



TSP[®] Malleable Iron Fittings

BSP Taper/Parallel) EN10242
FM Approved
Technical Catalogue





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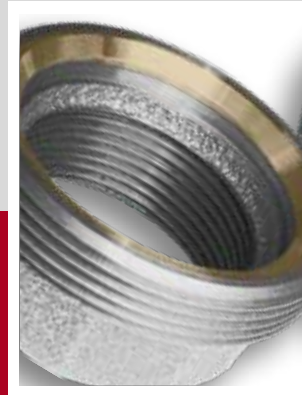
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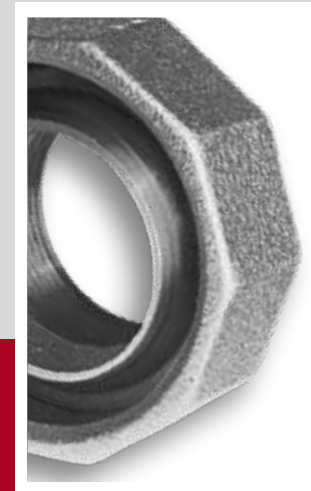
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ABOUT TSP®



ACCREDITED

Include accreditations from the UK and EU.

TSP® malleable iron pipe fittings forged from high quality galvanised and black iron have been manufactured to the highest standards since 1983 and include many accreditations from the UK and the EU including FM Approved and stamped.



+10,000 TONNES

of malleable iron pipe fittings manufactured annually

TSP® has built on its reputation for high grade fittings and has seen demand for the malleable pipe fitting range grow from an initial production of 15 tonnes per month to a staggering 10,000+ tonnes per annum. Undeniably, TSP® has become a recognised global brand that is now exported to over 20 countries worldwide and has been awarded many UK and EU accreditations giving more confidence to buyers and installers alike.

20+ COUNTRIES

Servicing 20+ countries worldwide

The largest markets for TSP® malleable iron pipe fittings include the United States, Europe and Japan - with the latter having arguably the most highly regulated construction industry of the world. The TSP range of malleable iron pipe fittings have become the specified fitting of choice for many major contractors and have consequently been used in multiple iconic structures.

PRODUCT STANDARD



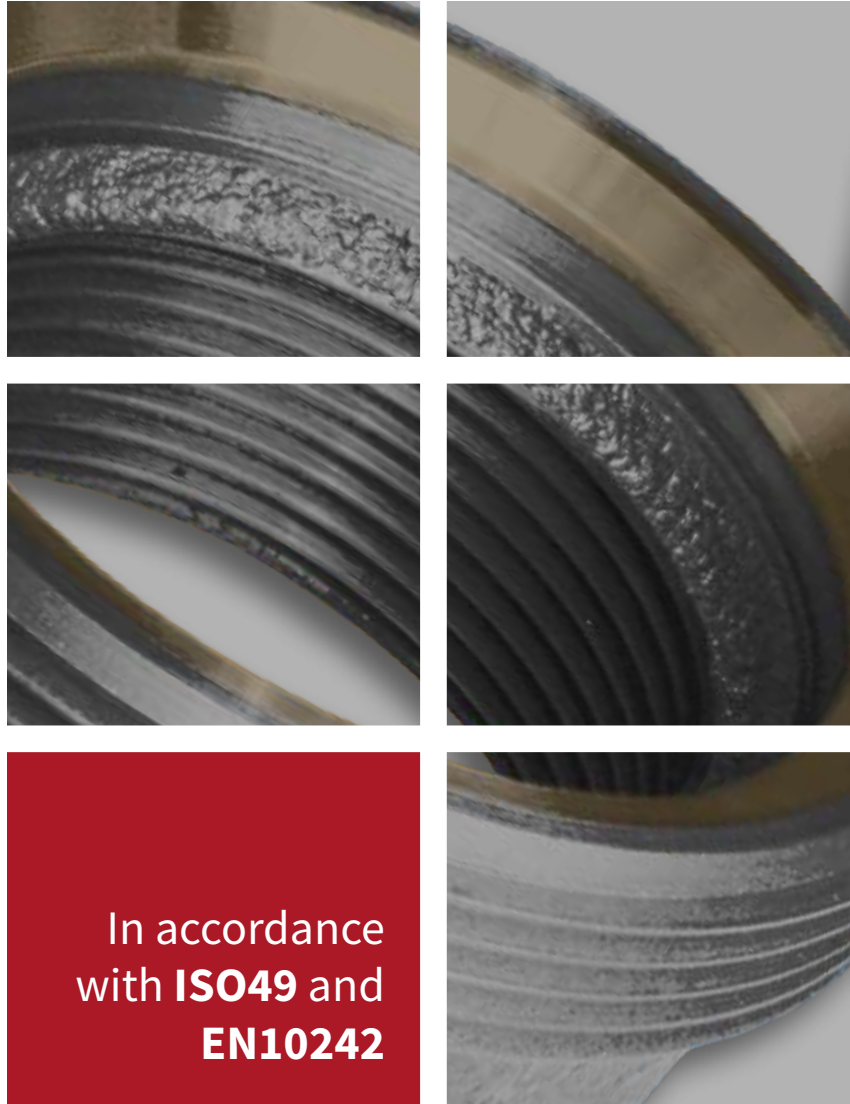
High quality
fitting in
accordance
with **ISO49**
and **EN10242**

TSP[®] malleable cast iron fittings for air, water, oil, gas and steam installations are made in accordance with the current ISO 49 and EN 10242 standards and are designated with the design symbol A.

Malleable fittings are one of the most popular pipe fittings due to their durability and mechanical strength that ensures a safe use in a wide variety of installations such as:

- Sanitary, heating & gas installations
- Cooling & air conditioning
- Sprinkler & gas fire extinguishing systems
- Construction of industrial plants
- Machine construction
- Construction of petrol stations
- Machines for paper productions
- Printing machines
- Commercial vehicle construction

PRODUCT STANDARD



In accordance
with **ISO49** and
EN10242

STANDARD SPECIFICATION

Design	EN10242
Material	EN 1562
Threads	ISO 7-1 ISO 288-1
Zinc Coating	EN10242
Reinforcement	Beading

MECHANICAL PROPERTIES

Tensile Strength (min)	Elongation (min)	Hardness (max)
350N/mm ²	10%	150HB

HYDROSTATIC DESIGN TEST PRESSURE (Design Strength)

