

AN ISO 9001:2015 CERTIFIED COMPANY



One Stop
for multiple plumbing solution
under one roof

Fitwell™



GI

Pipes Fittings



FITWELL POLYTECHNIK PVT. LTD.
(GOVERNMENT RECOGNISED EXPORT HOUSE)

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The Complete
Plumbing solution

ABOUT FITWELL

We are a group of Three manufacturing company. The group slowly but steadily diversified and started the manufacturing of cPVC, uPVC, SWR, Agri Pipe & Fittings, CP Fittings, Brass Fittings & C.I, M.I, G.I Pipe Fittings, Forged Pipe Fittings. established its products successfully both in indian & foreign markets.

Our group of company was established in 1998. We are one of the leading manufacturers of cPVC, uPVC, SWR, Agri Pipe & Fittings, CP Fittings, Brass Fittings & C.I, M.I, G.I Pipe Fittings, Forged Pipe Fittings. The factory has the necessary facilities for casting according to international standard. Threading as per standard and up to date inspection of testing chemical and physical properties is undertaken.

We are having a team of highly qualified and experienced engineers for quality maintenance & consistent research development efforts are made through rigid quality control tests.

Fitwell™ Brand ISI pipe Fittings enjoy a good reputation for its quality and durability all over India & Abroad. It has the unique distinction of being sought after in Government departments, Municipal Corporations and oil Plants. Our factory is equipped with the most up to date and sophisticated instruments for chemical and physical testing. The quality control is rigidly enforced through out the production process to ensure that the finished products are of the highest possible quality.

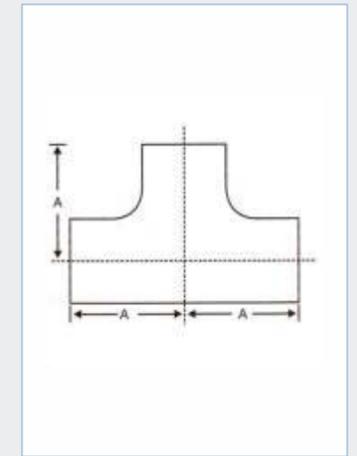
Fitwell™ Brand ISI Pipe Fittings are dependable beyond doubt. These are also exported to various countries, On account of consistent Quality **Fitwell™** Brand ISI marked Pipe Fittings, Enjoy a great reputation in International Market With British International Organisation, Indian and American Standards.

Beautiful Design Reliable Performance.
Affordable Price.

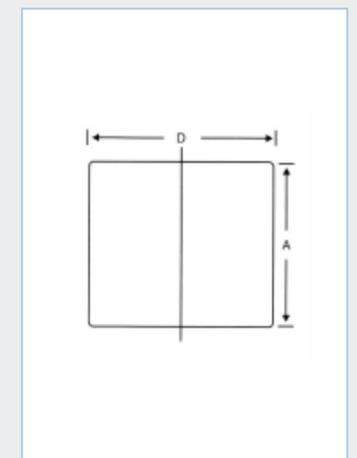
With Fitwell, You Get The Whole Package

Made In India

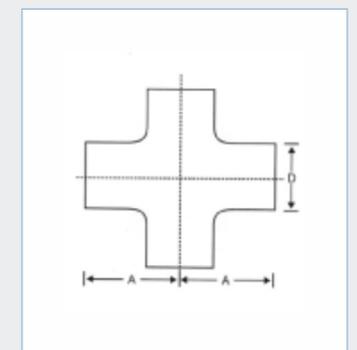
TEE	Size in Inch	Size in mm	A mm	D mm
	1/2	15	29	30
	3/4	20	34	34
	1	25	39	41
	1.1/4	32	46	50
	1.1/2	40	50	56
	2	50	59	70
	2.1/2	65	70	86
	3	80	79	99
	4	100	97	126
	5	125	116	162
	6	150	132	185



