



G-FIRE OUTLET
FITTINGS

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Outlet Fittings

All GRINNELL Outlet Fittings are provided with a ductile iron lower housing section for increased strength and dependability. This provides stability, rigidity, and inhibits damage to the pipe during tightening, as compared to U-Bolts provided by other manufacturers.

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



For detailed Listing and Approval information see pages 101 - 108 or contact Tyco Fire Protection Products.

General notes: 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 depressurizing and draining the system. Material should be verified to be compatible for the specific application.

The Figure 730 Outlet Fitting 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.

All Figure 730 Outlet Fittings 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 4,481 bar (65,000 psi)
- Yield Strength, minimum 3,102 bar (45,000 psi)
- Elongation in 50mm (2"), minimum 12%
- ASTM A 153 – Standard specification for hot-dip galvanising

Bolt/Nut Specifications

- Carbon steel oval neck bolts and nuts are heat treated and conform to the physical properties of ASTM A 183 with a minimum tensile strength of 7,584 bar (110,000 psi). Bolts and nuts are zinc electroplated to ASTM B 633.
- Gold colour coded metric bolts conforming to the physical properties of ASTM F 568M are available upon request. Contact GRINNELL Products.
- Stainless Steel nuts and bolts are UL listed and comply to UL requirements. Bolts conform to ASTM A 193M, Class 2, Austenitic Stainless Steel. Nuts conform to ASTM A 194 Type 316, Grade 8M.

Gasket Specifications

- **Grade "E" EPDM** gaskets have a green striped colour code 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.

Coatings

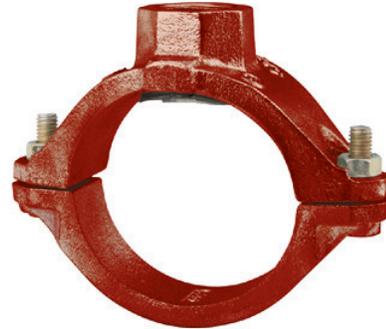
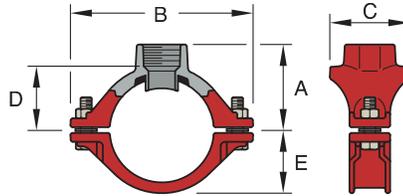
- Red – Non-lead paint RAL 3000 (standard)
- Hot-Dipped, Zinc Galvanised (Optional)

Figure 522 G-FIRE Threaded Sprinkler Outlet

Tech Data Sheet: TFP1865



The GRINNELL Figure 522 Sprinkler Outlet is an economical alternative to welded pipe outlets on steel pipe. The Figure 522 Sprinkler Outlet may be used with full lengths of pipe and eliminates threading and welding, decreasing waste and installation time. The Figure 522 Sprinkler Outlet may be used in wet pipe, dry pipe, and deluge systems.



Part Number	Nominal Pipe Size		Outlet Size ISO 7/1 or NPT Threads	Max. \pm Outlet End Load Lbs. kN	Dimensions - In. mm					Approx. Weight Lbs. kg
	Size In. mm	O.D. In. mm			A	B	C	D	E	
522F1005*	25 1	33.7 1.315	15	0.738	25.4	86.4	49.3	14.3	25.4	0.4
522F1007*			1/2	165.9	1.00	3.40	1.94	0.56	1.00	0.9
522F1010*			3/4	259.9	1.64	3.40	1.94	1.14	1.00	1.1
522F1203*	32 1 1/4	42.4 1.660	10	0.738	31.0	96.0	57.2	23.1	26.9	0.4
522F1205*			3/8	165.9	1.22	3.78	2.25	0.91	1.06	0.9
522F1207*			1/2	165.9	1.22	3.78	2.25	0.78	1.06	0.9
522F1210*			3/4	259.9	1.83	3.78	2.25	1.33	1.06	1.1
522F1505*	40 1 1/2	48.3 1.900	15	0.738	33.5	101.6	57.2	22.4	31.8	0.5
522F1507*			1/2	165.9	1.32	4.00	2.25	0.88	1.25	1.1
522F1510*			3/4	259.9	1.93	4.00	2.25	1.43	1.25	1.1
522F2005*			1	406.9	2.11	4.00	2.25	1.55	1.25	1.3
522F2007*	50 2	60.3 2.375	15	0.738	39.6	113.3	57.2	28.4	38.1	0.6
522F2010*			1/2	165.9	1.56	4.46	2.25	1.12	1.50	1.3
522F2605*			3/4	259.9	2.17	4.46	2.25	1.67	1.50	1.5
522F2607*	65 76,1mm	76.1 3.000	15	0.738	50.8	130.0	57.2	39.6	46.2	0.7
522F2610*			1/2	165.9	2.00	5.12	2.25	1.56	1.82	1.5
522F2610*			3/4	259.9	2.50	5.12	2.25	2.00	1.82	1.8
522F2610*			1	406.9	2.75	5.12	2.50	2.19	1.82	1.8

