



D-LINE® carbon steel flanges have a yellow paint coating that improves their behavior against corrosive environments. D-LINE® stainless steel flanges are dual material which have a better performance in high stresses environments. Flanges are commonly used in petrochemical industries, pipe engineering, public services, and water works.

D-LINE® has the capacity to store and meet the market requirements with flanges including slip-on, welding neck, blind, threaded, socket weld, and lap joint types, from class 150 up to 2500, and they are manufactured as established by the ANSI / ASME B16.5 standards, and to resist sour services per NACE MR-0175.

APPLICATIONS

D-LINE® Flanges 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

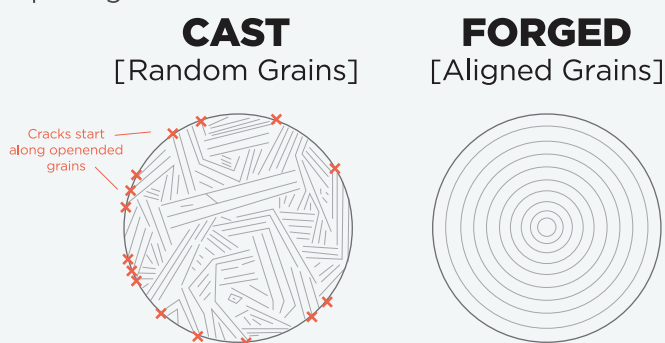
DESIGN FEATURES

- Carbon steel: A-105N
- Stainless steel: 304/304L & 316/316L
- Anticorrosive paint
- Normalized forged steel heat treatment
- ANSI Class 150 up to 300
- Dimensions to per ANSI/ASME B16.5 (1/2" - 12")
- FF Available
- Sour gas service to per NACE MR-0175

FORGED STEEL ADVANTAGES

Forged steel offers a great advantage against casting or plating:

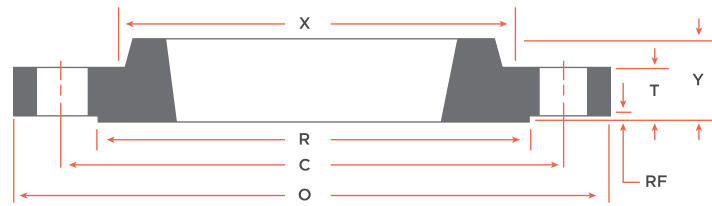
- Saving machining hours
- Better metallic yield
- Improving the grain structure
- Directional flow that enables the improvement of impact and mechanical resistance properties



In accordance to ASME B16.5 and ASME B16.47, **normalizing heat treatment** must be done to all flanges above class 300 for A-105 material. All D-LINE® Flanges from class 150 up to 2500, are manufactured and normalized to increase the quality of our products making the flange to have a better strength and better performance in low temperatures services.