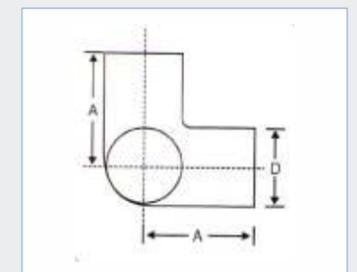
SOCKET	Size in Inch	Size in mm	A mm	D mm
	1/2	15	36	29
	3/4	20	39	34
	1	25	45	41
	1.1/4	32	50	50
	1.1/2	40	50	56
	2	50	65	70
	2.1/2	65	74	86
	3	80	80	99
	4	100	94	126
	5	125	110	158
	6	150	121	184



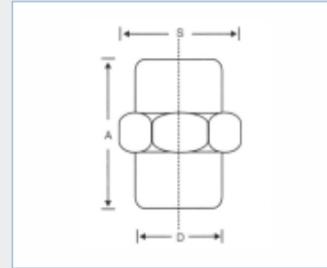
CROSS	Size in Inch	Size in mm	A mm	D mm
	1/2	15	29	29
	3/4	20	34	34
	1	25	39	41
	1.1/4	32	46	50
	1.1/2	40	51	56
	2	50	59	70
	2.1/2	65	70	86
	3	80	79	99



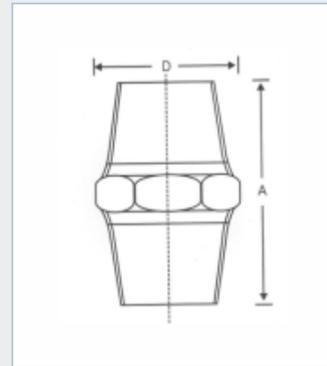
THREE WAY ELBOW	Size in Inch	Size in mm	A mm	D mm
	1/2	15	29	29
	3/4	20	34	34
	1	25	39	41
	1.1/4	32	46	50
	1.1/2	40	51	56
	2	50	59	70



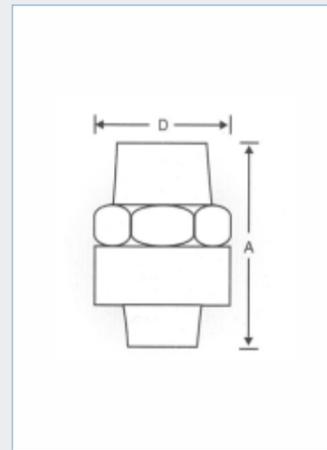
TANK NIPPLE	Size in Inch	Size in mm	A mm	D mm
	1/2	15	67	35
	3/4	20	69	40
	1	25	83	52
	1.1/4	32	92	60
	1.1/2	40	100	66
	2	50	108	84



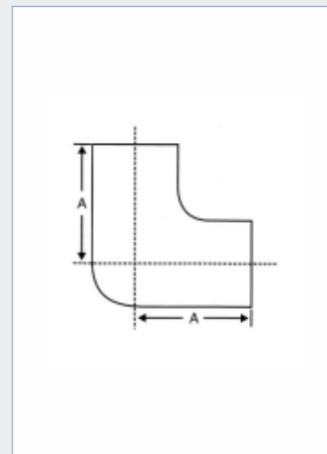
HEX NIPPLE	Size in Inch	Size in mm	A mm	D mm
	1/2	15	45	31
	3/4	20	48	35
	1	25	54	45
	1.1/4	32	58	57
	1.1/2	40	60	64
	2	50	69	81
	2.1/2	65	76	97
	3	80	84	110
	4	100	96	147



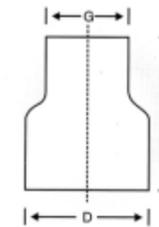
UNION	Size in Inch	Size in mm	A mm	D mm	S mm
	1/2	15	49	28	45
	3/4	20	52	34	50
	1	25	58	41	55
	1.1/4	32	66	50	71
	1.1/2	40	70	56	75
	2	50	79	70	92
	2.1/2	65	86	86	115
	3	80	96	99	132
	4	100	111	126	155
	5	125	135	155	187
	6	150	152	182	217