Size	Pressure
1/8" - 4"	100bar
5" and 6"	64bar

PERMISSABLE WORKING PRESSURE & TEMPERATURE

Service Temp. (°C)	Maximum Permissible Working Pressure (bar)
-20 - 120	25
Between 120 and 300	Interpolated values
>300	20

COATING

Galvanised	Hot dip zinc coating (min) 70µ per 500gr/m ²
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BASIC DIMENSIONS FOR EUROPEAN STANDARD THREADS

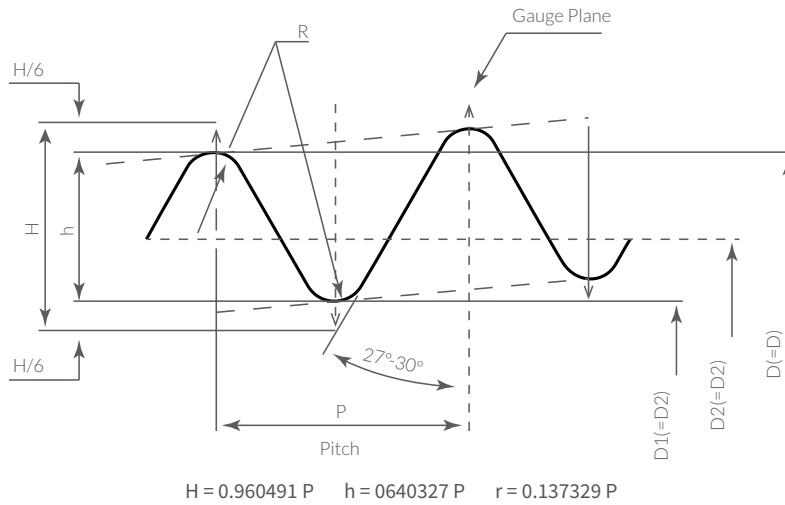


INFORMATION SELECTED FROM ISO 7-1

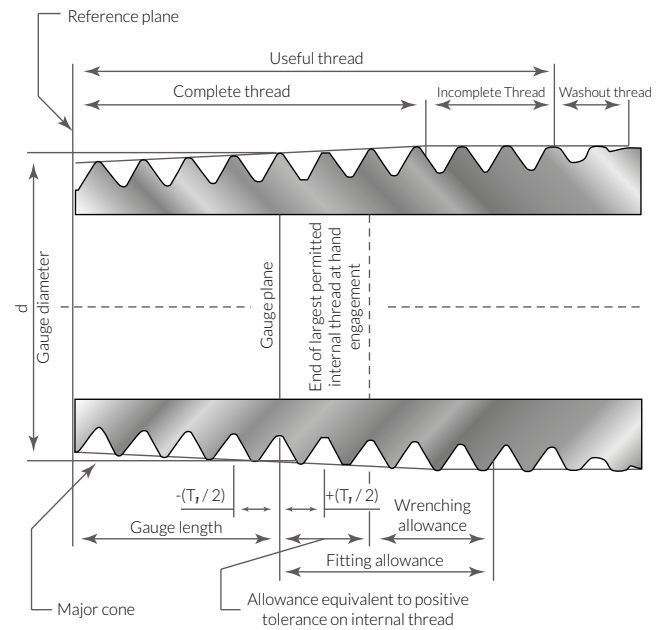
Designation of Thread Size		Number of Thread in 2,54mm	Pitch	Height (depth) of thread	Diameters at gauge plane			Length of useful thread			Gauge Length			Tolerance on position of gauge plane		
					Major	Pitch	Minor	Max	Nominal	Min	Max	Nominal	Min	On external thread	On internal thread	
Inch	mm		P	h	d	D2	D1									Turns of thread
1/8	4	28	0.907	0.581	9.728	9.147	8.566	7.4	6.5	5.6	4.9	4	3.1	± 1	± 1 ½	
1/4	8	19	1.337	0.856	13.157	12.301	11.445	11.0	9.7	8.4	7.3	6	4.7	± 1	± 1 ½	
3/8	10	19	1.337	0.856	16.662	15.806	14.950	11.4	10.1	8.8	7.7	6.4	5.1	± 1	± 1 ½	
1/2	15	14	1.814	1.162	20.955	19.793	18.631	15.0	13.2	11.4	10.0	8.2	6.4	± 1	± 1 ½	
3/4	20	14	1.814	1.162	26.441	25.279	24.117	16.3	14.5	12.7	11.3	9.5	7.7	± 1	± 1 ½	
1	25	11	2.309	1.479	33.249	31.770	30.291	19.1	16.8	14.5	12.7	10.4	8.1	± 1	± 1 ½	
1 ¼	32	11	2.309	1.479	41.910	40.431	38.952	21.4	19.1	16.8	15.0	12.7	10.4	± 1	± 1 ½	
1 ½	40	11	2.309	1.479	47.803	46.324	44.845	21.4	19.1	16.8	15.0	12.7	10.4	± 1	± 1 ½	
2	50	11	2.309	1.479	59.614	58.135	56.656	25.7	23.4	21.1	18.2	15.9	13.6	± 1	± 1 ½	
2 ½	65	11	2.309	1.479	75.184	73.705	72.226	30.2	26.7	23.2	21.0	17.5	14.0	± 1 ½	± 1 ½	
3	80	11	2.309	1.479	87.884	86.405	84.926	33.3	29.8	26.3	24.1	20.6	17.1	± 1 ½	± 1 ½	
4	100	11	2.309	1.479	130.303	111.551	110.072	39.3	35.8	32.3	28.9	25.4	21.9	± 1 ½	± 1 ½	
5	125	11	2.309	1.479	138.430	136.951	135.472	43.6	40.1	36.6	32.1	28.6	25.1	± 1 ½	± 1 ½	
6	150	11	2.309	1.479	163.830	162.351	160.872	43.6	40.1	36.6	32.1	28.6	25.1	± 1 ½	± 1 ½	

