



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 & BS 3293 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

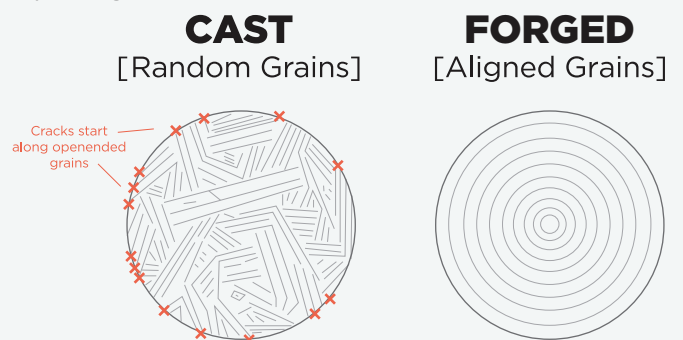
DESIGN FEATURES

- Carbon steel: A-105N
- Stainless steel: 304/304L & 316/316L
- Anticorrosive paint
- Normalized forged steel heat treatment
- ANSI Class 150 up to 2500
- Dimensions to per ANSI/ASME B16.5 (1/2" - 24")
- Dimensions to per BS 3293 (26" - 54")
- FF Available
- Sour gas service to per NACE MR-0175

FORGED STEEL ADVANTAGES

Forged steel offers a great advantage against casting or plating:

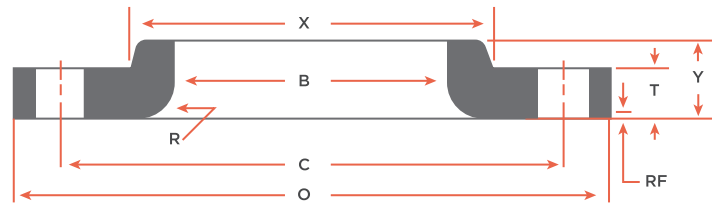
- Saving machining hours
- Better metallic yield
- Improving the grain structure
- Directional flow that enables the improvement of impact and mechanical resistance properties



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)	LENGTH THRU HUB (Y)	HUB DIAMETER (X)	RADIUS (R)	NUMBER OF HOLES	DIAMETER OF HOLE	BOLT CIRCLE (C)	APPROXIMATE WEIGHT (LBS)
1/2	3.50	0.44	0.63	1.19	0.13	4	0.63	2.38	1
3/4	3.88	0.50	0.63	1.50	0.13	4	0.63	2.75	2
1	4.25	0.56	0.69	1.94	0.13	4	0.63	3.13	2
1 1/4	4.63	0.63	0.81	2.31	0.19	4	0.63	3.50	3
1 1/2	5.00	0.69	0.88	2.56	0.25	4	0.63	3.88	3
2	6.00	0.75	1.00	3.06	0.31	4	0.75	4.75	5
2 1/2	7.00	0.88	1.13	3.56	0.31	4	0.75	5.50	7
3	7.50	0.94	1.19	4.25	0.38	4	0.75	6.00	8
3 1/2	8.50	0.94	1.25	4.81	0.38	8	0.75	7.00	11
4	9.00	0.94	1.31	5.31	0.44	8	0.75	7.50	13
5	10.00	0.94	1.44	6.44	0.44	8	0.88	8.50	15
6	11.00	1.00	1.56	7.56	0.50	8	0.88	9.50	19
8	13.50	1.13	1.75	9.69	0.50	8	0.88	11.75	30
10	16.00	1.19	1.94	12.00	0.50	12	1.00	14.25	43
12	19.00	1.25	2.19	14.38	0.50	12	1.00	17.00	64
14	21.00	1.38	2.25	15.75	0.50	12	1.13	18.75	105
16	23.50	1.44	2.50	18.00	0.50	16	1.13	21.25	140
18	25.00	1.56	2.69	19.88	0.50	16	1.25	22.75	160
20	27.50	1.69	2.88	22.00	0.50	20	1.25	25.00	195
22	29.50	1.81	3.13	24.25	0.50	20	1.38	27.25	245
24	32.00	1.88	3.25	26.13	0.50	20	1.38	29.50	275

*WEIGHT IS ESTIMATED

*DIMENSIONS ARE EXPRESSED IN INCHES

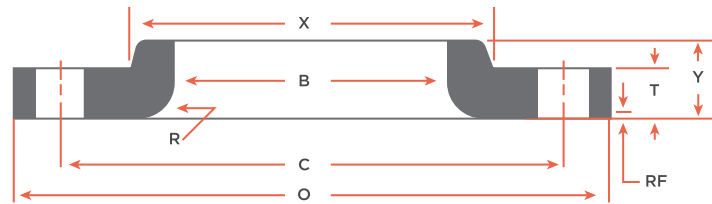
D-LINE offers and supplies the class 150 lap joint flanges from 12" and upper machined from a slip on. Thickness may vary from the above dimensions.



