

# Dimensions for Forged Steel Flanges



Toll Free: 888 - 756 -4110

## 150 lb Flanges

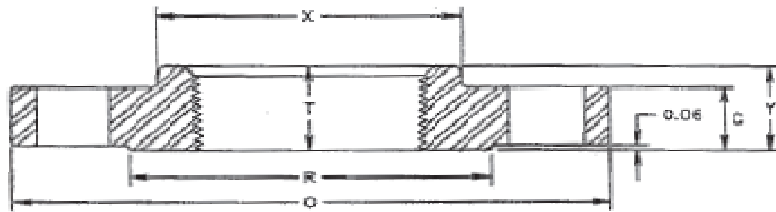
Nominal Pipe Size	Outside Diameter of Flange ( O )	Thickness of Flange Minimum ( C )	Diameter of Raised Face ( R )	Diameter of Hub at Base (Note 1) ( X )	Hub Diameter Beginning of Chamfer Welding Neck ( A )	Length Through Hub			Thread Length Threaded Minimum ( T )	Bore			Corner Radius of Bore of Lapped Flange and Pipe ( r )	Depth of Socket ( D )	Drilling		
						Threaded / Slip on / Socket Welding ( Y )	Lapped ( Y )	Welding Neck ( Y )		Slip-On / Socket Welding Minimum ( B )	Lapped Minimum ( B )	Welding Neck / Socket Welding ( J )			Diameter of Bolt Circle	Diameter of Bolt Holes	Number of Holes
1/2	3.5	0.44	1.38	1.19	0.84	0.62	0.62	1.88	0.62	0.88	0.9	See Bore Schedules	0.12	0.38	2.38	0.62	4
3/4	3.88	0.5	1.69	1.5	1.05	0.62	0.62	2.06	0.62	1.09	1.11		0.12	0.44	2.75	0.62	4
1	4.25	0.56	2	1.94	1.32	0.69	0.69	2.19	0.69	1.36	1.38		0.12	0.5	3.12	0.62	4
1 1/4	4.62	0.62	2.5	2.31	1.66	0.81	0.81	2.25	0.81	1.7	1.72		0.19	0.56	3.5	0.62	4
1 1/2	5	0.69	2.88	2.56	1.9	0.88	0.88	2.44	0.88	1.95	1.97		0.25	0.62	3.88	0.62	4
2	6	0.75	3.62	3.06	2.38	1	1	2.5	1	2.44	2.46		0.31	0.69	4.75	0.75	4
2 1/2	7	0.88	4.12	3.56	2.88	1.12	1.12	2.75	1.12	2.94	2.97		0.31	0.75	5.5	0.75	4
3	7.5	0.94	5	4.25	3.5	1.19	1.19	2.75	1.19	3.57	3.6		0.38	0.81	6	0.75	4
3 1/2	8.5	0.94	5.5	4.81	4	1.25	1.25	2.81	1.25	4.07	4.1		0.38	*0.88	7	0.75	8
4	9	0.94	6.19	5.31	4.5	1.31	1.31	3	1.31	4.57	4.6		0.44	*0.94	7.5	0.75	8
5	10	0.94	7.31	6.44	5.56	1.44	1.44	3.5	1.44	5.66	5.69		0.44	*0.94	8.5	0.88	8
6	11	1	8.5	7.56	6.63	1.56	1.56	3.5	1.56	6.72	6.75		0.5	*1.06	9.5	0.88	8
8	13.5	1.12	10.62	9.69	8.63	1.75	1.75	4	1.75	8.72	8.75		0.5	*1.25	11.75	0.88	8
10	16	1.19	12.75	12	10.75	1.94	1.94	4	1.94	10.88	10.92		0.5	*1.31	14.25	1	12
12	19	1.25	15	14.38	12.75	2.19	2.19	4.5	2.19	12.88	12.92		0.5	*1.56	17	1	12
14	21	1.38	16.25	15.75	14	2.25	3.12	50	2.25	14.14	14.18		0.5	*1.62	18.75	1.12	12
16	23.5	1.44	18.5	18	16	2.5	3.44	50	2.5	16.16	16.19		0.5	*1.75	21.25	1.12	16
18	25	1.56	21	19.88	18	2.69	3.81	5.5	2.69	18.18	18.2		0.5	*1.94	22.75	1.25	16
20	27.5	1.69	23	22	20	2.88	4.06	5.69	2.88	20.2	20.25		0.5	*2.12	25	1.25	20
24	32	1.88	27.25	26.12	24	3.25	4.38	6	3.25	24.25	24.25		0.5	*2.5	29.5	1.38	20



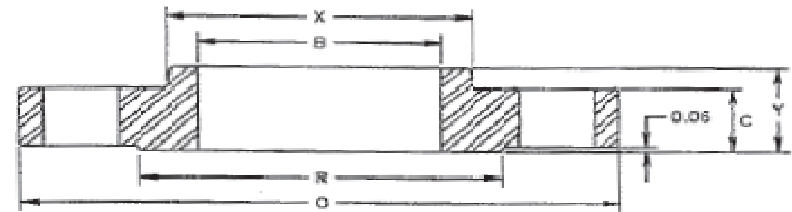
## Notes:

1. This dimension is for the base end of the hub, which may be straight or tapered. Taper shall not exceed 7" on threaded, slip-on, socket-welding, and lapped flanges.
2. Lap Joints (14"+) made with Slip-On Welding length through hub are nonstandard.
3. Blind flanges may be made with or without hubs. Hubs are nonstandard.
4. The flange dimensions illustrated are for .06 in. raised face (except lapped); for requirements of other facings, see the table on facings.
5. For welding end and bevel, see the figure on welding end countours.
6. When these flanges are required with flat face, either the full thicknes or thickness with raised face removed by be furnished. Removing the raised face may make the length through the hub nonstandard.
7. For thread of flange, see tables on threads.
8. Socket welding flanges larger than NPS 3 in. are marked with a ( \* ), and are not B16 standard flanges.
9. The raised face shall have a finish from 125  $\mu$  in. to 250  $\mu$  in. in roughness.