BASIC DIMENSIONS FOR EUROPE STANDARD THREADS

PARALLEL THREAD



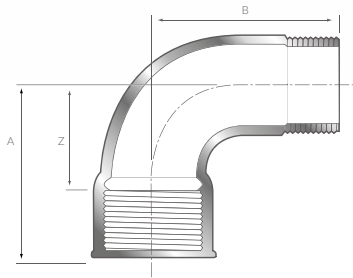
TERMS RELATING TO EXTERNAL THREADS



FITTING RANGE

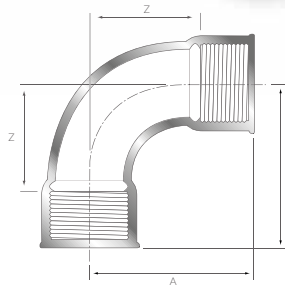


(Fig. 1A) Male/Female Short Bend



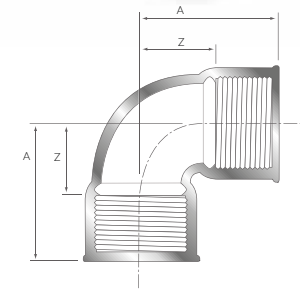
Dimension	A	B	Z	Stock Code Galvanised	Stock Code Black	Box Qty
½"	45	45	32	03801AG015	03701AB015	200
¾"	50	50	35	03801AG020	03701AB020	120
1"	63	63	46	03801AG025	03701AB025	60
1¼"	76	76	57	03801AG032	03701AB032	30
1½"	85	85	66	03801AG040	03701AB040	20
2"	102	102	78	03801AG050	03701AB050	10
2½"	115	115	88	04001AG065	03901AB065	
3"	127	127	97	04001AG080	03901AB080	
4"	165	165	129	04001AG100	03901AB100	

(Fig. 2A) Female/Female Short Bend



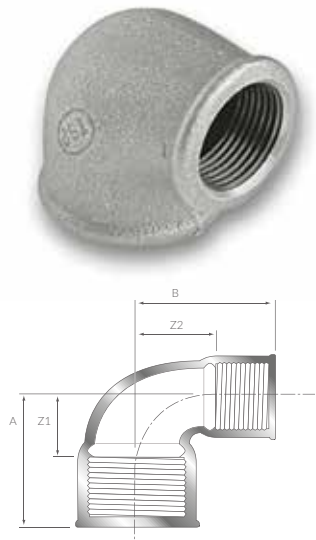
Dimension	A	Z	Stock Code Galvanised	Stock Code Black	Box Qty
½"	45	32	03802AG015	03702AB015	180
¾"	50	35	03802AG020	03702AB020	100
1"	63	46	03802AG025	03702AB025	50
1¼"	76	57	03802AG032	03702AB032	30
1½"	85	66	03802AG040	03702AB040	20
2"	102	78	03802AG050	03702AB050	10
2½"	76	57	04002AG065	03902AB065	
3"	85	66	04002AG080	03902AB080	
4"	102	78	04002AG100	03902AB100	

(Fig. 90) Female/Female 90° Elbow



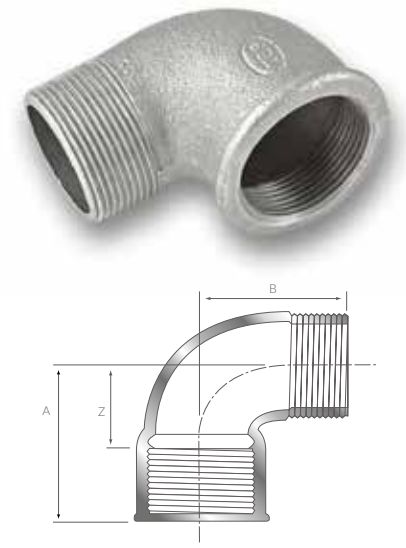
Dimension	A	Z	Stock Code Galvanised	Stock Code Black	Box Qty
¼"	21	11	038090GE008	037090BE008	400
⅜"	25	15	038090GE010	037090BE010	320
½"	28	15	038090GE015	037090BE005	200
¾"	33	18	038090GE020	037090BE020	120
1"	38	21	038090GE025	037090BE025	60
1¼"	45	26	038090GE032	037090BE032	40
1½"	50	31	038090GE040	037090BE040	30
2"	58	34	038090GE050	037090BE050	16
2½"	69	42	038090GE065	037090BE065	12
3"	78	48	038090GE080	037090BE080	8
4"	96	60	038090GE100	037090BE100	3

(Fig. 90R) Female/Female 90° Reducing Elbow



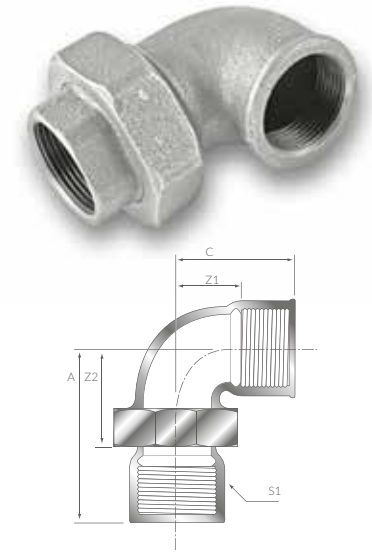
Dimension	A	B	Z1	Z2	Stock Code Galvanised	Stock Code Black	Box Qty
¾" - ½"	30	31	15	18	038090GR020X015	037090BR020X015	160
1" - ½"	32	34	15	21	038090GR025X015	037090BR025X015	100
1" - ¾"	35	36	18	21	038090GR025X020	037090BR025X020	100
1¼" - ½"	34	38	15	25	038090GR032X015	037090BR032X015	80
1¼" - ¾"	36	41	17	26	038090GR032X020	037090BR032X020	60
1½" - 1"	40	42	21	25	038090GR032X025	037090BR032X025	40
1½" - ¾"	38	44	19	29	038090GR040X020	037090BR040X020	40
1½" - 1"	42	46	23	29	038090GR040X025	037090BR040X025	40
1½" - 1¼"	46	48	27	29	038090GR040X032	037090BR040X032	
2" - 1"	44	52	20	35	038090GR050X025	037090BR050X025	
2" - 1¼"	48	54	24	35	038090GR050X032	037090BR050X032	
2" - 1½"	52	55	28	36	038090GR050X040	037090BR050X040	20

(Fig. 92) Male/Female 90° Elbow



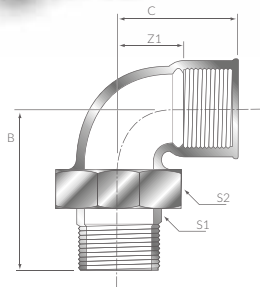
Dimension	A	B	Z	Stock Code Galvanised	Stock Code Black	Box Qty
¼"	21	28	11	038092G008	037092B008	400
⅜"	25	32	15	038092G010	037092B010	240
½"	28	37	15	038092G015	037092B015	180
¾"	33	43	18	038092G020	037092B020	100
1"	38	52	21	038092G025	037092B025	80
1¼"	45	60	26	038092G032	037092B032	50
1½"	50	65	31	038092G040	037092B040	30
2"	58	74	34	038092G050	037092B050	16
2½"	69	88	42	040092G065	039092B065	12
3"	78	98	48	040092G080	039092B080	8
4"	96	118	60	040092G100	039092B100	4