Outlet
Fittings

* = 1 for red paint (RAL 3000) finish, 2 for hot dipped galvanised finish
 See page 46 for specifications, and see pages 76 - 82 for gasket information.
 Available with BSP or NPT threads. Contact Tyco Technical Services for details.
 Each branch connection can be made by drilling a one size hole: 24.0mm; +0.5mm/-0.0mm, with the exception of 50 x 25mm (2" x 1") and 76.1 x 25mm which requires an hole with diameter 34.9 mm; +0.5 / -0.0 mm.

Figure 730 Mechanical Tees - Threaded

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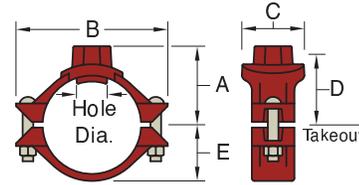


Figure 730 Branch Outlet with Female BSP Threaded Branch

Outlet Fittings

Part Number	Nominal Size Run x Branch mm 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 2 x 1/2	38.1 1.50	41.3 1.63	1.2 277.1	66.5 2.62	124.0 4.88	78.0 3.07	53.8 2.12	40.4 1.59	M10 x 57 3/8 x 2-1/4	1.1 2.5
730AT2007*	50 x 20 2 x 3/4	38.1 1.50	41.3 1.63	1.9 433.0	66.5 2.62	124.0 4.88	78.0 3.07	53.8 2.12	40.4 1.59	M10 x 57 3/8 x 2-1/4	1.0 2.3
730AT2010*	50 x 25 2 x 1	38.1 1.50	41.3 1.63	3.0 679.1	66.5 2.62	124.0 4.88	78.0 3.07	53.8 2.12	40.4 1.59	M10 x 57 3/8 x 2-1/4	1.0 2.2
730AT2012*	50 x 32 2 x 1-1/4	44.5 1.75	47.6 1.88	4.8 1082.1	70.6 2.78	124.0 4.88	84.3 3.32	49.0 1.93	40.4 1.59	M10 x 57 3/8 x 2-1/4	1.1 2.4
730AT2015*	50 x 40 2 x 1-1/2	44.5 1.75	47.6 1.88	6.3 1417.6	69.9 2.75	124.0 4.88	84.3 3.32	49.0 1.93	40.4 1.59	M10 x 57 3/8 x 2-1/4	1.1 2.5
730AT2505*	65 x 15 2-1/2 x 1/2	38.1 1.50	41.3 1.63	1.2 277.1	73.2 2.88	133.4 5.25	78.0 3.07	60.5 2.38	46.0 1.81	M10 x 57 3/8 x 2-1/4	1.1 2.4
730AT2507*	65 x 20 2-1/2 x 3/4	38.1 1.50	41.3 1.63	1.9 433.0	73.2 2.88	133.4 5.25	78.0 3.07	60.5 2.38	46.0 1.81	M10 x 57 3/8 x 2-1/4	1.1 2.4
730AT2510*	65 x 25 2-1/2 x 1	38.1 1.50	41.3 1.63	3.0 679.1	73.2 2.88	133.4 5.25	78.0 3.07	60.5 2.38	46.0 1.81	M10 x 57 3/8 x 2-1/4	1.1 2.4
730AT2512*	65 x 32 2-1/2 x 1-1/4	50.8 2.00	54.0 2.13	4.8 1082.1	76.2 3.00	133.4 5.25	90.4 3.56	55.6 2.19	46.0 1.81	M10 x 57 3/8 x 2-1/4	1.1 2.5
730AT2515*	65 x 40 2-1/2 x 1-1/2	50.8 2.00	54.0 2.13	6.3 1417.6	78.0 3.07	133.4 5.25	91.2 3.59	55.1 2.17	46.0 1.81	M10 x 57 3/8 x 2-1/4	1.2 2.6