DIMENSIONS

ANSI/ASME B16.5 CLASS 150



FLANGES DIMENSIONS & WEIGHTS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O)	THICKNESS (T)	RAISED FACE DIAMETER (R)	LENGTH THRU HUB (Y)	HUB DIAMETER (X)	NUMBER OF HOLES	DIAMETER OF HOLES	BOLT CIRCLE (C)	APPROXIMATE WEIGHT (lbs)
1/2"	3.50	0.44	1.38	0.63	1.19	4	0.63	2.38	1.00
3/4"	3.88	0.50	1.69	0.63	1.50	4	0.63	2.75	2.00
1"	4.25	0.56	2.00	0.69	1.94	4	0.63	3.13	2.00
1 1/4"	4.63	0.63	2.50	0.81	2.31	4	0.63	3.50	3.00
1 1/2"	5.00	0.69	2.88	0.88	2.56	4	0.63	3.88	3.00
2"	6.00	0.75	3.63	1.00	3.06	4	0.75	4.75	5.00
2 1/2"	7.00	0.88	4.13	1.13	3.56	4	0.75	5.50	7.00
3"	7.50	0.94	5.00	1.19	4.25	4	0.75	6.00	8.00
3 1/2"	8.50	0.94	5.50	1.25	4.81	8	0.75	7.00	11.00
4"	9.00	0.94	6.19	1.31	5.31	8	0.75	7.50	13.00
5"	10.00	0.94	7.13	1.44	6.44	8	0.88	8.50	15.00
6"	11.00	1.00	8.50	1.56	7.56	8	0.88	9.50	19.00
8"	13.50	1.13	10.63	1.75	9.69	8	0.88	11.75	30.00
10"	16.00	1.19	12.75	1.94	12.00	12	1.00	14.25	43.00
12"	19.00	1.25	15.00	2.19	14.38	12	1.00	17.00	64.00
14"	21.00	1.38	16.25	2.25	15.75	12	1.13	18.75	90.00
16"	23.50	1.44	18.50	2.50	18.00	16	1.13	21.25	98.00
18"	25.00	1.56	21.00	2.69	19.88	16	1.25	22.75	130.00
20"	27.50	1.69	23.00	2.88	22.00	20	1.25	25.00	165.00
22"	29.50	1.81	25.25	3.13	24.25	20	1.38	27.25	185.00
24"	32.00	1.88	27.25	3.25	26.13	20	1.38	29.50	220.00

*ALL DIMENSIONS ARE IN INCHES

*THESE FLANGES WILL BE FURNISHED WITH A 1/16" RAISED FACE UNLESS OTHERWISE SPECIFIED.

*FLAT FACE OPTION AVAILABLE

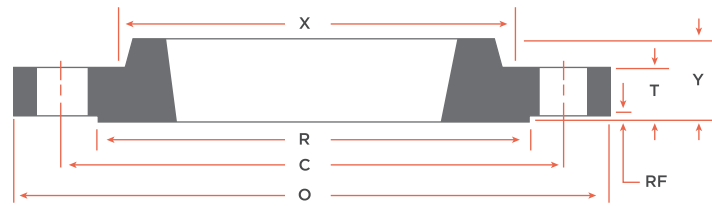
*WEIGHT IS ESTIMATED



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DIMENSIONS

ANSI / ASME B16.5 CLASS 300



FLANGES DIMENSIONS & WEIGHTS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O)	THICKNESS (T)	RAISED FACE DIAMETER (R)	LENGTH THRU HUB (Y)	HUB DIAMETER (X)	NUMBER OF HOLES	DIAMETER OF HOLES	BOLT CIRCLE (C)	APPROXIMATE WEIGHT (lbs)
1/2"	3.75	0.56	1.38	0.88	1.50	4	0.63	2.63	2.00
3/4"	4.63	0.63	1.69	1.00	1.88	4	0.75	3.25	3.00
1"	4.88	0.69	2.00	1.06	2.13	4	0.75	3.50	3.00
1 1/4"	5.25	0.75	2.50	1.06	2.50	4	0.75	3.88	4.00
1 1/2"	6.13	0.81	2.88	1.19	2.75	4	0.88	4.50	6.00
2"	6.50	0.88	3.63	1.31	3.31	8	0.75	5.00	7.00
2 1/2"	7.50	1.00	4.13	1.50	3.94	8	0.88	5.88	10.00
3"	8.25	1.13	5.00	1.69	4.63	8	0.88	6.63	13.00
3 1/2"	9.00	1.19	5.50	1.75	5.25	8	0.88	7.75	17.00
4"	10.00	1.25	6.19	1.88	5.75	8	0.88	7.88	22.00
5"	11.00	1.38	7.13	2.00	7.00	8	0.88	9.25	28.00
6"	12.50	1.44	8.50	2.06	8.13	12	0.88	10.63	29.00
8"	15.00	1.63	10.63	2.44	10.25	12	1.00	13.00	58.00
10"	17.50	1.88	12.75	2.62	12.63	16	1.13	15.25	81.00
12"	20.50	2.00	15.00	2.88	14.75	16	1.25	17.75	115.00
14"	23.00	2.13	16.25	3.00	16.75	20	1.25	20.25	165.00
16"	25.50	2.25	18.50	3.25	19.00	20	1.38	22.50	190.00
18"	28.00	2.38	21.00	3.50	21.00	24	1.38	24.75	250.00
20"	30.50	2.50	23.00	3.75	23.13	24	1.38	27.00	315.00
22"	33.00	2.63	25.25	4.00	25.25	24	1.63	29.25	370.00
24"	36.00	2.75	27.25	4.19	27.63	24	1.63	32.00	475.00