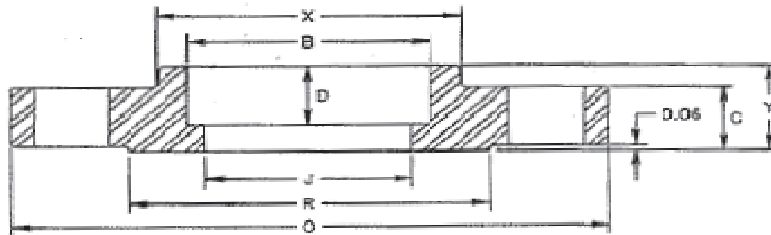
## DIMENSIONS OF CLASS 150 FLANGES



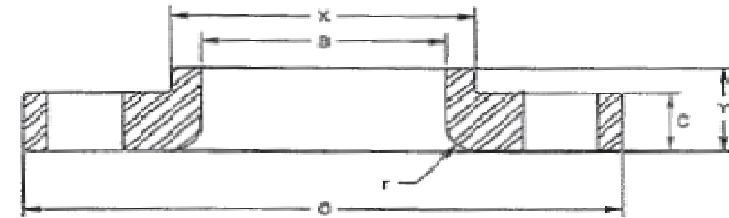
Threaded



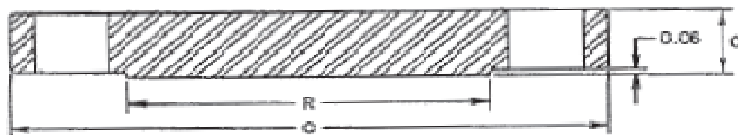
Slip-On Welding



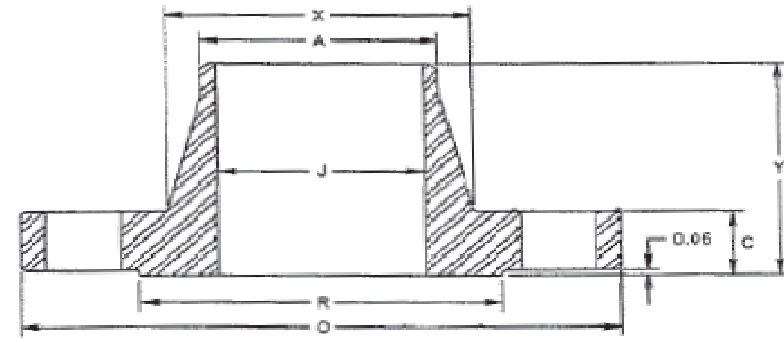
Socket Welding (B16 1/2" to 3" Only)



Lapped



Blind



Welding Neck

# Dimensions for Forged Steel Flanges



Toll Free: 888 - 756 -4110

## 300 lb Flanges

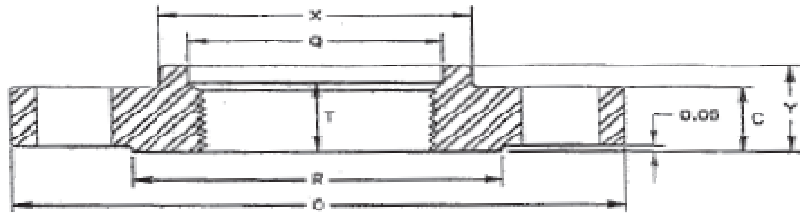
Nominal Pipe Size	Outside Diameter of Flange ( O )	Thickness of Flange Minimum ( C )	Diameter of Raised Face ( R )	Diameter of Hub at Base (Note 1) ( X )	Hub Diameter Beginning of Chamfer Welding Neck ( A )	Length Through Hub			Thread Length Threaded Minimum ( T )	Bore			Corner Radius of Bore of Lapped Flange and Pipe ( r )	Counter-bore Threaded Flange Minimum ( Q )	Depth of Socket ( D )	Drilling		
						Threaded / Slip on / Socket Welding ( Y )	Lapped ( Y )	Welding Neck ( Y )		Slip-On / Socket Welding Minimum ( B )	Lapped Minimum ( B )	Welding Neck / Socket Welding ( J )				Diameter of Bolt Circle	Diameter of Bolt Holes	Number of Holes
1/2	3.75	0.56	1.38	1.5	0.84	0.88	0.88	2.06	0.62	0.88	0.9	See Bore Schedules	0.12	0.93	0.38	2.62	0.62	4
3/4	4.62	0.62	1.69	1.88	1.05	1	1	2.25	0.62	1.09	1.11		0.12	1.14	0.44	3.25	0.75	4
1	4.88	0.69	2	2.12	1.32	1.06	1.06	2.44	0.69	1.36	1.38		0.12	1.41	0.5	3.5	0.75	4
1 1/4	5.25	0.75	2.5	2.5	1.66	1.06	1.06	2.56	0.81	1.7	1.72		0.19	1.75	0.56	3.88	0.75	4
1 1/2	6.12	0.81	2.88	2.75	1.9	1.19	1.19	2.69	0.88	1.95	1.97		0.02	1.98	0.62	4.5	0.88	4
2	6.5	0.88	3.62	3.31	2.38	1.31	1.31	2.75	1.12	2.44	2.46		0.31	2.5	0.69	5	0.75	8
2 1/2	7.5	1	4.12	3.94	2.88	1.5	1.5	3	1.25	2.94	2.97		0.31	3	0.75	5.88	0.88	8
3	8.25	1.12	5	4.62	3.5	1.69	1.69	3.12	1.25	3.57	3.6		0.38	3.63	0.81	6.62	0.88	8
3 1/2	9	1.19	5.5	5.25	4	1.75	1.75	3.19	1.44	4.07	4.1		0.38	4.13	*0.88	7.25	0.88	8
4	10	1.25	6.19	5.75	4.5	1.88	1.88	3.38	1.44	4.57	4.6		0.44	4.63	*0.94	7.88	0.88	8
5	11	1.38	7.31	7	5.56	2	2	3.88	1.69	5.66	5.69		0.44	5.69	*0.94	9.25	0.88	8
6	12.5	1.44	8.5	8.12	6.63	2.06	2.06	3.88	1.81	6.72	6.75		0.5	6.75	*1.06	10.62	0.88	12
8	15	1.62	10.62	10.25	8.63	2.44	2.44	4.38	2	8.72	8.75		0.5	8.75	*1.25	13	1	12
10	17.5	1.88	12.75	12.62	10.75	2.62	3.75	4.62	2.19	10.88	10.92		0.5	10.88	*1.31	15.25	1.12	16
12	20.5	2	15	14.75	12.75	2.88	4	5.12	2.38	12.88	12.92		0.5	12.94	*1.56	17.75	1.25	16
14	23	2.12	16.25	16.75	14	3	4.38	5.62	2.5	14.14	14.18		0.5	14.19	*1.62	20.25	1.25	20
16	25.5	2.25	18.5	19	16	3.25	4.75	5.75	2.69	16.16	16.19		0.5	16.19	*1.75	22.5	1.38	20
18	28	2.38	21	21	18	3.5	5.12	6.25	2.75	18.18	18.2	0.5	18.19	*1.94	24.75	1.38	24	
20	30.5	2.5	23	23.12	20	3.75	5.5	6.38	2.88	20.2	20.25	0.5	20.19	*2.12	27	1.38	24	
24	36	2.75	27.25	27.62	24	4.19	6	6.62	3.25	24.25	24.25	0.5	24.19	*2.5	32	1.62	24	