(Fig. 96) Female/Female 90° Union Elbow



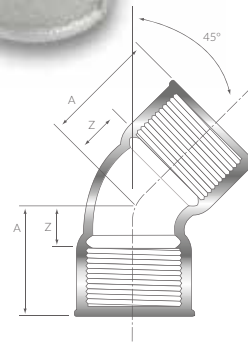
Dimension	A	C	Z1	Z2	S1	Stock Code Galvanised	Stock Code Black	Box Qty
½"	58	28	15	45	25	038096G015	037096B015	80
¾"	62	33	18	47	32	038096G020	037096B020	60
1"	72	38	21	55	38	038096G025	037096B025	40
1¼"	82	45	26	63	48	038096G032	037096B032	24
1½"	90	50	31	71	54	038096G040	037096B040	16
2"	100	58	34	76	66	038096G050	037096B050	8

(Fig. 98) Male/Female 90° Union Elbow



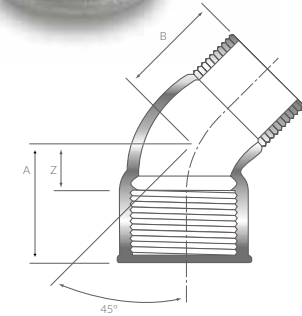
Dimension	B	C	Z1	S1	S2	Stock Code Galvanised	Stock Code Black	Box Qty
1/2"	76	28	15	25	41	038098G015	037098B015	80
3/4"	82	33	18	31	50	038098G020	037098B020	60
1"	94	38	21	38	55	038098G025	037098B025	30
1 1/4"	107	45	26	48	67	038098G032	037098B032	24
1 1/2"	115	50	31	54	74	038098G040	037098B040	16
2"	107	45	26	48	67	038098G050	037098B050	

(Fig. 120) Female/Female 45° Elbow



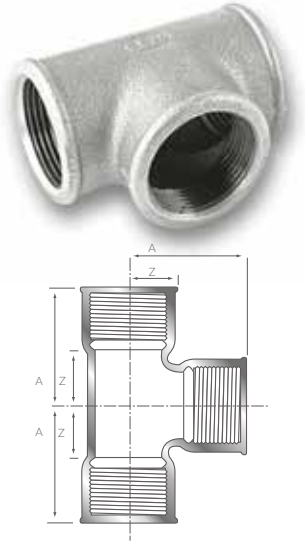
Dimension	A	Z	Stock Code Galvanised	Stock Code Black	Box Qty
1/2"	22	9	038120G015	037120B015	200
3/4"	25	10	038120G020	037120B020	120
1"	28	11	038120G025	037120B025	60
1 1/4"	33	14	038120G032	037120B032	40
1 1/2"	36	17	038120G040	037120B040	30
2"	43	19	038120G050	037120B050	24
2 1/2"	48	21	040120G032	039120B065	
3"	54	24	040120G040	039120B080	
4"	66		040120G050	039120B100	

(Fig. 121) Male/Female 45° Elbow



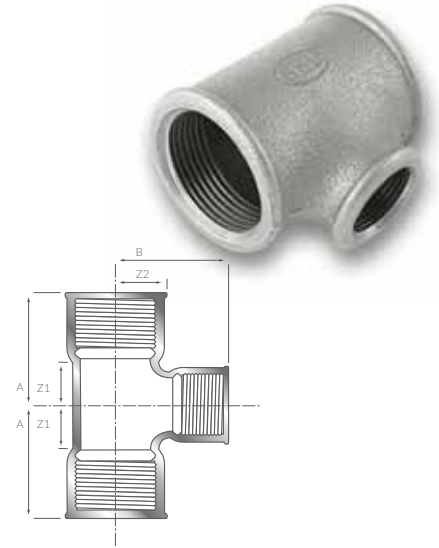
Dimension	A	B	Z	Stock Code Galvanised	Stock Code Black	Box Qty
1/2"	22	28	9	038121G015	037121B015	220
3/4"	25	32	10	038121G020	037121B020	120
1"	28	37	11	038121G025	037121B025	80
1 1/4"	33	43	14	038121G032	037121B032	40
1 1/2"	36	46	17	038121G040	037121B040	30
2"	43	55	19	038121G050	037121B050	24
2 1/2"	46	54	19	038121G032	037121B032	
3"	52	61	22	038121G040	037121B040	
4"				038121G050	037121B050	

(Fig. 130) Equal Tee



Dimension	A	Z	Stock Code Galvanised	Stock Code Black	Box Qty
¼"	21	11	038130GE008	037130BE008	320
⅜"	25	15	038130GE010	037130BE010	200
½"	28	15	038130GE015	037130BE015	120
¾"	33	18	038130GE020	037130BE020	80
1"	38	21	038130GE025	037130BE025	40
1¼"	45	26	038130GE032	037130BE032	28
1½"	50	31	038130GE040	037130BE040	24
2"	58	34	038130GE050	037130BE050	16
2½"	69	42	040130GE065	039130BE065	8
3"	78	48	040130GE080	039130BE080	6
4"	96	60	040130GE100	039130BE100	2

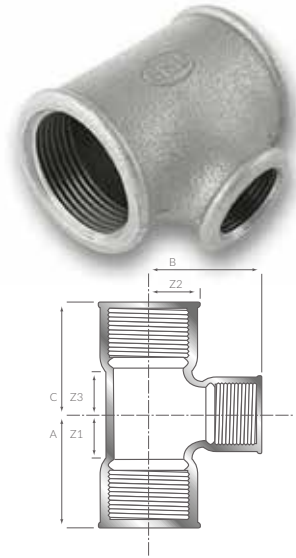
(Fig. 130R) Reducing Tee



Dimension	A	B	Z1	Z2	Stock Code Galvanised	Stock Code Black	Box Qty
¾" - ½"	30	31	15	18	038130GR020X015	037130BR020X015	80
1" - ¾"	30	32	13	22	038130GR025X010	037130BR025X010	60
1" - ½"	32	24	15	21	038130GR025X015	037130BR025X015	60
1" - ¾"	35	36	18	21	038130GR025X020	037130BR025X020	48
1¼" - ½"	34	38	15	25	038130GR032X015	037130BR032X015	40
1¼" - ¾"	36	41	17	26	038130GR032X020	037130BR032X020	40
1¼" - 1"	40	42	21	25	038130GR032X025	037130BR032X025	40
1½" - ½"	36	42	17	29	038130GR040X015	037130BR040X015	36
1½" - ¾"	38	44	23	29	038130GR040X020	037130BR040X020	30
1½" - 1"	42	46	23	29	038130GR040X025	037130BR040X025	30
1½" - 1¼"	46	48	27	29	038130GR040X032	037130BR040X032	24
2" - ½"	38	48	14	35	038130GR050X015	037130BR050X015	20
2" - ¾"	40	50	16	35	038130GR050X020	037130BR050X020	20
2" - 1"	44	52	20	35	038130GR050X025	037130BR050X025	20