730MT2520*	65 x 50 2-1/2 x 2	50.8 2.00	54.0 2.13	9.9 2215.1	81.0 3.19	133.4 5.25	101.6 4.00	62.0 2.44	46.0 1.81	M10 x 57 3/8 x 2-1/4	1.2 2.7
730AT2605*	65 x 15 76.1mm x 1/2	38.1 1.50	41.3 1.63	1.2 277.1	74.5 2.94	142.7 5.62	78.0 3.07	62.0 2.44	47.5 1.87	M10 x 57 -	1.1 2.5
730AT2607*	65 x 20 76.1mm x 3/4	38.1 1.50	41.3 1.63	1.9 433.0	74.5 2.94	142.7 5.62	78.0 3.07	62.0 2.44	47.5 1.87	M10 x 57 -	1.1 2.5
730AT2610*	65 x 25 76.1mm x 1	38.1 1.50	41.3 1.63	3.0 679.1	74.5 2.94	142.7 5.62	78.0 3.07	62.0 2.44	47.5 1.87	M10 x 57 -	1.1 2.5
730MT2612*	65 x 32 76.1mm x 1-1/4	50.8 2.00	54.0 2.13	4.8 1082.1	77.7 3.06	142.7 5.62	90.4 3.56	57.2 2.25	47.5 1.87	M10 x 57 -	1.5 3.3
730MT2615*	65 x 40 76.1mm x 1-1/2	50.8 2.00	54.0 2.13	6.3 1417.6	79.5 3.13	142.7 5.62	90.4 3.56	57.2 2.25	47.5 1.87	M10 x 57 -	1.6 3.6
730MT2620*	65 x 50 76.1mm x 2	50.8 2.00	54.0 2.13	9.9 2215.1	82.6 3.25	142.7 5.62	101.6 4.00	63.5 2.50	47.5 1.87	M10 x 57 -	1.7 3.7
730MT3005*	80 x 15 3 x 1/2	38.1 1.50	41.3 1.63	1.2 277.1	81.0 3.19	155.7 6.13	78.0 3.07	65.0 2.56	56.1 2.21	M12 x 89 1/2 x 3	1.7 3.7
730MT3007*	80 x 20 3 x 3/4	38.1 1.50	41.3 1.63	1.9 433.0	81.0 3.19	155.7 6.13	78.0 3.07	65.0 2.56	56.1 2.21	M12 x 89 1/2 x 3	1.7 3.7
730MT3010*	80 x 25 3 x 1	38.1 1.50	41.3 1.63	3.0 679.1	81.0 3.19	155.7 6.13	78.0 3.07	65.0 2.56	56.1 2.21	M12 x 89 1/2 x 3	1.7 3.7
730MT3012*	80 x 32 3 x 1-1/4	44.5 1.75	47.6 1.88	4.8 1082.1	84.8 3.34	155.7 6.13	84.3 3.32	63.5 2.50	56.1 2.21	M12 x 89 1/2 x 3	1.6 3.5
730MT3015*	80 x 40 3 x 1-1/2	50.8 2.00	54.0 2.13	6.3 1417.6	85.9 3.38	155.7 6.13	90.4 3.56	63.0 2.48	56.1 2.21	M12 x 89 1/2 x 3	1.7 3.7
730MT3020*	80 x 50 3 x 2	63.5 2.50	66.7 2.63	9.9 2215.1	88.9 3.50	155.7 6.13	103.9 4.09	69.9 2.75	56.1 2.21	M12 x 89 1/2 x 3	2.1 4.7
730MT4205*	100 x 15 4 x 1/2	38.1 1.50	41.3 1.63	1.2 277.1	93.7 3.69	181.1 7.13	78.0 3.07	77.7 3.06	70.6 2.78	M12 x 89 1/2 x 3	2.2 4.8
730MT4207*	100 x 20 4 x 3/4	38.1 1.50	41.3 1.63	1.9 433.0	93.7 3.69	181.1 7.13	78.0 3.07	77.7 3.06	70.6 2.78	M12 x 89 1/2 x 3	2.2 4.8
730MT4210*	100 x 25 4 x 1	38.1 1.50	41.3 1.63	3.0 679.1	93.7 3.69	181.1 7.13	78.0 3.07	77.7 3.06	70.6 2.78	M12 x 89 1/2 x 3	2.2 4.8

