COUPLING FORGED FITTING

D-LINE® Forged steel fittings are manufactured in process allows to develop products with a consistent and unyielding quality. We mantain a strict quality control under the ASME B16.11, MSS SP-79, MSS SP-83, and MSS SP-97 requirements making our manufacturing process one of the best in the market.

All D-LINE® carbon forged steel fittings are zinc-phosphate coated for superior corrosion resistance.

APPLICATIONS

D-LINE® Forged fittings serve multi-national end users in a wide range of applications in many industries including:

- Water Treatment
- Mining
- Chemical & Petrochemical
- Ship Building Industries
- Public Services
- Pipe Engineering
- Fire Protection
- General Industries
- Food Industries

DESIGN FEATURES

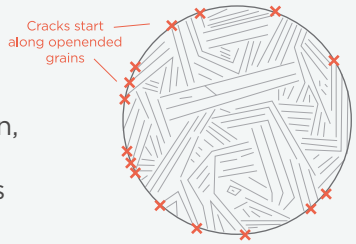
- Carbon Steel: ASTM A-105
- Class 3000 & 6000
- Dimensions to per ASME B16.11
- Thread to per ASME B1.20.1
- NPT & SW ends available
- Sour gas service to per NACE MR-0175

FORGED STEEL ADVANTAGES

Forged steel offers a great advantage against casting or plating:

- Saving machining hours
- Better metallic yield
- Improving the grain structure
- Directional flow that enables the improvement of impact and mechanical resistance properties

CAST
[Random Grains]



FORGED
[Aligned Grains]

ASTM forged carbon steel grade A-105 is a low carbon, manganese and silicon containing steel. Forged steel fittings are manufactured in a process where metals is molded by applying pressure.

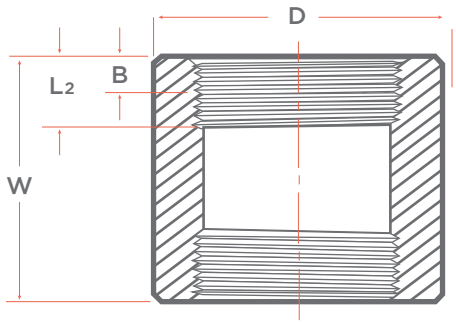
D-LINE® offers the complete product line of forged steel fittings including:

- Elbows
- Couplings
- Tees
- Unions
- Reducers
- Caps & Plugs
- Laterals
- Cross
- Outlets and more

www.dlineproducts.com | sales@dlineproducts.com

DIMENSIONS

THREADED NPT



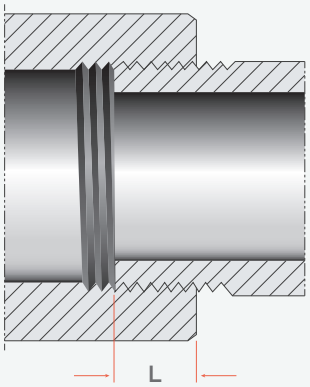
CLASS 3000 DIMENSIONS AND WEIGHTS												
Size	**1/8”**	**1/4”**	**3/8”**	**1/2”**	**3/4”**	**1”**	**1-1/4”**	**1-1/2”**	**2”**	**2-1/2”**	**3”**	**4”**
D	0.63	0.75	0.87	1.10	1.30	1.73	2.24	2.52	2.99	3.62	4.25	5.51
W	1.26	1.38	1.89	1.89	2.01	2.36	2.64	3.11	3.39	3.62	4.25	4.76
B	0.25	0.32	0.36	0.43	0.50	0.58	0.67	0.70	0.75	0.93	1.02	1.09
L2	0.26	0.40	0.41	0.54	0.55	0.68	0.72	0.72	0.76	1.14	1.20	1.30
WEIGHT (KG)	0.10	0.10	0.13	0.24	0.34	0.51	0.77	1.03	1.59	2.79	4.80	14.5

Dimensions are expressed in inches
Weight is estimated

CLASS 6000 DIMENSIONS AND WEIGHTS								
Size	**1/2”**	**3/4”**	**1”**	**1-1/4”**	**1-1/2”**	**2”**	**2-1/2”**	**3”**
D	0.98	1.10	1.38	1.73	2.01	2.13	2.52	3.27
W	1.89	2.01	2.36	2.64	3.11	3.39	3.62	4.25
B	0.43	0.50	0.58	0.67	0.70	0.75	0.93	1.02
L2	0.54	0.55	0.68	0.72	0.72	0.76	1.14	1.20
WEIGHT (KG)	0.46	0.73	1.13	1.50	2.29	3.47	6.21	9.52