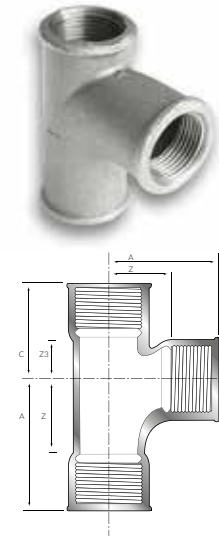
Dimension	A	B	Z1	Z2	Stock Code Galvanised	Stock Code Black	Box Qty
2" - 1¼"	48	54	24	35	038130GR050X032	037130BR050X032	16
2" - 1½"	52	55	28	36	038130GR050X040	037130BR050X040	16
2½" - 1"	47	60	20	43	040130GR065X025	039130BR065X025	10
2½" - 1¼"	52	62	25	43	040130GR065X032	039130BR065X032	10
2½" - 1½"	55	63	28	44	040130GR065X040	039130BR065X040	10
2½" - 2"	61	66	34	42	040130GR065X050	039130BR065X050	8
3" - 1"	51	67	21	50	040130GR080X025	039130BR080X025	6
3" - 1¼"	55	70	25	51	040130GR080X032	039130BR080X032	6
3" - 1½"	58	71	28	52	040130GR080X040	039130BR080X040	6
3" - 2"	64	73	34	49	040130GR080X050	039130BR080X050	6
3" - 2½"	72	76	42	49	040130GR080X065	039130BR080X065	6
4" - 2"	70	86	34	62	040130GR100X050	039130BR100X050	4
4" - 2½"	77	89	41	62	040130GR100X065	039130BR100X065	4
4" - 3"	84	92	48	62	040130GR100X080	039130BR100X080	2

(Fig. 130R) Three Way Tee



Dimension	A	B	C	Z1	Z2	Z3	Stock Code	Stock Code	Box Qty
							Galvanised	Black	
1½" - 1" - 1¼"	42	46	38	23	29	21	038130RG40X25X32	037130RB40X25X32	24
1½" - 1¼" - 1¼"	46	48	45	27	29	26	038130RG40X32X32	037130RB40X32X32	24
1½" - 1½" - ½"	50	50	42	31	31	29	038130RG40X40X15	037130RB40X40X15	24
1½" - 1½" - ¾"	50	50	44	31	31	29	038130RG40X40X20	037130RB40X40X20	24
1½" - 1½" - 1"	50	50	46	31	31	29	038130RG40X40X25	037130RB40X40X25	24
1½" - 1½" - 1¼"	50	50	48	31	31	29	038130RG40X40X32	037130RB40X40X32	24
2" - ½" - 1½"	40	50	38	16	35	19	038130RG50X15X40	037130RB50X15X40	16
2" - 1¼" - 1½"	48	54	46	24	35	27	038130RG50X32X40	037130RB50X32X40	16
2" - 1½" - 1½"	52	55	50	28	36	31	038130RG50X40X40	037130RB50X40X40	16
2" - 2" - ½"	58	58	48	34	34	35		037130RB50X50X15	
2" - 2" - 1½"	58	58	55	34	34	36	038130RG50X50X40	037130RB50X50X40	16

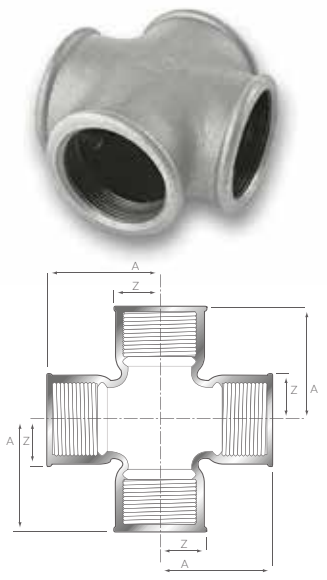
(Fig. 131) Pitcher Tee



Dimension	A	C	Z	Z3	Stock Code	Stock Code	Box Qty
					Galvanised	Black	
½"	45	24	32	11	038131GE015	037131BE015	80
1"	63	33	46	16	038131GE025	037131BE025	20
2"	102	53	78	29	038131G050	037131BE050	8

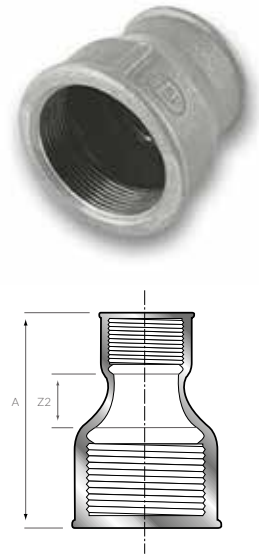
Dimension	A	B	C	Z1	Z2	Z3	Stock Code	Stock Code	Box Qty
							Galvanised	Black	
¾" - ½" - ½"	30	31	28	15	18	15	038130RG20X15X15	037130RB20X15X15	100
¾" - ¾" - ½"	33	33	31	18	18	18	038130RG20X20X15	037130RB20X20X15	80
1" - ½" - ¾"	32	34	30	15	21	15	038130RG25X15X20	037130RB25X15X20	80
1" - ¾" - ½"	35	36	31	18	21	18	038130RG25X20X15	037130RB25X20X15	80
1" - ¾" - ¾"	35	36	33	18	21	18	038130RG25X20X20	037130RB25X20X20	60
1" - 1" - ½"	38	38	34	21	21	21	038130RG25X25X15	037130RB25X25X15	60
1" - 1" - ¾"	38	38	36	21	21	21	038130RG25X25X20	037130RB25X25X20	60
1" - 1¼" - 1"	42	40	42	25	21	25	038130RG25X32X25	037130RB25X32X25	40
1¼" - ½" - 1"	34	38	32	15	25	15	038130RG32X15X25	037130RB32X15X25	40
1¼" - ¾" - 1"	36	41	35	17	26	18	038130RG32X20X25	037130RB32X20X25	40
1¼" - 1" - 1"	40	42	38	21	25	21	038130RG32X25X25	037130RB32X25X25	40
1¼" - 1¼" - ½"	40	42	38	21	25	21	038130RG32X32X15	037130RB32X32X15	40
1¼" - 1¼" - 1"	45	45	42	26	26	25	038130RG32X32X25	037130RB32X32X25	30
1¼" - 1½" - 1¼"	48	46	48	29	27	29	038130RG32X40X32	037130RB32X40X32	24