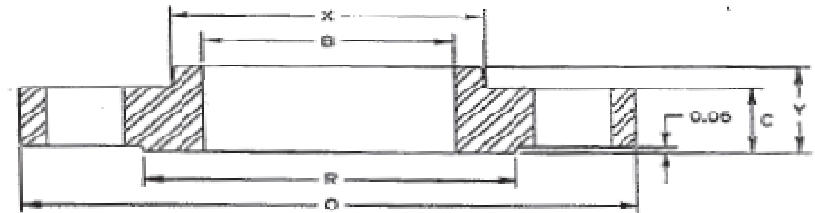
## Notes:

1. This dimension is for the base end of the hub, which may be straight or tapered. Taper shall not exceed 7" on threaded, slip-on, socket-welding, and lapped flanges.
2. Lap Joints (10"+) made with Slip-On Welding length through hub are nonstandard.
3. Blind flanges may be made with or without hubs. Hubs are nonstandard.
4. The flange dimensions illustrated are for .06 in. raised face (except lapped); for requirements of other facings, see the table on facings.
5. For welding end and bevel, see the figure on welding end countours.
6. When these flanges are required with flat face, either the full thicknes or thickness with raised face removed by be furnished. Removing the raised face may make the length through the hub nonstandard.
7. For thread of flange, see tables on threads.
8. Socket welding flanges larger than NPS 3 in. are marked with a ( \* ), and are not B16 standard flanges.
9. The raised face shall have a finish from 125  $\mu$  in. to 250  $\mu$  in. in roughness.

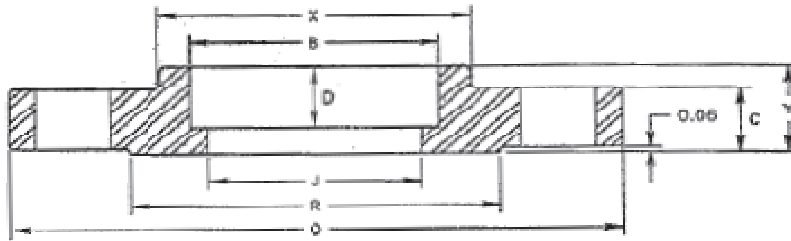
## DIMENSIONS OF CLASS 300 FLANGES



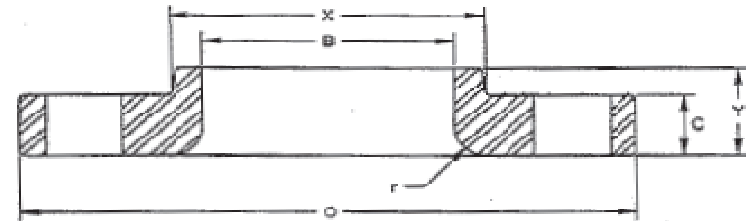
Threaded



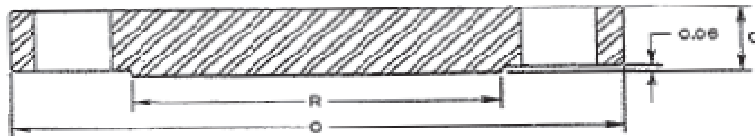
Slip-On Welding



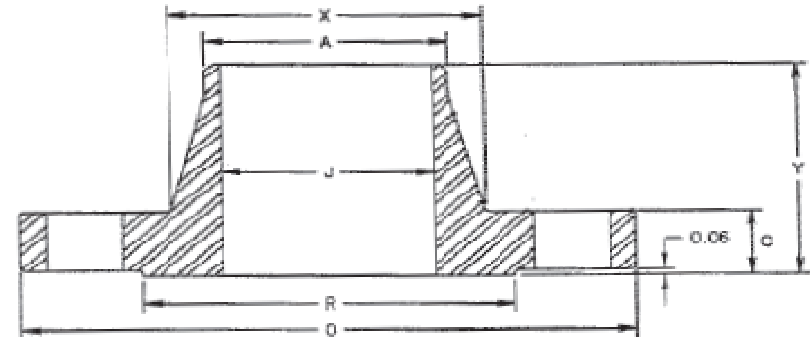
Socket Welding (B16 1/2" to 3" Only)