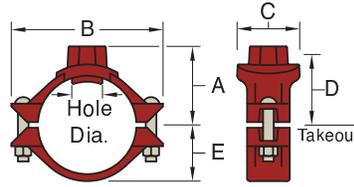
Figure 730 Mechanical Tees – Threaded

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Figure 730 Branch Outlet with Female BSP Threaded Branch



Part Number	Nominal Size Run x Branch mm 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		
730AT4212*	100 x 32 4 x 1-1/4	44.5 1.75	47.6 1.88	4.8 1082.1	99.6 3.92	181.1 7.13	84.3 3.32	76.2 3.00	70.6 2.78	M12 x 89 1/2 x 3	2.2 4.8
730AT4215*	100 x 40 4 x 1-1/2	50.8 2.00	54.0 2.13	6.3 1417.6	101.6 4.00	181.1 7.13	90.4 3.56	75.7 2.98	70.6 2.78	M12 x 89 1/2 x 3	2.3 5.1
730MT4220*	100 x 50 4 x 2	63.5 2.50	66.7 2.63	9.9 2215.1	101.6 4.00	181.1 7.13	103.1 4.06	82.6 3.25	70.6 2.78	M12 x 89 1/2 x 3	2.5 5.5
730MT4226*	100 x 65 4 x 76.1mm	69.9 2.75	73.0 2.88	15.7 3534.3	101.6 4.00	181.1 7.13	111.3 4.38	79.2 3.12	70.6 2.78	M12 x 89 -	2.8 6.2
730MT4230*	100 x 80 4 x 3	88.9 3.50	92.1 3.63	21.4 4810.6	104.9 4.13	181.1 7.13	130.3 5.13	84.1 3.31	70.6 2.78	M12 x 89 1/2 x 3	3.5 7.8
730MT5315*	125 x 40 139.7mm/5 x 1-1/2	50.8 2.00	54.0 2.13	6.3 1417.6	117.6 4.63	206.5 8.13	90.4 3.56	101.6 4.00	85.6 3.37	M16 x 121 5/8 x 4-3/4	3.5 7.8
730MT5320*	125 x 50 139.7mm/5 x 2	63.5 2.50	66.7 2.63	9.9 2215.1	117.6 4.63	206.5 8.13	103.1 4.06	98.6 3.88	85.6 3.37	M16 x 121 5/8 x 4-3/4	3.5 7.8
730MT5326*	125 x 65 139.7mm/5 x 76.1mm	69.9 2.75	73.0 2.88	15.7 3534.3	120.7 4.75	206.5 8.13	111.3 4.38	98.6 3.88	85.6 3.37	M16 x 121 -	4.0 8.9
730MT5330*	125 x 80 139.7mm/5 x 3	88.9 3.50	92.1 3.63	21.4 4810.6	127.0 5.00	206.5 8.13	130.3 5.13	103.1 4.06	85.6 3.37	M16 x 121 5/8 x 4-3/4	5.8 12.7
730MT6212*	150 x 32 165.1mm x 1-1/4	50.8 2.00	54.0 2.13	4.8 1082.1	130.3 5.13	235.0 9.25	90.4 3.56	108.0 4.25	99.1 3.90	M16 x 121 -	3.5 7.7
730AT6215*	150 x 40 165.1mm x 1-1/2	50.8 2.00	54.0 2.13	6.3 1417.6	130.3 5.13	235.0 9.25	90.4 3.56	102.6 4.04	99.1 3.90	M16 x 121 -	3.5 7.7
730AT6220*	150 x 50 165.1mm x 2	63.5 2.50	66.7 2.63	9.9 2215.1	130.3 5.13	235.0 9.25	103.1 4.06	109.5 4.31	99.1 3.90	M16 x 121 -	3.7 8.2
730AT6226*	150 x 65 165.1mm x 76.1mm	69.9 2.75	73.0 2.88	15.7 3584.3	130.3 5.13	235.0 9.25	111.3 4.38	106.2 4.18	99.1 3.90	M16 x 121 -	4.1 9.0
730AT6230*	150 x 80 165.1mm x 3	88.9 3.50	92.1 3.63	21.4 4810.6	139.7 5.50	235.0 9.25	130.3 5.13	111.0 4.37	99.1 3.90	M16 x 121 -	4.8 10.8
730MT6312*	150 x 32 6 x 1-1/4	50.8 2.00	54.0 2.13	4.8 1082.1	130.3 5.13	235.0 9.25	90.4 3.56	108.0 4.25	99.1 3.90	M16 x 121 5/8 x 4-3/4	3.4 7.5
730AT6315*	150 x 40 6 x 1-1/2	50.8 2.00	54.0 2.13	6.3 1417.6	130.3 5.13	235.0 9.25	90.4 3.56	102.6 4.04	99.1 3.90	M16 x 121 5/8 x 4-3/4	3.4 7.5
730AT6320*	150 x 50 6 x 2	63.5 2.50	66.7 2.63	9.9 2215.1	130.3 5.13	235.0 9.25	103.1 4.06	109.5 4.31	99.1 3.90	M16 x 121 5/8 x 4-3/4	3.5 7.7
730AT6326*	150 x 65 6 x 76.1mm	69.9 2.75	73.0 2.88	14.4 3245.9	130.3 5.13	235.0 9.25	111.3 4.38	106.2 4.18	99.1 3.90	M16 x 121 5/8 x 4-3/4	4.0 8.9
730AT6330*	150 x 80 6 x 3	88.9 3.50	92.1 3.63	21.4 4810.6	139.7 5.50	235.0 9.25	130.3 5.13	111.0 4.37	99.1 3.90	M16 x 121 5/8 x 4-3/4	4.7 10.3
730AT8020*	200 x 50 8 x 2	69.9 2.75	73.0 2.88	14.4 3245.9	158.8 6.25	317.5 12.50	103.1 4.06	130.0 5.12	124.5 4.90	M20 x 121 3/4 x 4-3/4	5.5 12.1
730AT8026*	200 x 65 8 x 76.1mm	69.9 2.75	73.0 2.88	15.7 3534.3	158.8 6.25	317.5 12.50	111.3 4.38	130.0 5.12	124.5 4.90	M20 x 121 -	5.7 12.6
730AT8030*	200 x 80 8 x 3	88.9 3.50	92.1 3.63	21.4 4810.6	165.1 6.50	317.5 12.50	130.3 5.13	136.4 5.37	124.5 4.90	M20 x 121 3/4 x 4-3/4	6.1 13.6