(Fig. 180) Cross



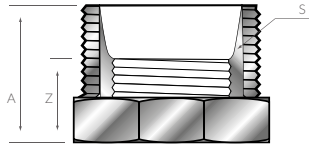
Dimension	A	Z	Stock Code Galvanised	Stock Code Black	Box Qty
1/2"	28	15	038180G015	037180B015	80
3/4"	33	18	038180G020	037180B020	60
1"	38	21	038180G025	037180B025	40
1 1/4"	45	26	038180G032	037180B032	20
1 1/2"	50	31	038180G040	037180B040	16
2"	58	34	038180G050	037180B050	10
2 1/2"	69	42	040180G065	039180B065	6
3"	78	48	040180G080	039180B080	4

(Fig. 240) Reducing Socket



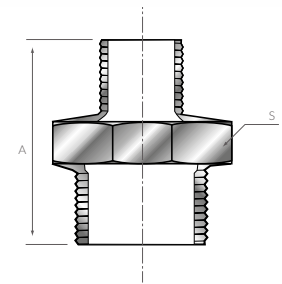
Dimension	A	Z	Stock Code Galvanised	Stock Code Black	Box Qty
3/8" - 1/4"	30	10	038240G010X008	037240B010X008	
1/2" - 1/4"	36	13	038240G015X008	037240B015X008	320
1/2" - 3/8"	36	13	038240G015X010	037240B015X010	240
3/4" - 3/8"	39	14	038240G020X010	037240B020X010	180
3/4" - 1/2"	39	11	038240G020X015	037240B020X015	180
1" - 1/2"	45	15	038240G025X015	037240B025X015	120
1" - 3/4"	45	13	038240G025X020	037240B025X020	100
1 1/4" - 1/2"	50	18	038240G032X015	037240B032X015	80
1 1/4" - 3/4"	50	16	038240G032X020	037240B032X020	80
1 1/4" - 1"	50	14	038240G032X025	037240B032X025	60
1 1/2" - 1/2"	55	23	038240G040X015	037240B040X015	60

Dimension	A	Z	Stock Code Galvanised	Stock Code Black	Box Qty
1 1/2" - 3/4"	55	21	038240G040X020	037240B040X020	60
1 1/2" - 1"	55	19	038240G040X025	037240B040X025	50
1 1/2" - 1 1/4"	55	17	038240G040X032	037240B040X032	50
2" - 1/2"	65	28	038240G050X015	037240B050X015	36
2" - 3/4"	65	26	038240G050X020	037240B050X020	36
2" - 1"	65	24	038240G050X025	037240B050X025	30
2" - 1 1/4"	65	22	038240G050X032	037240B050X032	30
2" - 1 1/2"	65	22	038240G050X040	037240B050X040	30
2 1/2" - 1"	74	30	040240G065X025	039240B065X025	20
2 1/2" - 1 1/4"	74	28	040240G065X032	039240B065X032	20
2 1/2" - 1 1/2"	74	28	040240G065X040	039240B065X040	16
2 1/2" - 2"	74	23	040240G065X050	039240B065X050	16
3" - 1 1/2"	80	31	040240G080X040	039240B080X040	12
3" - 2"	80	26	040240G080X050	039240B080X050	12
3" - 2 1/2"	80	23	040240G080X065	039240B080X065	12
4" - 2"	94	34	040240G100X050	039240B100X050	6
4" - 2 1/2"	94	31	040240G100X065	039240B100X065	6
4" - 3"	94	28	040240G100X080	039240B100X080	6

(Fig. 241) Reducing Bush


Dimension	A	S	Z	Stock Code Galvanised	Stock Code Black	Box Qty
3/8" - 1/2"	20	19	13	038241G010X006	037241B010X006	
3/8" - 1/4"	20	19	10	038241G010X008	037241B010X008	800
1/2" - 1/4"	24	23	14	038241G015X008	037241B015X008	600
1/2" - 3/8"	24	22	14	038241G015X010	037241B015X010	600
3/4" - 1/4"	26	30	16	038241G020X008	037241B020X008	300
3/4" - 3/8"	26	36	17	038241G020X010	037241B020X010	300
3/4" - 1/2"	26	30	13	038241G020X015	037241B020X015	320
1" - 1/4"	29	38	19	038241G025X008	037241B025X008	
1" - 3/8"	29	38	19	038241G025X010	037241B025X010	180
1" - 1/2"	29	38	16	038241G025X015	037241B025X015	180
1" - 3/4"	29	38	14	038241G025X020	037241B025X020	180
1 1/4" - 3/8"	31	46	21	038241G032X010	037241B032X010	150

Dimension	A	S	Z	Stock Code Galvanised	Stock Code Black	Box Qty
1 1/4" - 1/2"	31	46	18	038241G032X015	037241B032X015	120
1 1/4" - 3/4"	31	46	16	038241G032X020	037241B032X020	120
1 1/4" - 1"	31	46	16	038241G032X025	037241B032X025	120
1 1/2" - 1/2"	31	50	18	038241G040X015	037241B040X015	60
1 1/2" - 3/4"	31	50	16	038241G040X020	037241B040X020	60
1 1/2" - 1"	31	50	14	038241G040X025	037241B040X025	80
1 1/2" - 1 1/4"	31	50	12	038241G040X032	037241B040X032	80
2" - 1/2"	48	65	35	038241G050X015	037241B050X015	50
2" - 3/4"	48	65	33	038241G050X020	037241B050X020	50
2" - 1"	35	65	20	038241G050X025	037241B050X025	50
2" - 1 1/4"	35	65	18	038241G050X032	037241B050X032	50
2" - 1 1/2"	35	64	18	038241G050X040	037241B050X040	30
2 1/2" - 1"	40	80	37	040241G065X025	039241B065X025	30
2 1/2" - 1 1/4"	40	80	35	040241G065X032	039241B065X032	30
2 1/2" - 1 1/2"	40	80	21	040241G065X040	039241B065X040	30
2 1/2" - 2"	40	80	16	040241G065X050	039241B065X050	30
3" - 1"	59	96	42	040241G080X025	039241B080X025	20
3" - 1 1/4"	59	97	40	040241G080X032	039241B080X032	20
3" - 1 1/2"	59	97	40	040241G080X040	039241B080X040	20
3" - 2"	44	97	20	040241G080X050	039241B080X050	20
3" - 2 1/2"	44	97	17	040241G080X065	039241B080X065	20
4" - 2"	69	122	46	040241G100X050	039241B100X050	10
4" - 2 1/2"	69	122	42	040241G100X065	039241B100X065	10
4" - 3"	51	122	21	040241G100X080	039241B100X080	10