< Scan the QR CODE to see our available studs and gasket.

DIMENSIONS

ANSI/ASME B16.5 CLASS 300



FLANGES DIMENSIONS & WEIGHTS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O)	THICKNESS (T)	LENGTH THRU HUB (Y)	HUB DIAMETER (X)	RADIUS (R)	NUMBER OF HOLES	DIAMETER OF HOLE	BOLT CIRCLE (C)	APPROXIMATE WEIGHT (LBS)
1/2	3.75	0.56	0.88	1.50	0.13	4	0.63	2.63	2
3/4	4.63	0.63	1.00	1.88	0.13	4	0.75	3.25	3
1	4.88	0.69	1.06	2.13	0.13	4	0.75	3.50	3
1 1/4	5.25	0.75	1.06	2.50	0.19	4	0.75	3.88	4
1 1/2	6.13	0.81	1.19	2.75	0.25	4	0.88	4.50	6
2	6.50	0.88	1.31	3.31	0.31	8	0.75	5.00	7
2 1/2	7.50	1.00	1.50	3.94	0.31	8	0.88	5.88	10
3	8.25	1.13	1.69	4.63	0.38	8	0.88	6.63	13
3 1/2	9.00	1.19	1.75	5.25	0.38	8	0.88	7.25	17
4	10.00	1.25	1.88	5.75	0.44	8	0.88	7.88	22
5	11.00	1.38	2.00	7.00	0.44	8	0.88	9.25	28
6	12.50	1.44	2.06	8.13	0.50	12	0.88	10.63	39
8	15.00	1.63	2.44	10.25	0.50	12	1.00	13.00	58
10	17.50	1.88	2.62	12.63	0.50	16	1.13	15.25	91
12	20.50	2.00	2.88	14.75	0.50	16	1.25	17.75	140
14	23.00	2.13	3.00	16.75	0.50	20	1.25	20.25	190
16	25.50	2.25	3.25	19.00	0.50	20	1.38	22.50	250
18	28.00	2.38	3.50	21.00	0.50	24	1.38	24.75	295
20	30.50	2.50	3.75	23.13	0.50	24	1.38	27.00	370
22	33.00	2.63	4.00	25.25	0.50	24	1.63	29.25	435
24	36.00	2.75	4.19	27.63	0.50	24	1.63	32.00	550

*WEIGHT IS ESTIMATED

*DIMENSIONS ARE EXPRESSED IN INCHES

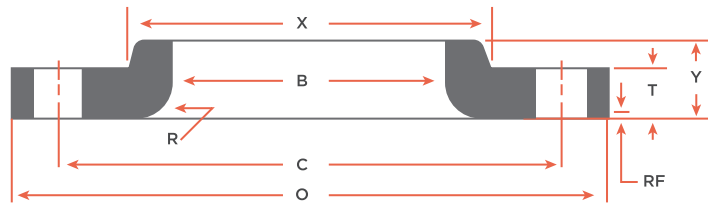
D-LINE offers and supplies the class 300 lap joint flanges machined from a slip on. Thickness may vary from the above dimensions.



< Scan the QR CODE to see our available studs and gasket.

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)	RADIUS (R)	BORE (B)	NUMBER OF HOLES	DIAMETER OF HOLE	BOLT CIRCLE (C)	APPROXIMATE WEIGHT (LBS)
1/2	3.75	0.56	1.38	0.88	1.50	0.13	0.90	4	0.63	2.63	2
3/2	4.63	0.63	1.69	1.00	1.88	0.13	1.11	4	0.75	3.25	3
1	4.88	0.69	2.00	1.06	2.13	0.13	1.38	4	0.75	3.50	4
1 1/4	5.25	0.81	2.50	1.13	2.50	0.19	1.72	4	0.75	3.88	5
1 1/2	6.13	0.88	2.88	1.25	2.75	0.25	1.97	4	0.88	4.50	7
2	6.50	1.00	3.63	1.44	3.31	0.31	2.46	8	0.75	5.00	9
2 1/2	7.50	1.13	4.13	1.63	3.94	0.31	2.97	8	0.88	5.88	13
3	8.25	1.25	5.00	1.81	4.63	0.38	3.60	8	0.88	6.63	16
3 1/2	9.00	1.38	5.50	1.94	5.25	0.38	4.10	8	1.00	7.25	21
4	10.75	1.50	6.19	2.13	6.00	0.44	4.60	8	1.00	8.50	37
5	13.00	1.75	7.13	2.38	7.44	0.50	5.69	8	1.13	10.50	63
6	14.00	1.88	8.50	2.63	8.75	0.50	6.75	12	1.13	11.50	80
8	16.50	2.19	10.63	3.00	10.75	0.50	8.75	12	1.25	13.75	115
10	20.00	2.50	12.75	3.38	13.50	0.50	10.92	16	1.38	17.00	170
12	22.00	2.63	15.00	3.63	15.75	0.50	12.92	20	1.38	19.25	200
14	23.75	2.75	16.25	3.69	17.00	0.50	14.18	20	1.50	20.75	230
16	27.00	3.00	18.50	4.19	19.50	0.50	16.19	20	1.63	23.75	330
18	29.25	3.25	21.00	4.63	21.50	0.50	18.20	20	1.75	25.75	400
20	32.00	3.50	23.00	5.00	24.00	0.50	20.25	24	1.75	28.50	510
22	34.25	3.75	25.25	5.25	26.25	0.50	22.25	24	1.88	30.63	590
24	37.00	4.00	27.25	5.50	28.25	0.50	24.25	24	2.00	33.00	730