* = 1 for red paint (RAL 3000) finish, 2 for hot dipped galvanised 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 Tyco Technical Services.

‡ 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 Tyco Technical Services for details.

Threads are BSP. Some size outlets are available with NPT threads. Contact Tyco Technical Services for details.

For information on other alternative sizes, contact Tyco Technical Services

See page 46 for specifications, and see pages 76 - 82 for gasket information.

Outlet
Fittings

Figure 730 Mechanical Tees – Grooved

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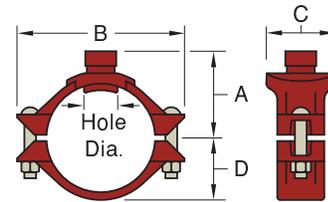


Figure 730 Branch Outlet with Grooved Branch

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
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

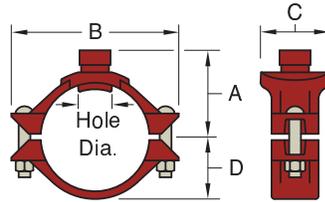
Figure 730 Mechanical Tees – Grooved

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Figure 730 Branch Outlet with Grooved Branch



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		
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
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
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	69.9	73.0	9.9	158.8	317.5	111.3	124.5	M20 x 121	5.5
	8 x 2	2.75	2.88	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 (RAL 3000) finish, 2 for hot dipped galvanised 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.

‡ 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 Tyco Technical Services for details.

For information on other alternative sizes, contact Tyco Technical Services

See page 46 for specifications, and see pages 76 - 82 for gasket information.

Outlet
Fittings

Outlet
Fittings