*ALL DIMENSIONS ARE IN INCHES

*THESE FLANGES WILL BE FURNISHED WITH A 1/16" RAISED FACE UNLESS OTHERWISE SPECIFIED.

*FLAT FACE OPTION AVAILABLE

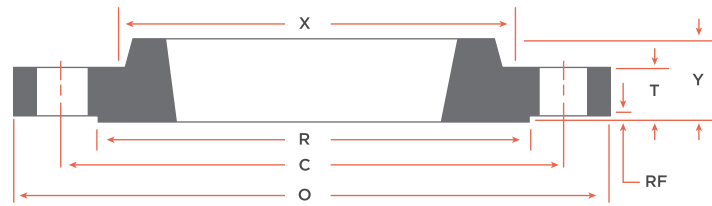
*WEIGHT IS ESTIMATED



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DIMENSIONS

ANSI / ASME B16.5 CLASS 600



FLANGES DIMENSIONS & WEIGHTS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O)	THICKNESS (T)	RAISED FACE DIAMETER (R)	LENGTH THRU HUB (Y)	HUB DIAMETER (X)	NUMBER OF HOLES	DIAMETER OF HOLES	BOLT CIRCLE (C)	APPROXIMATE WEIGHT (lbs)
1/2"	3.75	0.56	1.38	0.88	1.50	4	0.63	2.63	2.00
3/4"	4.63	0.63	1.69	1.00	1.88	4	0.75	3.25	3.00
1"	4.88	0.69	2.00	1.06	2.13	4	0.75	3.50	4.00
1 1/4"	5.25	0.81	2.50	1.13	2.50	4	0.75	3.88	5.00
1 1/2"	6.13	0.88	2.88	1.25	2.75	4	0.88	4.50	7.00
2"	6.50	1.00	3.63	1.44	3.31	8	0.75	5.00	9.00
2 1/2"	7.50	1.13	4.13	1.63	3.94	8	0.88	5.88	13.00
3"	8.25	1.25	5.00	1.81	4.63	8	0.88	6.63	16.00
3 1/2"	9.00	1.38	5.50	1.94	5.25	8	1.00	7.75	21.00
4"	10.75	1.50	6.19	2.13	6.00	8	1.00	8.50	37.00
5"	13.00	1.75	7.13	2.38	7.44	8	1.13	10.50	63.00
6"	14.00	1.88	8.50	2.63	8.75	12	1.13	11.50	80.00
8"	16.50	2.19	10.63	3.00	10.75	12	1.25	13.75	115.00
10"	20.00	2.50	12.75	3.38	13.50	16	1.38	17.00	170.00
12"	22.00	2.63	15.00	3.63	15.75	20	1.38	19.25	200.00
14"	23.75	2.75	16.25	3.69	17.00	20	1.50	20.25	230.00
16"	27.00	3.00	18.50	4.19	19.50	20	1.63	23.75	330.00
18"	29.25	3.25	21.00	4.63	21.50	20	1.75	25.75	400.00
20"	32.00	3.50	23.00	5.00	24.00	24	1.75	28.50	510.00
22"	34.25	3.75	25.25	5.25	26.25	24	1.88	30.63	590.00
24"	37.00	4.00	27.25	5.50	28.25	24	2.00	33.00	730.00