Lapped



Blind



Welding Neck

# Dimensions for Forged Steel Flanges



Toll Free: 888 - 756 -4110

## 600 lb Flanges

Nominal Pipe Size	Outside Diameter of Flange ( O )	Thickness of Flange Minimum ( C )	Diameter of Raised Face ( R )	Diameter of Hub at Base (Note 1) ( X )	Hub Diameter Beginning of Chamfer Welding Neck ( A )	Length Through Hub			Thread Length Threaded Minimum ( T )	Bore			Corner Radius of Bore of Lapped Flange and Pipe ( r )	Counter-bore Threaded Flange Minimum ( Q )	Depth of Socket ( D )	Drilling		
						Threaded / Slip on / Socket Welding ( Y )	Lapped ( Y )	Welding Neck ( Y )		Slip-On / Socket Welding Minimum ( B )	Lapped Minimum ( B )	Welding Neck / Socket Welding ( J )				Diameter of Bolt Circle	Diameter of Bolt Holes	Number of Holes
1/2	3.75	0.56	1.38	1.5	0.84	0.88	0.88	2.06	0.62	0.88	0.9	See Bore Schedules	0.12	0.93	0.38	2.62	0.62	4
3/4	4.62	0.62	1.69	1.88	1.05	1	1	2.25	0.62	1.09	1.11		0.12	1.14	0.44	3.25	0.75	4
1	4.88	0.69	2	2.12	1.32	1.06	1.06	2.44	0.69	1.36	1.38		0.12	1.41	0.5	3.5	0.75	4
1 1/4	5.25	0.81	2.5	2.5	1.66	1.12	1.12	2.62	0.81	1.7	1.72		0.19	1.75	0.56	3.88	0.75	4
1 1/2	6.12	0.88	2.88	2.75	1.9	1.25	1.25	2.75	0.88	1.95	1.97		0.25	1.99	0.62	4.5	0.88	4
2	6.5	1	3.62	3.31	2.38	1.44	1.44	2.88	1.12	2.44	2.46		0.31	2.5	0.69	5	0.75	8
2 1/2	7.5	1.12	4.12	3.94	2.88	1.62	1.62	3.12	1.25	2.94	2.97		0.31	3	0.75	5.88	0.88	8
3	8.25	1.25	5	4.62	3.5	1.81	1.81	3.25	1.38	3.57	3.6		0.38	3.63	0.81	6.62	0.88	8
3 1/2	9	1.38	5.5	5.25	4	1.94	1.94	3.38	1.56	4.07	4.1		0.38	4.13	*0.88	7.25	1	8
4	10.75	1.5	6.19	6	4.5	2.12	2.12	4	1.62	4.57	4.6		0.44	4.63	*0.94	8.5	1	8
5	13	1.75	7.31	7.44	5.56	2.38	2.38	4.5	1.88	5.66	5.69		0.44	5.69	*0.94	10.5	1.12	8
6	14	1.88	8.5	8.75	6.63	2.62	2.62	4.62	2	6.72	6.75		0.5	6.75	*1.06	11.5	1.12	12
8	16.5	2.19	10.62	10.75	8.63	3	3	5.25	2.25	8.72	8.75		0.5	8.75	*1.25	13.75	1.25	12
10	20	2.5	12.75	13.5	10.75	3.38	4.38	6	2.56	10.88	10.92		0.5	10.88	*1.31	17	1.38	16
12	22	2.62	15	15.75	12.75	3.62	4.62	6.12	2.75	12.88	12.92		0.5	12.94	*1.56	19.25	1.38	20
14	23.75	2.75	16.25	17	14	3.69	5	6.5	2.88	14.14	14.18		0.5	14.19	*1.62	20.75	1.5	20
16	27	3	18.5	19.5	16	4.19	5.5	7	3.06	16.16	16.19		0.5	16.19	*1.75	23.75	1.62	20
18	29.25	3.25	21	21.5	18	4.62	6	7.25	3.12	18.18	18.2		0.5	18.19	*1.94	25.75	1.75	20
20	32	3.5	23	24	20	5	6.5	7.5	3.25	20.2	20.25	0.5	20.19	*2.12	28.5	1.75	24	
24	37	4	27.25	28.25	24	5.5	7.25	8	3.62	24.25	24.25	0.5	24.19	*2.5	33	2	24	

# Dimensions for Forged Steel Flanges



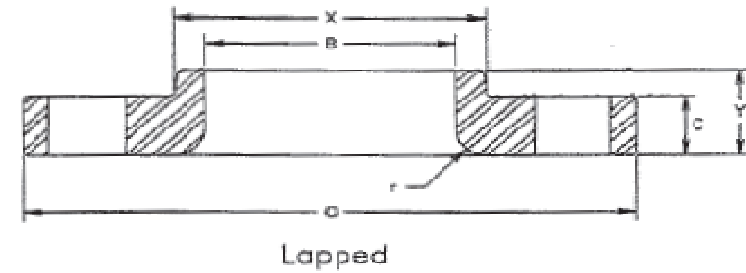
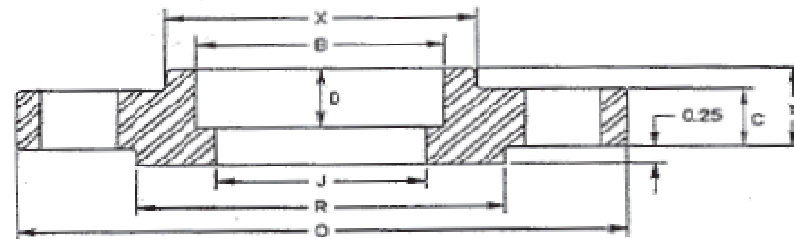
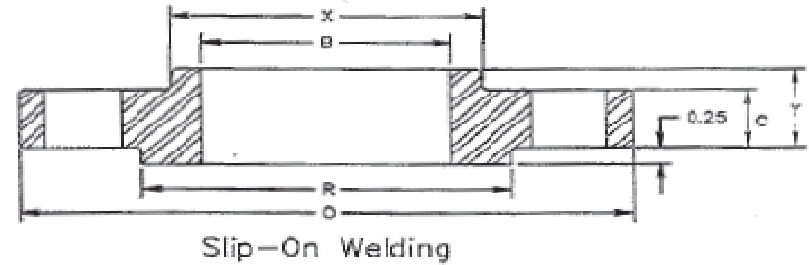
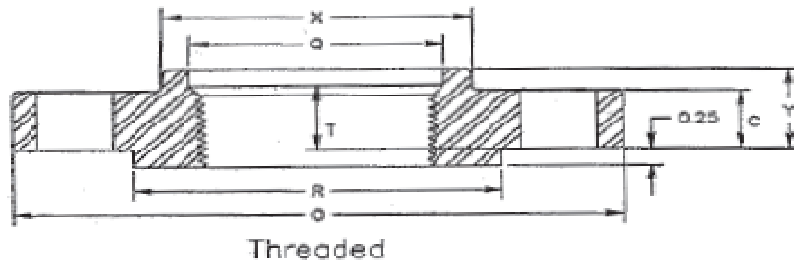
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## Notes:

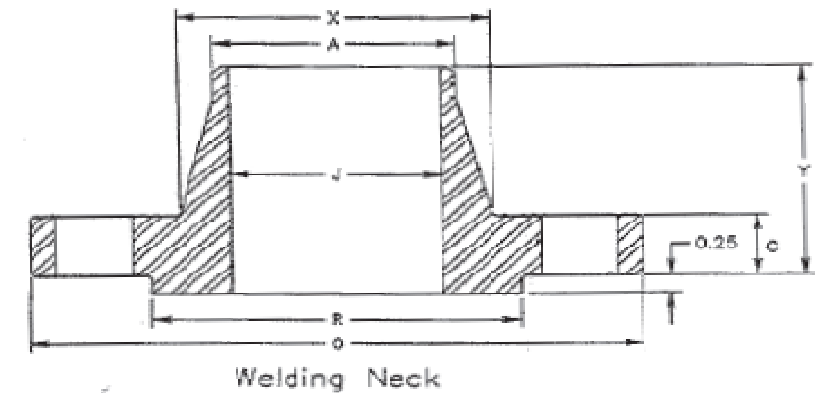
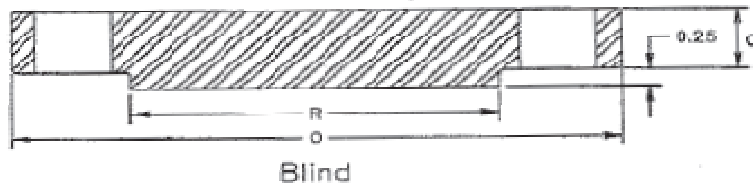
1. This dimension is for the base end of the hub, which may be straight or tapered. Taper shall not exceed 7" on threaded, slip-on, socket-welding, and lapped flanges.
2. Lap Joints (10"+) made with Slip-On Welding length through hub are nonstandard.
3. Blind flanges may be made with or without hubs. Hubs are nonstandard.
4. The flange dimensions illustrated are for .25 in. raised face (except lapped); for requirements of other facings, see the table on facings.
5. For welding end and bevel, see the figure on welding end countours.
6. For thread of flange, see tables on threads.
7. Socket welding flanges larger than NPS 3 in. are marked with a ( \* ), and are not B16 standard flanges.
8. The raised face shall have a finish from 125  $\mu$  in. to 250  $\mu$  in. in roughness.



## DIMENSIONS OF CLASS 600 FLANGES



Socket Welding (B16 1/2" to 3" Only)



# Dimensions for Forged Steel Flanges



Toll Free: 888 - 756 -4110

## 900 lb Flanges

Nominal Pipe Size	Outside Diameter of Flange ( O )	Thickness of Flange Minimum ( C )	Diameter of Raised Face ( R )	Diameter of Hub at Base (Note 1) ( X )	Hub Diameter Beginning of Chamfer Welding Neck ( A )	Length Through Hub			Thread Length Threaded Minimum ( T )	Bore			Corner Radius of Bore of Lapped Flange and Pipe ( r )	Counter-bore Threaded Flange Minimum ( Q )	Depth of Socket ( D )	Drilling			
						Threaded / Slip on / Socket Welding ( Y )	Lapped ( Y )	Welding Neck ( Y )		Slip-On / Socket Welding Minimum ( B )	Lapped Minimum ( B )	Welding Neck / Socket Welding ( J )				Diameter of Bolt Circle	Diameter of Bolt Holes	Number of Holes	
*1/2	4.75	0.88	1.38	1.5	0.84	1.25	1.25	2.38	0.88	0.88	0.9	See Bore Schedules	0.12	0.93	0.38	3.25	0.88	4	
*3/4	5.12	1	1.69	1.75	1.05	1.38	1.38	2.75	1	1.09	1.11		0.12	1.14	0.44	3.5	0.88	4	
*1	5.88	1.12	2	2.06	1.32	1.62	1.62	2.88	1.12	1.36	1.38		0.12	1.41	0.5	4	1	4	
*1 1/4	6.25	1.12	2.5	2.5	1.66	1.62	1.62	2.88	1.19	1.7	1.72		0.19	1.75	0.56	4.38	1	4	
*1 1/2	7	1.25	2.88	2.75	1.9	1.75	1.75	3.25	1.25	1.95	1.97		0.25	1.99	0.62	4.88	1.12	4	
*2	8.5	1.5	3.62	4.12	2.38	2.25	2.25	4	1.5	2.44	2.46		0.31	2.5	0.69	6.5	1	8	
*2 1/2	9.62	1.62	4.12	4.88	2.88	2.5	2.5	4.12	1.88	2.94	2.97		0.31	3	0.75	7.5	1.12	8	
3	9.5	1.5	5	5	3.5	2.12	2.12	4	1.62	3.57	3.6		0.38	3.63	*0.81	7.5	1	8	
3 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	11.5	1.75	6.19	6.25	4.5	2.75	2.75	4.5	1.88	4.57	4.6		0.44	4.63	*0.94	9.25	1.25	8	
5	13.75	2	7.31	7.5	5.56	3.12	3.12	5	2.12	5.66	5.69		0.44	5.69	*0.94	11	1.38	8	
6	15	2.19	8.5	9.25	6.63	3.38	3.38	5.5	2.25	6.72	6.75		0.5	6.75	*1.06	12.5	1.25	12	
8	18.5	2.5	10.62	11.75	8.63	4	4.5	6.38	2.5	8.72	8.75		0.5	8.75	*1.25	15.5	1.5	12	
10	21.5	2.75	12.75	14.5	10.75	4.25	5	7.25	2.81	10.88	10.92		0.5	10.88	*1.31	18.5	1.5	16	
12	24	3.12	15	16.5	12.75	4.62	5.62	7.88	3	12.88	12.92		0.5	12.94	*1.56	21	1.5	20	
14	25.25	3.38	16.25	17.75	14	5.12	6.12	8.38	3.25	14.14	14.18		0.5	14.19	*1.62	22	1.62	20	
16	27.75	3.5	18.5	20	16	5.25	6.5	8.5	3.38	16.16	16.19	0.5	16.19	*1.75	24.25	1.75	20		
18	31	4	21	22.25	18	6	7.5	9	3.5	18.18	18.2	0.5	18.19	*1.94	27	2	20		
20	33.75	4.25	23	24.5	20	6.25	8.25	9.75	3.62	20.2	20.25	0.5	20.19	*2.12	29.5	2.12	20		
24	41	5.5	27.25	29.5	24	8	10.5	11.5	4	24.25	24.25	0.5	24.19	*2.5	35.5	2.62	20		