ELBOW	Size in Inch	Size in mm	A mm	D mm
	1/2	15	29	30
	3/4	20	34	34
	1	25	39	41
	1.1/4	32	46	50
	1.1/2	40	50	56
	2	50	59	70
	2.1/2	65	70	86
	3	80	79	99
	4	100	97	126
	5	125	116	162
	6	150	132	185



SOCKET REDUCING	Size in Inch	Size in mm	A mm	D mm	G mm
	3/4 x 1/2	20 x 15	39	35	29
	1 x 1/2	25 x 15	45	41	29
	1 x 3/4	25 x 20	46	41	29
	1.1/4 x 1.1/2	32 x 15	50	51	29
	1.1/4 x 3/4	32 x 20	50	51	35
	1.1/4 x 1	32 x 25	50	51	41
	1.1/2 x 1/2	40 x 15	55	56	28
	1.1/2 x 3/4	40 x 20	55	56	35
	1.1/2 x 1	40 x 25	55	56	41
	1.1/2 x 1/4	40 x 32	55	56	50
	2 x 1/2	50 x 15	66	70	29
	2 x 3/4	50 x 20	66	70	35
	2 x 1	50 x 25	66	70	41
	2 x 1.1/4	50 x 32	66	70	50
	2 x 1.1/2	50 x 40	66	70	56
	2.1/2 x 1/2	65 x 15	74	86	29
	2.1/2 x 3/4	65 x 20	74	86	35
	2.1/2 x 1	65 x 25	74	86	42
	2.1/2 x 1.1/4	65 x 32	74	86	51
	2.1/2 x 1.1/2	65 x 40	74	86	57
	2.1/2 x 2	65 x 50	74	86	70
	3 x 1/2	80 x 15	80	100	29
	3 x 3/4	80 x 20	80	100	35
	3 x 1	80 x 25	80	100	41
	3 x 1.1/4	80 x 32	80	100	51
	3 x 1.1/2	80 x 40	80	100	57
	3 x 2	80 x 50	80	100	70
	3 x 2.1/2	80 x 65	80	100	86
	4 x 1/2	100 x 15	94	126	29
	4 x 3/4	100 x 20	94	126	35
	4 x 1	100 x 25	94	126	41
	4 x 1.1/4	100 x 32	94	126	51
	4 x 1.1/2	100 x 40	94	126	56
	4 x 2	100 x 50	94	126	71
	4 x 2.1/2	100 x 65	94	126	86
	4 x 3	100 x 80	94	126	100



WALL THICKNESS AND TOLERANCE											
Size Designation in mm	15	20	25	32	40	50	65	80	100	125	150
Size Designation in Inch	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
Thickness in mm	2.5	3.0	3.0	3.5	3.5	4.0	4.5	5.0	6.0	6.5	7.5
Tolerance in mm	-0.5	-0.7	-0.7	-0.7	-0.7	-0.7	-1.0	-1.0	-1.0	-1.0	-1.0



Quality Control

Quality Pipe Fitting in India The process controls are rigidly enforced throughout the production time to ensure that finished pipe fitting products are of best quality pipe fittings in India.

Raw Material Testing

Important raw materials, other ingredients are tested, prior to their use, for their essential physical and chemical properties, in a well equipped laboratory to produce best quality products.

Raw Casting are inspected for freedom from any such defects as blow holes, hard spots, cold shuts, shifts and sand depth etc. Annealed Castings are inspected for cracks and distortion. Galvanized Castings are inspected to ensure that the zinc coating is smooth, clean, continuous and free from black and acid spots. Machined fittings are inspected for any such defects on the threaded portions as thin threads, break threads, fins and pin holes.