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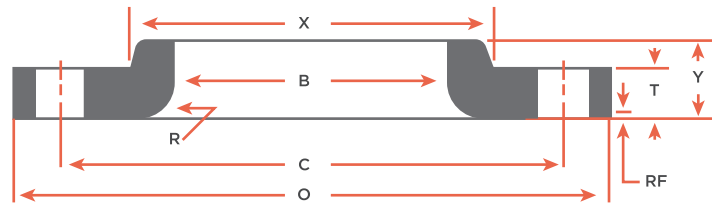
D-LINE offers and supplies the class 600 lap joint flanges machined from a slip on. Thickness may vary from the above dimensions.



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DIMENSIONS

ANSI/ASME B16.5t CLASS 900



FLANGES DIMENSIONS & WEIGHTS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O)	THICKNESS (T)	LENGTH THRU HUB (Y)	HUB DIAMETER (X)	BORE (B)	RADIUS (R)	NUMBER OF HOLES	DIAMETER OF HOLE	BOLT CIRCLE (C)	APPROXIMATE WEIGHT (LBS)
1/2	4.75	0.88	1.38	1.25	1.50	0.13	4	0.88	3.25	4
3/4	5.13	1.00	1.69	1.38	1.75	0.13	4	0.88	3.50	5
1	5.88	1.13	2.00	1.63	2.06	0.13	4	1.00	4.00	8
1 1/4	6.25	1.13	2.50	1.63	2.50	0.19	4	1.00	4.38	9
1 1/2	7.00	1.25	2.88	1.75	2.75	0.25	4	1.13	4.88	12
2	8.50	1.50	3.63	2.25	4.13	0.31	8	1.00	6.50	25
2 1/2	9.63	1.63	4.13	2.50	4.88	0.31	8	1.13	7.50	36
3	9.50	1.50	3.60	5.00	3.60	0.38	8	1.00	7.50	25
4	11.50	1.75	4.60	6.25	4.60	0.44	8	1.25	9.25	51
5	13.75	2.00	5.69	7.50	5.69	0.50	8	1.38	11.00	81
6	15.00	2.19	6.75	9.25	6.75	0.50	8	1.25	12.50	105
8	18.50	2.50	8.75	11.75	8.75	0.50	12	1.50	15.50	190
10	21.50	2.75	10.92	14.50	10.92	0.50	12	1.50	18.50	275
12	24.00	2.13	12.92	16.50	12.92	0.50	16	1.50	21.00	370
14	25.25	3.38	14.18	17.75	14.18	0.50	20	1.63	22.00	415
16	27.75	3.50	16.19	20.00	16.19	0.50	20	1.75	24.25	465
18	31.00	4.00	18.20	22.25	18.20	0.50	20	2.00	27.00	650
20	33.75	4.25	20.25	24.50	20.25	0.50	20	2.13	29.50	810
24	41.00	5.50	24.25	29.50	24.25	0.50	20	2.63	35.50	1550

*WEIGHT IS ESTIMATED

*DIMENSIONS ARE EXPRESSED IN INCHES

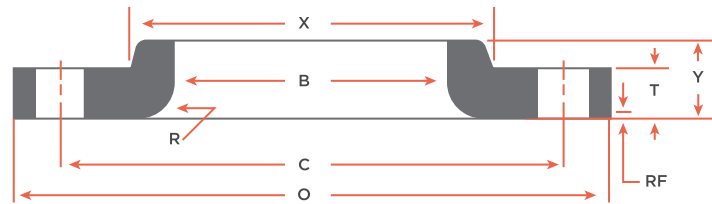
D-LINE offers and supplies the class 900 lap joint flanges machined from a slip on. Thickness may vary from the above dimensions.