# Dimensions for Forged Steel Flanges

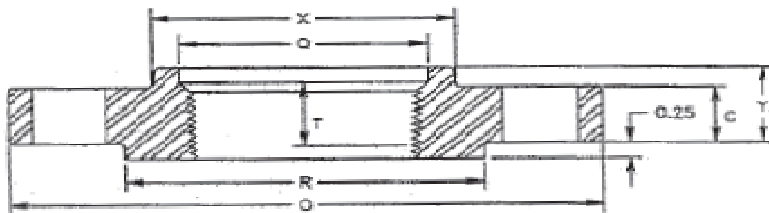


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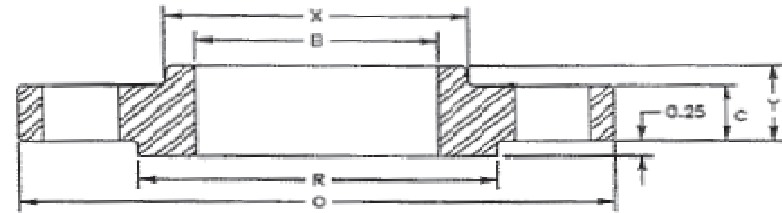
## Notes:

1. This dimension is for the base end of the hub, which may be straight or tapered. Taper shall not exceed 7" on threaded, slip-on, socket-welding, and lapped flanges.
2. Lap Joints (8"+) made with Slip-On Welding length through hub are nonstandard.
3. Blind flanges may be made with or without hubs. Hubs are nonstandard.
4. The flange dimensions illustrated are for .25 in. raised face (except lapped); for requirements of other facings, see the table on facings.
5. For welding end and bevel, see the figure on welding end countours.
6. For thread of flange, see tables on threads.
7. Socket welding flanges larger than NPS 2 1/2 in. are marked with a ( \* ), and are not B16 standard flanges.
8. Dimensions of 1/2" to 2 1/2" are the same as for 1500 lb. flanges.
9. The raised face shall have a finish from 125  $\mu$  in. to 250  $\mu$  in. in roughness.

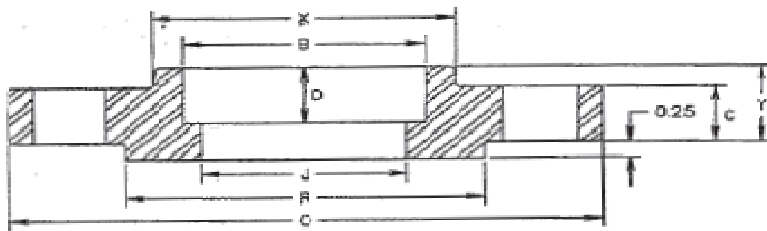
## DIMENSIONS OF CLASS 900 FLANGES



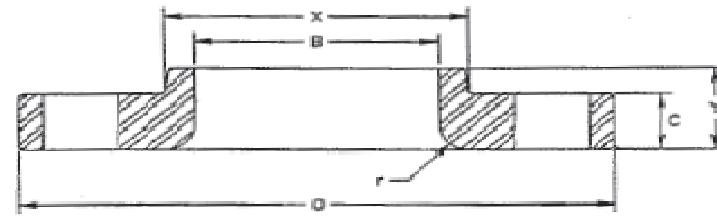
Threaded



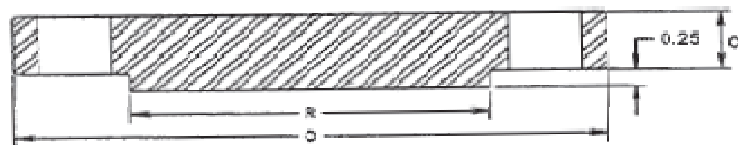
Slip-On Welding



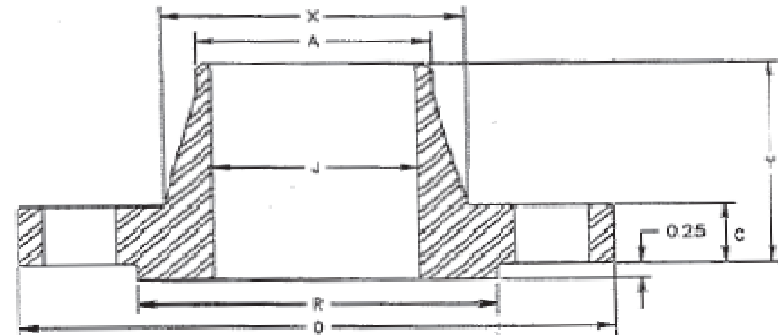
Socket Welding (B16 1/2" to 2 1/2" Only)