Mechanical Tests

Malleability test by sampling method (By sampling Method) We carry out various tests during the course of production of best quality pipe fittings products includes the following To ensure that the **Fitwell** Pipe Fittings are properly malleabilised, we carry out the Malleability test.

To ensure that the **Fitwell** Pipe Fittings are properly heat treated and have acquired desired tensile strength and elasticity, we carry out the Tensile Test. To ensure that the **Fitwell** Pipe Fittings do not leak when subjected to a given internal fluid pressure, pressure test is carried out.

TOLERANCES		
DIMENSION		TOLERANCES
(A) Above mm	(B) Upto and including mm	mm
.....	30	± 1.5
30	50	± 2.0
50	75	± 2.5
75	100	± 3.0
100	150	± 3.5
150	200	± 4.0
200	± 5.0

(A) Center to face dimension applies to Elbows, Tee etc.
 (B) Face to face dimension applies to Sockets, Union etc.



TEE REDUCING	Size in Inch	Size in mm	A mm	B mm	D mm	G mm
	3/4 x 1/2 x 3/4	20 x 15 x 20	30	31	34	29
	1 x 1/2 x 1	25 x 15 x 25	33	35	41	29
	1 x 3/4 x 1	25 x 20 x 25	35	36	41	34
	1.1/4 x 1.1/2 x 1.1/4	32 x 15 x 32	34	38	50	29
	1.1/4 x 3/4 x 1.1/4	32 x 20 x 32	36	41	50	35
	1.1/4 x 1 x 1.1/4	32 x 25 x 32	40	42	50	41
	1.1/2 x 1/2 x 1.1/2	40 x 15 x 40	36	42	56	29
	1.1/2 x 3/4 x 1.1/2	40 x 20 x 40	38	45	56	35
	1.1/2 x 1 x 1.1/2	40 x 25 x 40	42	46	56	41
	1.1/2 x 1/4 x 1.1/2	40 x 32 x 40	46	48	56	51
	2 x 1/2 x 2	50 x 15 x 50	38	48	70	29
	2 x 3/4 x 2	50 x 20 x 50	40	50	70	35
	2 x 1 x 2	50 x 25 x 50	44	52	70	41

ELBOW REDUCING	Size in Inch	Size in mm	A mm	B mm	D mm	N mm
	3/4 x 1/2	20 x 15	30	31	35	29
	1 x 1/2	25 x 15	32	34	41	29
	1 x 3/4	25 x 20	35	36	41	34
	1.1/4 x 1.1/2	32 x 15	36	41	51	29
	1.1/4 x 3/4	32 x 20	40	42	51	35
	1.1/4 x 1	32 x 25	40	42	51	41
	1.1/2 x 1/2	40 x 15	36	42	56	28
	1.1/2 x 3/4	40 x 20	39	44	56	35
	1.1/2 x 1	40 x 25	42	46	56	41
	1.1/2 x 1/4	40 x 32	46	48	56	50
	2 x 1/2	50 x 15	38	48	70	28
	2 x 3/4	50 x 20	41	50	70	35
	2 x 1	50 x 25	44	52	70	41
	2 x 1.1/4	50 x 32	48	54	70	50
	2 x 1.1/2	50 x 40	52	55	70	56
	2.1/2 x 1/2	65 x 15	42	58	86	28
	2.1/2 x 3/4	65 x 20	45	59	86	35
	2.1/2 x 1	65 x 25	48	60	86	41
	2.1/2 x 1.1/4	65 x 32	52	62	86	51
	2.1/2 x 1.1/2	65 x 40	55	63	86	57
	2.1/2 x 2	65 x 50	61	66	86	70
	3 x 2	80 x 20	64	73	100	70
	3 x 2.1/2	80 x 25	72	76	100	86
	4 x 2	100 x 50	70	86	125	71
	4 x 3	100 x 80	84	92	125	100