*ALL DIMENSIONS ARE IN INCHES

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*FLAT FACE OPTION AVAILABLE

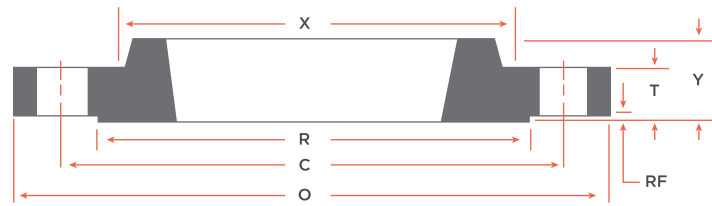
*WEIGHT IS ESTIMATED



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DIMENSIONS

ANSI / ASME B16.5 CLASS 900



FLANGES DIMENSIONS & WEIGHTS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O)	THICKNESS (T)	RAISED FACE DIAMETER (R)	LENGTH THRU HUB (Y)	HUB DIAMETER (X)	NUMBER OF HOLES	DIAMETER OF HOLES	BOLT CIRCLE (C)	APPROXIMATE WEIGHT (lbs)
1/2"	4.75	0.88	1.38	1.25	1.50	4	0.88	3.25	4.00
3/4"	5.13	1.00	1.69	1.38	1.75	4	0.88	3.50	5.00
1"	5.88	1.13	2.00	1.63	2.06	4	1.00	4.00	8.00
1 1/4"	6.25	1.13	2.50	1.63	2.50	4	1.00	4.38	9.00
1 1/2"	7.00	1.25	2.88	1.75	2.75	4	1.13	4.88	12.00
2"	8.50	1.50	3.63	2.25	4.13	8	1.00	6.50	25.00
2 1/2"	9.63	1.63	4.13	2.50	4.88	8	1.13	7.50	36.00
3"	10.50	1.50	5.00	2.13	5.00	8	1.00	7.50	26.00
4"	11.50	1.75	6.19	2.75	6.25	8	1.25	9.25	53.00
5"	13.75	2.00	7.13	3.13	7.50	8	1.38	11.00	83.00
6"	15.00	2.19	8.50	3.38	9.25	12	1.25	12.50	110.00
8"	18.50	2.50	10.63	4.00	11.75	12	1.50	15.50	170.00
10"	21.50	2.75	12.75	4.25	14.50	16	1.50	18.50	245.00
12"	24.00	3.13	15.00	4.63	16.50	20	1.50	21.00	325.00
14"	25.25	3.38	16.25	5.13	17.75	20	1.63	22.00	400.00
16"	27.25	3.50	18.50	5.25	20.00	20	1.75	24.25	425.00
18"	31.00	4.00	21.00	6.00	22.25	20	2.00	27.00	600.00
20"	33.75	4.25	23.00	6.25	24.50	20	2.13	29.50	730.00
24"	41.00	5.50	27.25	8.00	29.50	20	2.63	35.50	1400.00