Lapped



Blind



Welding Neck

# Dimensions for Forged Steel Flanges



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## 1500 lb Flanges

Nominal Pipe Size	Outside Diameter of Flange ( O )	Thickness of Flange Minimum ( C )	Diameter of Raised Face ( R )	Diameter of Hub at Base (Note 1) ( X )	Hub Diameter Beginning of Chamfer Welding Neck ( A )	Length Through Hub			Thread Length Threaded Minimum ( T )	Bore			Corner Radius of Bore of Lapped Flange and Pipe ( r )	Counter-bore Threaded Flange Minimum ( Q )	Depth of Socket ( D )	Drilling			
						Threaded / Slip on / Socket Welding ( Y )	Lapped ( Y )	Welding Neck ( Y )		Slip-On / Socket Welding Minimum ( B )	Lapped Minimum ( B )	Welding Neck / Socket Welding ( J )				Diameter of Bolt Circle	Diameter of Bolt Holes	Number of Holes	
1/2	4.75	0.88	1.38	1.5	0.84	1.25	1.25	2.38	0.88	0.88	0.9	See Bore Schedules	0.12	0.93	0.38	3.25	0.88	4	
3/4	5.12	1	1.69	1.75	1.05	1.38	1.38	2.75	1	1.09	1.11		0.12	1.14	0.44	3.5	0.88	4	
1	5.88	1.12	2	2.06	1.32	1.62	1.62	2.88	1.12	1.36	1.38		0.12	1.41	0.5	4	1	4	
1 1/4	6.25	1.12	2.5	2.5	1.66	1.62	1.62	2.88	1.19	1.7	1.72		0.19	1.75	0.56	4.38	1	4	
1 1/2	7	1.25	2.88	2.75	1.9	1.75	1.75	3.25	1.25	1.95	1.97		0.25	1.99	0.62	4.88	1.12	4	
2	8.5	1.5	3.62	4.12	2.38	2.25	2.25	4	1.5	2.44	2.46		0.31	2.5	0.69	6.5	1	8	
2 1/2	9.62	1.62	4.12	4.88	2.88	2.5	2.5	4.12	1.88	2.94	2.97		0.31	3	0.75	7.5	1.12	8	
3	10.5	1.88	5	5.25	3.5	*2.88	2.88	4.62	*2	3.57	3.6		0.38	*3.63	*0.81	8	1.25	8	
3 1/2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	12.25	2.12	6.19	6.38	4.5	*3.56	3.56	4.88	*2.25	4.57	4.6		0.44	*4.63	*0.94	9.5	1.38	8	
5	14.75	2.88	7.31	7.75	5.56	*4.12	4.12	6.12	*2.5	5.66	5.69		0.44	*5.69	*0.94	11.5	1.62	8	
6	15.5	3.25	8.5	9	6.63	*4.69	4.69	6.75	*2.75	6.72	6.75		0.5	*6.75	*1.06	12.5	1.5	12	
8	19	3.62	10.62	11.5	8.63	*5.62	5.62	8.38	*3	8.72	8.75		0.5	*8.75	*1.25	15.5	1.75	12	
10	23	4.25	12.75	14.5	10.75	*6.25	7	10	*3.31	10.88	10.92		0.5	*10.88	*1.31	19	2	12	
12	26.5	4.88	15	17.75	12.75	*7.12	8.62	11.12	*3.62	12.88	12.92		0.5	*12.94	*1.56	22.5	2.12	16	
14	29.5	5.25	16.25	19.5	14	N/A	9.5	11.75	N/A	14.14	14.18		0.5	*14.19	*1.62	25	2.38	16	
16	32.5	5.75	18.5	21.75	16	N/A	10.25	12.25	N/A	16.16	16.19		0.5	*16.19	*1.75	27.75	2.62	16	
18	36	6.38	21	23.5	18	N/A	10.88	12.88	N/A	18.18	18.2	0.5	*18.19	*1.94	30.5	2.88	16		
20	38.75	7	23	25.25	20	N/A	11.5	14	N/A	20.2	20.25	0.5	*20.19	*2.12	32.75	3.12	16		
24	46	8	27.25	30	24	N/A	13	16	N/A	24.25	24.25	0.5	*24.19	*2.5	39	3.62	16		

# Dimensions for Forged Steel Flanges

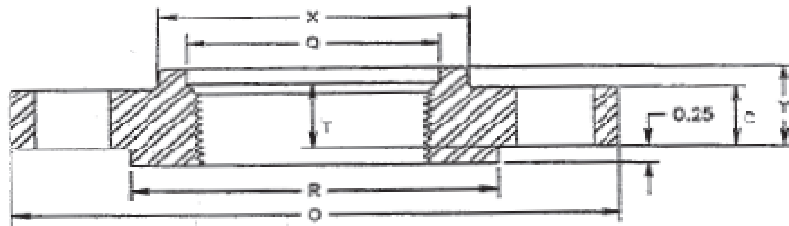


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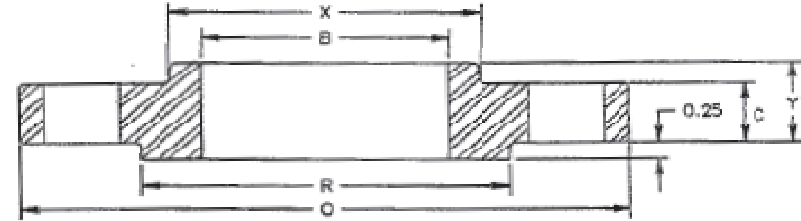
## Notes:

1. This dimension is for the base end of the hub, which may be straight or tapered. Taper shall not exceed 7" on threaded, slip-on, socket-welding, and lapped flanges.
2. Lap Joints (10"+) made with Slip-On Welding length through hub are nonstandard.
3. Blind flanges may be made with or without hubs. Hubs are nonstandard.
4. The flange dimensions illustrated are for .25 in. raised face (except lapped); for requirements of other facings, see the table on facings.
5. For welding end and bevel, see the figure on welding end countours.
6. For thread of flange, see tables on threads.
7. Socket welding flanges larger than NPS 2 1/2 in. are marked with a ( \* ), and are not B16 standard flanges.
8. The raised face shall have a finish from 125  $\mu$  in. to 250  $\mu$  in. in roughness.

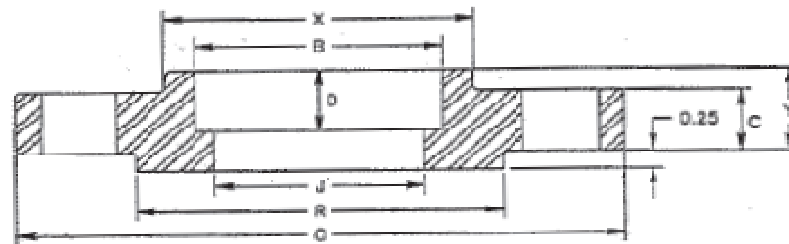
## DIMENSIONS OF CLASS 1500 FLANGES



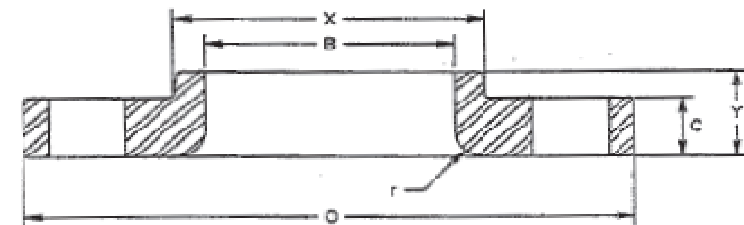
Threaded (B16 1/2" to 2 1/2" Only)