< Scan the QR CODE to see our available studs and gasket.

DIMENSIONS

ANSI/ASME B16.5 CLASS 1500



FLANGES DIMENSIONS & WEIGHTS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O)	THICKNESS (T)	RAISED THRU DIAMETER (R)	LENGTH THRU HUB (Y)	HUB DIAMETER (X)	NUMBER OF HOLES	DIAMETER OF HOLE	BOLT CIRCLE (C)	APPROXIMATE WEIGHT (LBS)
1/2	4.75	0.88	1.38	1.25	1.50	4	0.88	3.25	4
3/4	5.13	1.00	1.69	1.38	1.75	4	0.88	3.50	5
1	5.88	1.13	2.00	1.63	2.06	4	1.00	4.00	8
1 1/4	6.25	1.13	2.50	1.63	2.50	4	1.00	4.38	9
1 1/2	7.00	1.25	2.88	1.75	2.75	4	1.13	4.88	12
2	8.50	1.50	3.63	2.25	4.13	8	1.00	6.50	25
2 1/2	9.63	1.63	4.13	2.50	4.88	8	1.13	7.50	36
3	10.50	1.88	5.00	2.88	5.25	8	1.25	8.00	48
4	12.25	2.13	6.19	3.56	6.38	8	1.38	9.50	73
5	14.75	2.88	7.31	4.13	7.75	8	1.63	11.50	130
6	15.50	3.25	8.50	4.69	9.00	12	1.50	12.50	165
8	19.00	3.63	10.63	5.63	11.50	12	1.75	15.50	260
10	23.00	4.25	12.75	6.25	14.50	12	2.00	19.00	435
12	26.50	4.88	15.00	7.13	17.75	16	2.13	22.50	580

*WEIGHT IS ESTIMATED

*DIMENSIONS ARE EXPRESSED IN INCHES

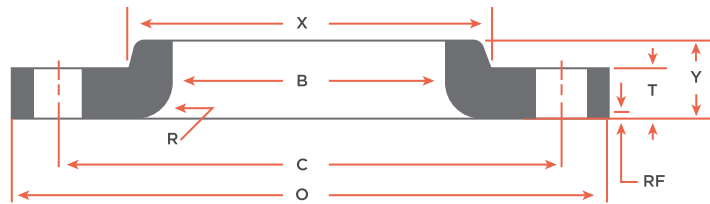
D-LINE offers and supplies the class 1500 lap joint flanges machined from a slip on. Thickness may vary from the above dimensions.



< Scan the QR CODE to see our available studs and gasket.

DIMENSIONS

ANSI/ASME B16.5 CLASS 2500



FLANGES DIMENSIONS & WEIGHTS

NOMINAL PIPE SIZE	OUTSIDE DIAMETER (O)	THICKNESS (T)	HUB DIAMETER (X)	LENGTH THRU HUB (Y)	BORE (B)	RADIUS (R)	NUMBER OF HOLES	DIAMETER OF HOLE	BOLT CIRCLE (C)	APPROXIMATE WEIGHT (LBS)
1/2	5.25	1.19	1.69	1.56	0.88	0.12	4	0.88	3.50	6
3/4	5.50	1.25	2.00	1.69	1.09	0.12	4	0.88	3.75	7
1	6.25	1.38	2.25	1.88	1.36	0.12	4	1.00	4.25	10
1 1/4	7.25	1.50	2.88	2.06	1.70	0.19	4	1.00	5.12	15
1 1/2	8.00	1.75	3.12	2.38	1.95	0.25	4	1.13	5.75	21
2	9.25	2.00	3.75	2.75	2.44	0.31	8	1.00	6.75	32
2 1/2	10.50	2.25	4.50	3.12	2.94	0.31	8	1.13	7.75	46
3	12.00	2.62	5.25	3.62	3.57	0.38	8	1.00	9.00	71
4	14.00	3.00	6.50	4.25	4.57	0.44	8	1.25	10.75	115
5	16.50	3.62	8.00	5.12	5.66	0.44	8	1.38	12.75	182
6	19.00	4.25	9.25	6.00	6.72	0.50	8	1.25	14.50	279
8	21.75	5.00	12.00	7.00	8.72	0.50	12	1.50	17.25	410
10	25.50	6.50	14.75	9.00	10.88	0.50	12	1.50	21.25	776
12	30.00	7.25	17.38	10.00	12.88	0.50	12	1.50	24.38	1104

*WEIGHT IS ESTIMATED

*DIMENSIONS ARE EXPRESSED IN INCHES

D-LINE offers and supplies the class 2500 lap joint flanges machined from a slip on. Thickness may vary from the above dimensions.



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