Dimensions are expressed in inches
Weight is estimated

LENGTH OF THREAD SCREWED INTO FITTING

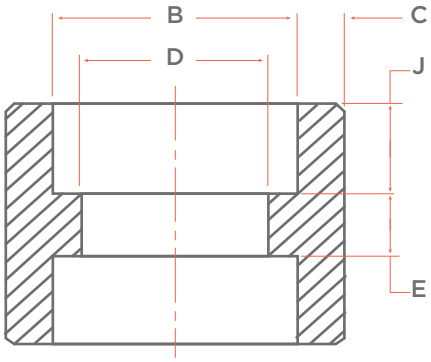


SIZE	L
1/8”	0.273
1/4”	0.395
3/8”	0.407
1/2”	0.534
3/4”	0.553
1”	0.661
1-1/4”	0.681
1-1/2”	0.681

SIZE	L
2”	0.697
2-1/2”	0.933
3”	1.016
3-1/2”	1.071
4”	1.094
5”	1.187
6”	1.208
8”	1.313

DIMENSIONS

SOCKET WELD



CLASS 3000 DIMENSIONS AND WEIGHTS												
Size		1/8”	1/4”	3/8”	1/2”	3/4”	1”	1-1/4”	1-1/2”	2”	2-1/2”	3”	4”
B	Max.	0.44	0.58	0.71	0.88	1.09	1.35	1.70	1.94	2.43	2.93	3.56	4.57
	Min.	0.42	0.56	0.69	0.86	1.07	1.33	1.68	1.92	2.41	2.91	3.54	4.55
D	Max.	0.30	0.39	0.52	0.65	0.85	1.08	1.41	1.64	2.10	2.53	3.13	4.09
	Min.	0.24	0.33	0.46	0.59	0.79	1.02	1.35	1.58	2.04	2.41	3.01	3.97
C	Avg.	0.13	0.15	0.16	0.18	0.19	0.22	0.24	0.25	0.27	0.35	0.38	0.42
	Min.	0.13	0.13	0.14	0.16	0.17	0.20	0.21	0.22	0.24	0.30	0.33	0.37
E	Min.	0.25	0.25	0.25	0.38	0.38	0.50	0.50	0.50	0.75	0.75	0.75	0.75
J	Min.	0.38	0.38	0.38	0.38	0.50	0.50	0.50	0.50	0.62	0.62	0.62	0.75
WEIGHT (KG)		0.06	0.07	0.09	0.015	0.22	0.43	0.85	1.08	1.64	2.32	3.60	6.40

Dimensions are expressed in inches
Weight is estimated

CLASS 3000 DIMENSIONS AND WEIGHTS											
Size		1/4”	3/8”	1/2”	3/4”	1”	1-1/4”	1-1/2”	2”	2-1/2”	3”
B	Max.	0.58	0.71	0.88	1.09	1.35	1.70	1.94	2.43	2.93	3.56
	Min.	0.56	0.69	0.86	1.07	1.33	1.68	1.92	2.41	2.91	3.54
D	Max.	0.39	0.52	0.49	0.64	0.85	1.19	1.37	1.72	2.53	3.13
	Min.	0.33	0.46	0.43	0.58	0.79	1.13	1.31	1.66	2.41	3.01
C	Avg.	0.15	0.16	0.23	0.27	0.31	0.31	0.35	0.43	0.35	0.38
	Min.	0.13	0.14	0.20	0.24	0.27	0.27	0.31	0.37	0.30	0.33
E	Min.	0.25	0.25	0.38	0.38	0.50	0.50	0.50	0.75	0.75	0.75
J	Min.	0.38	0.38	0.38	0.50	0.50	0.50	0.50	0.62	0.62	0.62
WEIGHT (KG)		0.11	0.14	0.29	0.45	0.96	1.30	2.00	3.40	5.00	6.70

Dimensions are expressed in inches
Weight is estimated

WELDING GAP AND MINIMUM FLAT DIMENSION