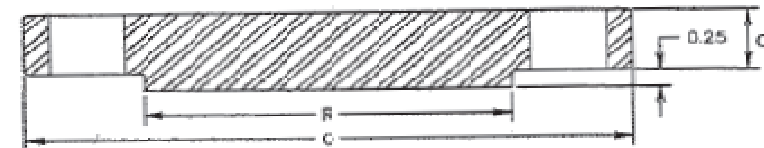
Slip-On Welding (B16 1/2" to 2 1/2" Only)



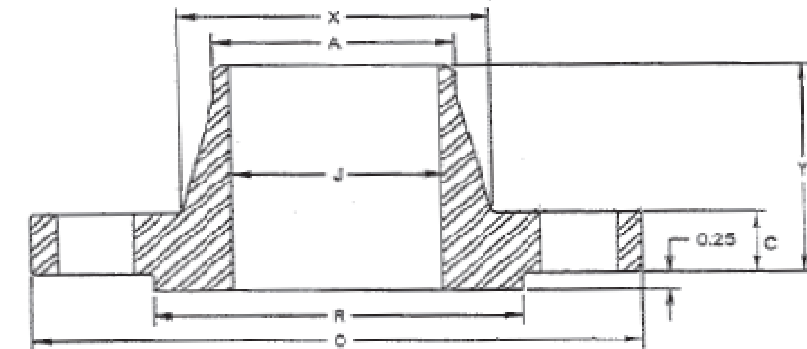
Socket Welding (B16 1/2" to 2 1/2" Only)



Lapped



Blind



Welding Neck





# Dimensions for Forged Steel Flanges

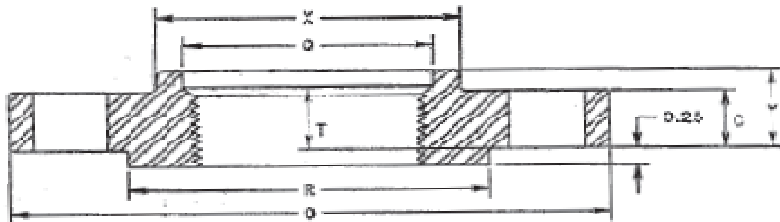


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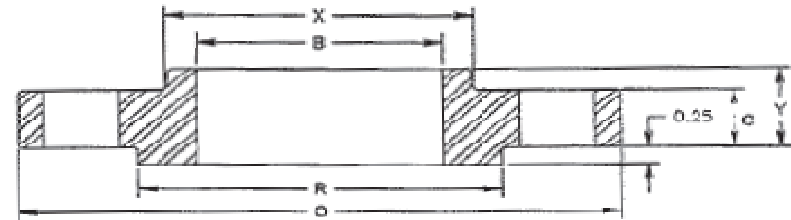
## Notes:

1. This dimension is for the base end of the hub, which may be straight or tapered. Taper shall not exceed 7" on threaded, slip-on, socket-welding, and lapped flanges.
2. Blind flanges may be made with or without hubs. Hubs are nonstandard.
3. The flange dimensions illustrated are for .25 in. raised face (except lapped); for requirements of other facings, see the table on facings.
4. For welding end and bevel, see the figure on welding end countours.
5. For thread of flange, see tables on threads.
6. Threaded flanges larger than NPS 2 1/2 in. are marked with a ( \* ), and are not B16 standard flanges.
7. 2500 lb Slip-On Welding and Socket Welding flanges are not B16 standard flanges.
8. The raised face shall have a finish from 125  $\mu$  in. to 250  $\mu$  in. in roughness.

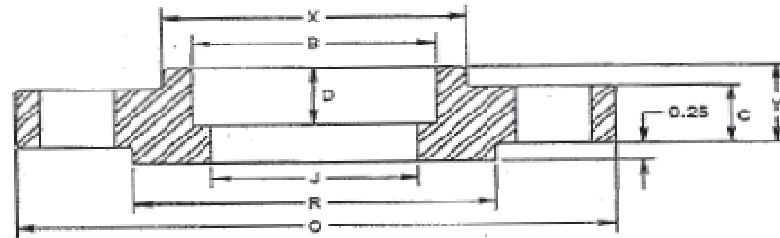
## DIMENSIONS OF CLASS 2500 FLANGES



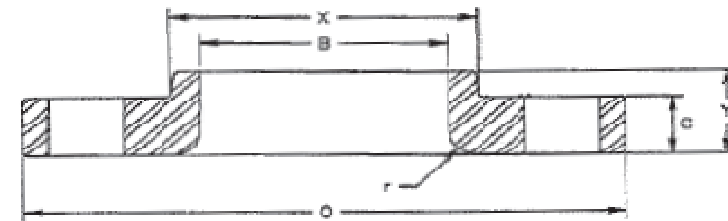
Threaded (B16 1/2" to 2 1/2" Only)



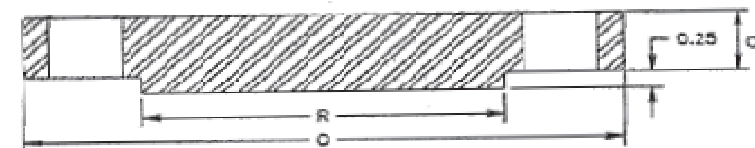
Slip-On Welding (B16 None)



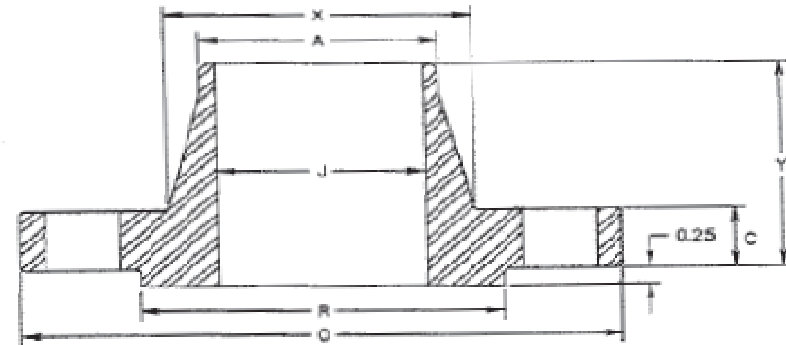
Socket Welding (B16 None)



Lapped



Blind



Welding Neck