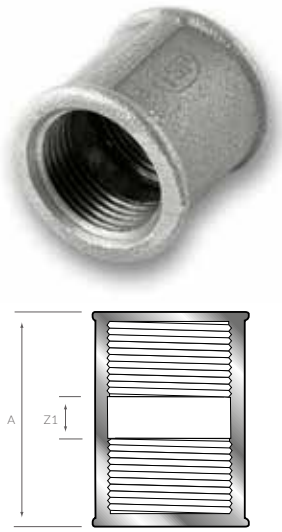
(Fig. 245) Reducing Hexagon Nipple


Dimension	A	S	Stock Code Galvanised	Stock Code Black	Box Qty
3/8" - 1/4"	38	19	038245G010X008	037245B010X008	400
1/2" - 1/4"	44	27	038245G015X008	037245B015X008	280
1/2" - 3/8"	44	22	038245G015X010	037245B015X010	280
3/4" - 3/8"	47	30	038245G020X010	037245B020X010	200
3/4" - 1/2"	47	30	038245G020X015	037245B020X015	160
1" - 1/2"	53	36	038245G025X015	037245B025X015	120
1" - 3/4"	53	36	038245G025X020	037245B025X020	120
1 1/4" - 1/2"	57	50	038245G032X015	037245B032X015	80
1 1/4" - 3/4"	57	46	038245G032X020	037245B032X020	80
1 1/4" - 1"	57	46	038245G032X025	037245B032X025	80
1 1/2" - 3/4"	59	60	038245G040X020	037245B040X020	60

**(Fig. 245) Reducing Hexagon Nipple
(Continued)**

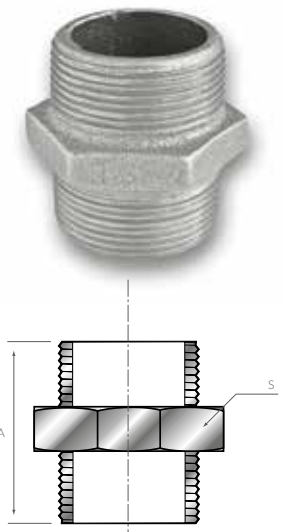
Dimension	A	S	Galvanised	Black	Qty
3/2" - 1/4"	38	19	038245G040X008	037245B040X008	400
1 1/2" - 1/4"	59	50	038245G040X032	037245B040X032	50
2" - 1"	68	65	038245G050X025	037245B050X025	40
2" - 1 1/4"	68	65	038245G050X032	037245B050X032	40
2" - 1 1/2"	68	65	038245G050X040	037245B050X040	36
2 1/2" - 1 1/2"	71	-	040245G065X040	039245B065X040	20
2 1/2" - 2"	75	90	040245G065X050	039245B065X050	20
3" - 2"	83	100	040245G080X050	039245B080X050	12
3" - 2 1/2"	83	100	040245G080X065	039245B080X065	12

(Fig. 270) Socket



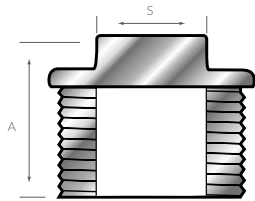
Dimension	A	Z1	Stock Code Galvanised	Stock Code Black	Box Qty
1/4"	27	7	038270G008	037270B008	480
3/8"	30	10	038270G010	037270B010	400
1/2"	36	10	038270G015	037270B015	240
3/4"	39	9	038270G020	037270B020	160
1"	45	11	038270G025	037270B025	100
1 1/4"	50	12	038270G032	037270B032	64
1 1/2"	55	17	038270G040	037270B040	36
2"	65	17	038270G050	037270B050	24
2 1/2"	74	20	040270G065	039270B065	16
3"	80	20	040270G080	039270B080	12
4"	94	22	040270G100	039270B100	6

(Fig. 280) Hexagon Nipple



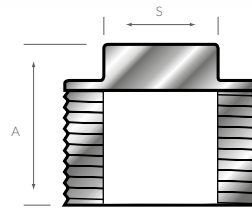
Dimension	A	S	Stock Code Galvanised	Stock Code Black	Box Qty
1/4"	36	19	038280G008	037280B008	600
3/8"	38	22	038280G010	037280B010	400
1/2"	44	27	038280G015	037280B015	280
3/4"	47	34	038280G020	037280B020	180
1"	53	41	038280G025	037280B025	120
1 1/4"	57	50	038280G032	037280B032	80
1 1/2"	59	54	038280G040	037280B040	50
2"	68	69	038280G050	037280B050	36
2 1/2"	75	85	040280G065	039280B065	20
3"	83	99	040280G080	039280B080	12
4"	95	131	040280G100	039280B100	6

(Fig. 290) Square Head Beaded Plug



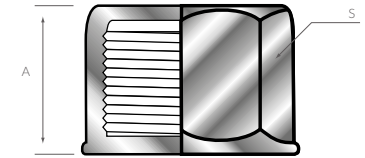
Dimension	C	S	Stock Code Galvanised	Stock Code Black	Box Qty
1/4"	22	9	038290G008	037290B008	800
3/8"	24	10	038290G010	037290B010	600
1/2"	26	12	038290G015	037290B015	360
3/4"	32	17	038290G020	037290B020	200
1"	36	20	038290G025	037290B025	120
1 1/4"	39	22	038290G032	037290B032	80
1 1/2"	41	22	038290G040	037290B040	70
2"	48	27	038290G050	037290B050	40
2 1/2"	54	32	040290G065	039290B065	32
3"	60	36	040290G080	039290B080	20
4"	70	41	040290G100	039290B100	12

