



D-LINE® Forged steel fittings are manufactured in process allows to develop products with a consistent and unyielding quality. We maintain a strict quality control under the ASME B16.11, MSS SP-79, and MSS SP-83 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-105N
- Class 3000
- 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:

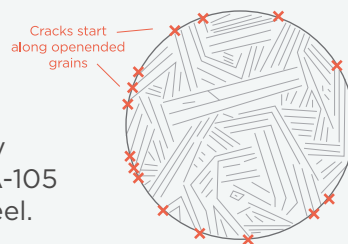
- Saving machining hours
- Better metallic yield
- Improving the grain structure
- Directional flow that enables the improvement of impact and mechanical resistance properties

A manufacturing process where metals is modeled by applying pressure. ASTM forged carbon steel grade A-105 is a low carbon, manganese and silicon containing steel.

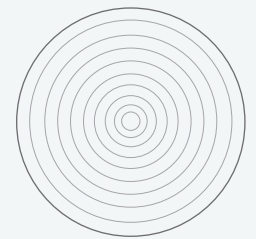
D-LINE® offers the complete product line of forged steel fittings including:

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

CAST [Random Grains]

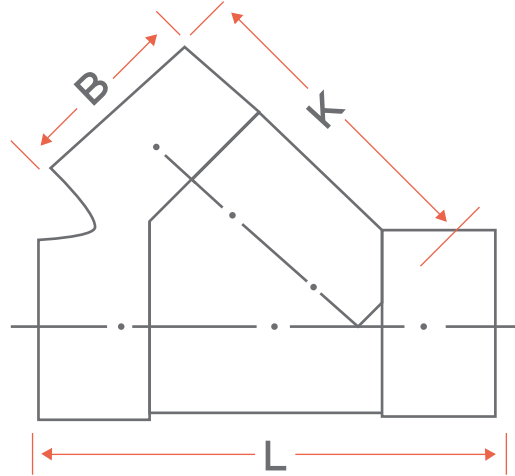


FORGED [Aligned Grains]



DIMENSIONS

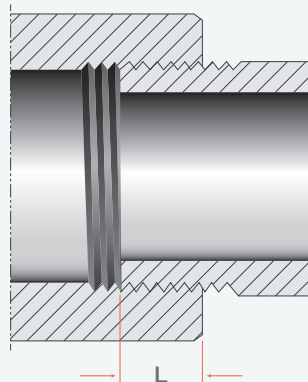
THREADED NPT



CLASS 3000 DIMENSIONS AND WEIGHTS						
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
L	3.50	3.93	4.47	4.83	5.80	7.64
B	1.58	1.94	2.20	2.45	3.05	3.39
K	2.50	2.90	3.43	3.82	4.66	5.50
WEIGHT (KG)	0.88	1.40	1.93	2.07	4.54	6.04

Dimensions are expressed in inches
Weight is estimated

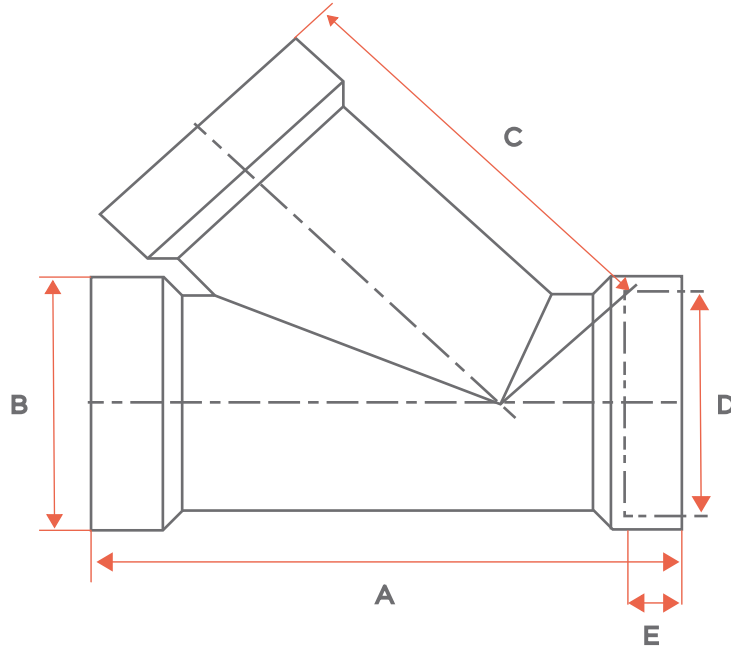
LENGTH OF THREAD SCREWED INTO FITTING



SIZE	L	SIZE	L
1/8"	0.273	2"	0.697
1/4"	0.395	2-1/2"	0.933
3/8"	0.407	3"	1.016
1/2"	0.534	3-1/2"	1.071
3/4"	0.553	4"	1.094
1"	0.661	5"	1.187
1-1/4"	0.681	6"	1.208
1-1/2"	0.681	8"	1.313

DIMENSIONS

SOCKET WELD



CLASS 3000 DIMENSIONS AND WEIGHTS						
Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A	3.02	3.47	3.92	4.47	4.82	5.75
B	1.34	1.56	1.89	2.25	2.45	3.03
C	2.10	2.41	2.70	3.22	3.50	4.20
D	0.86	1.07	1.33	1.70	1.92	2.41
E	0.38	0.50	0.50	0-50	0.50	0.63
WEIGHT (KG)	0.50	0.70	1.15	1.50	2.00	2.50

Dimensions are expressed in inches
Weight is estimated

WELDING GAP AND MINIMUM FLAT DIMENSION

