6342*	150 x 100	114.3	117.5	35.4	136.7	235.0	155.7	99.1	M16 x 121	5.3
	6 x 4	4.50	4.63	7952.2	5.38	9.25	6.13	3.90	5/8 x 4-3/4	11.6
730AG8020*	200 x 50	63.5	66.7	9.9	158.8	317.5	111.3	124.5	M20 x 121	5.5
	8 x 2	2.50	2.63	2215.1	6.25	12.50	4.38	4.90	3/4 x 4-3/4	12.1
730AG8025*	200 x 65	69.9	73.0	14.4	158.8	317.5	111.3	124.5	M20 x 121	5.6
	8 x 2-1/2	2.75	2.88	3245.9	6.25	12.50	4.38	4.90	3/4 x 4-3/4	12.3
730AG8026*	200 x 65	69.9	73.0	15.7	158.8	317.5	111.3	124.5	M20 x 121	5.6
	8 x 76.1mm	2.75	2.88	3534.3	6.25	12.50	4.38	4.90	–	12.3
730AG8030*	200 x 80	88.9	92.1	21.4	165.1	317.5	130.3	124.5	M20 x 121	6.0
	8 x 3	3.50	3.63	4810.6	6.50	12.50	5.13	4.90	3/4 x 4-3/4	13.2
730AG8042*	200 x 100	114.3	117.5	35.4	162.1	317.5	155.7	124.5	M20 x 121	6.7
	8 x 4	4.50	4.63	7952.2	6.38	12.50	6.13	4.90	3/4 x 4-3/4	14.7

* = 1 for red paint finish, 2 for hot dipped galvanised finish

◆ Contact a GRINNELL Sales Representative for dimension details.

† Proper hole preparation is required for effective sealing and performance. Check the pipe seal surface within 15.9mm (5/8") of the hole to ensure it is free from conditions affecting proper gasket sealing. Remove any sharp or rough edges from the hole or upper housing contact area that might affect assembly, proper seating of the locating collar, or flow from the outlet. For crosses, ensure double outlet holes are aligned on opposite sides of the pipe.

‡ Maximum pressures and end loads are total from all loads based on standard weight steel pipe. Pressure ratings and end loads may differ on other pipe materials and/or wall thickness. Contact a GRINNELL Sales Representative for details.

For information on alternative sizes, contact a GRINNELL Sales Representative.

See page 66 for mechanical tee specifications, and see pages 116 - 127 for gasket information.

For instructions on part numbers, ordering information, and availability, refer to page 13 or contact a GRINNELL Sales Representative.