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*FLAT FACE OPTION AVAILANLE

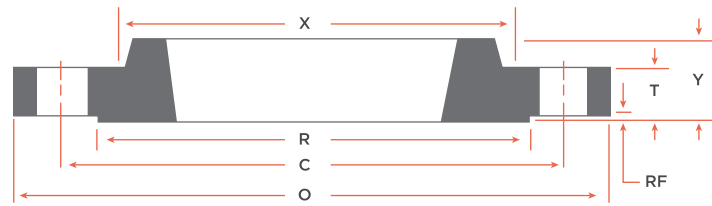
*WEIGHT IS ESTIMATED



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DIMENSIONS

ANSI / ASME B16.5 CLASS 1500



FLANGES DIMENSIONS & WEIGHTS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O)	THICKNESS (T)	RAISED FACE DIAMETER (R)	LENGTH THRU HUB (Y)	HUB DIAMETER (X)	NUMBER OF HOLES	DIAMETER OF HOLES	BOLT CIRCLE (C)	APPROXIMATE WEIGHT (lbs)
1/2"	4.75	0.88	1.38	1.25	1.50	4	0.88	3.25	4.00
3/4"	5.13	1.00	1.69	1.38	1.75	4	0.88	3.50	5.00
1"	5.88	1.13	2.00	1.63	2.06	4	1.00	4.00	8.00
1 1/4"	6.25	1.13	2.50	1.63	2.50	4	1.00	4.38	9.00
1 1/2"	7.00	1.25	2.88	1.75	2.75	4	1.13	4.88	12.00
2"	8.50	1.50	3.63	2.25	4.13	8	1.00	6.50	25.00
2 1/2"	9.63	1.63	4.13	2.50	4.88	8	1.13	7.50	36.00
3"	10.50	1.88	5.00	2.88	5.25	8	1.25	8.00	48.00
4"	12.25	2.13	6.19	3.56	6.38	8	1.38	9.25	73.00
5"	14.75	2.88	7.13	4.13	7.75	8	1.63	11.50	130.00
6"	15.50	3.25	8.50	4.69	9.00	12	1.50	12.50	165.00
8"	19.00	3.63	10.63	5.63	11.50	12	1.75	15.50	260.00
10"	23.00	4.25	12.75	6.25	14.50	12	2.00	19.00	435.00
12"	26.50	4.88	15.00	7.13	17.75	16	2.13	22.50	580.00

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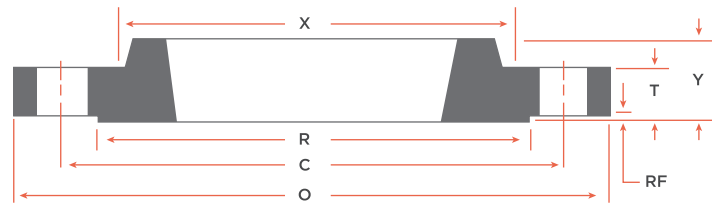
*WEIGHT IS ESTIMATED



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DIMENSIONS

ANSI / ASME B16.5 CLASS 2500



FLANGES DIMENSIONS & WEIGHTS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O)	THICKNESS (T)	RAISED FACE DIAMETER (R)	LENGTH THRU HUB (Y)	HUB DIAMETER (X)	NUMBER OF HOLES	DIAMETER OF HOLES	BOLT CIRCLE (C)	APPROXIMATE WEIGHT (lbs)
1/2"	133.4	30.2	42.9	21.3	34.9	4	19.1	120.7	7.00
3/4"	139.7	31.8	50.8	26.7	42.9	4	19.1	120.7	9.00
1"	158.8	34.9	57.2	33.5	50.8	4	22.2	133.4	13.00
1 1/4"	184.2	38.1	73.0	42.2	63.5	4	25.4	146.1	20.00
1 1/2"	203.2	44.5	79.4	48.3	73.0	4	28.6	165.1	27.00
2"	235.0	50.8	95.3	60.5	92.1	8	28.6	171.5	41.00
2 1/2"	266.7	57.2	114.3	73.2	104.8	8	31.8	190.5	52.00
3"	304.8	66.7	133.4	88.9	127.0	8	31.8	215.9	93.00
4"	355.6	76.2	165.1	114.3	157.2	8	38.1	247.7	145.00
5"	419.1	85.7	203.2	141.2	185.7	8	44.5	292.1	243.00
6"	482.6	108.0	235.0	168.4	215.9	8	50.8	342.9	377.00
8"	552.5	127.0	304.8	219.2	269.9	12	50.8	381.0	490.00
10"	673.1	165.1	374.7	273.1	323.9	12	63.5	482.6	1066.00
12"	762.0	184.2	441.3	323.9	381.0	12	69.9	533.4	1605.00

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*FLAT FACE OPTION AVAILABLE

*WEIGHT IS ESTIMATED



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