(Fig. 291) Square Head Plug



Dimension	A	S	Stock Code Galvanised	Stock Code Black	Box Qty
1/4"	14	9	038291G008	037291B008	800
3/8"	15	10	038291G010	037291B010	600
1/2"	18	12	038291G015	037291B015	360
3/4"	20	17	038291G020	037291B020	200
1"	23	20	038291G025	037291B025	120
1 1/4"	29	22	038291G032	037291B032	80
1 1/2"	30	22	038291G040	037291B040	70
2"	36	27	038291G050	037291B050	40
2 1/2"	39	32	040291G065	039291B065	32
3"	44	36	040291G080	039291B080	20
4"	58	41	040291G100	039291B100	12

(Fig. 300) Cap

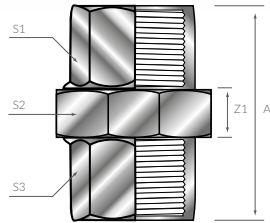


Dimension	A	S	Stock Code Galvanised	Stock Code Black	Box Qty
1/4"	23	23	038301G008	037301B008	800
3/8"	24	24	038301G010	037301B010	720
1/2"	26	26	038301G015	037301B015	400
3/4"	31	30	038301G020	037301B020	200
1"	30	31	038301G025	037301B025	160
1 1/4"	28	31	038301G032	037301B032	120
1 1/2"	30	32	038301G040	037301B040	80
2"	32	24	038301G050	037301B050	40
2 1/2"	35	36	040301G065	039301B065	60
3"	42	40	040301G080	039301B080	30
4"	46	42	040301G100	039301B100	20

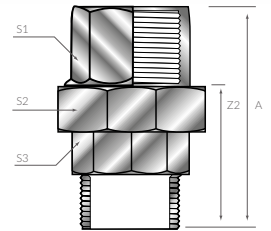
(Fig. 310) Backnut



(Fig. 340) Taper Seat Union



(Fig. 341) Male/Female Union

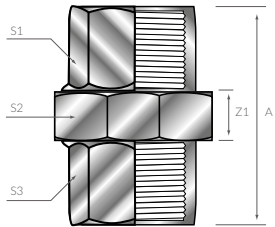


Dimension	A	S	Stock Code Galvanised	Stock Code Black	Box Qty
1/2"	9	32	038310G015	037310B015	600
3/4"	10	36	038310G020	037310B020	360
1"	11	46	038310G025	037310B025	240
1 1/4"	12	55	038310G032	037310B032	180
1 1/2"	13	60	038310G040	037310B040	140
2"	14	75	038310G050	037310B050	80
2 1/2"	16	95	040310G065	039310B065	40
3"	22	105	040310G080	039310B080	40

Dimension	A	S1	S2	S3	Z1	Stock Code Galvanised	Stock Code Black	Box Qty
1/4"	42	19	28	10	22	038340G008	037340B008	240
3/8"	45	22	32	12	28	038340G010	037340B010	140
1/2"	48	26	42	26	22	038340G015	037340B015	80
3/4"	52	31	50	31	22	038340G020	037340B020	60
1"	58	38	55	38	24	038340G025	037340B025	40
1 1/4"	65	48	68	48	27	038340G032	037340B032	30
1 1/2"	70	54	75	54	32	038340G040	037340B040	20
2"	78	65	90	65	30	038340G050	037340B050	12
2 1/2"	85	85	110	85	31	040340G065	039340B065	8
3"	95	95	130	95	35	040340G080	039340B080	8
4"	110	122	150	122	38	040340G100	039340B100	4

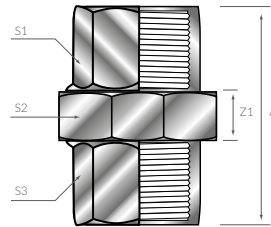
Dimension	A	S1	S2	S3	Z2	Stock Code Galvanised	Stock Code Black	Box Qty
1/4"	55	19	28	15	45	038341G008	037341B008	240
3/8"	59	22	32	20	49	038341G010	037341B010	140
1/2"	66	26	42	26	53	038341G015	037341B015	80
3/4"	72	31	50	31	57	038341G020	037341B020	60
1"	80	38	55	38	63	038341G025	037341B025	40
1 1/4"	90	48	68	47	71	038341G032	037341B032	30
1 1/2"	95	54	75	53	76	038341G040	037341B040	20
2"	106	65	90	65	82	038341G050	037341B050	12
2 1/2"	122	85	110	85	95	040341G065	039341B065	6
3"	130	95	130	95	100	040341G080	039341B080	6
4"	153	120	151	120	117	040341G100	039341B100	2

(Fig. 342) Single Bronze Spherical/Taper Seat Union



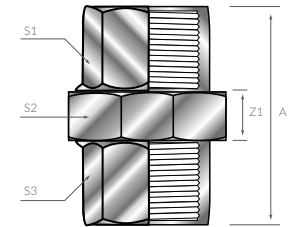
Dimension	A	S1	S2	S3	Z1	Stock Code Galvanised	Stock Code Black	Box Qty
½"	44	24	37	23	17	038342G015	037342B015	80
¾"	50	28	44	26	18	038342G020	037342B020	60
1"	53	32	53	26	20	038342G025	037342B025	40
1¼"	58	34	64	29	22	038342G032	037342B032	30
1½"	61	37	75	30	25	038342G040	037342B040	20
2"	70	40	90	36	27	038342G050	037342B050	12

(Fig. 342A) Double Bronze Spherical/Taper Seat Union



Dimension	A	S1	S2	S3	Z1	Stock Code Galvanised	Stock Code Black	Box Qty
½"	44	24	37	23	17	038342AG015	037342AB015	80
¾"	50	28	44	26	18	038342AG020	037342AB020	60
1"	53	32	53	26	20	038342AG025	037342AB025	40
1¼"	58	34	64	29	22	038342AG032	037342AB032	30
1½"	61	36	75	30	25	038342AG040	037342AB040	20
2"	70	40	90	36	27	038342AG050	037342AB050	12

(Fig. 343) Spherical/Taper Seat Union



Dimension	A	S1	S2	S3	Z2	Stock Code Galvanised	Stock Code Black	Box Qty
½"	44	24	37	23	17	038343G015	037343B015	80
¾"	50	28	44	26	18	038343G020	037343B020	60
1"	53	32	53	26	20	038343G025	037343B025	40
1¼"	58	34	64	29	22	038343G032	037343B032	30
1½"	61	36	72	30	25	038343G040	037343B040	20
2"	70	40	87	36	27	038343G050	037343B050	12





Your distributor:



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July 2021

