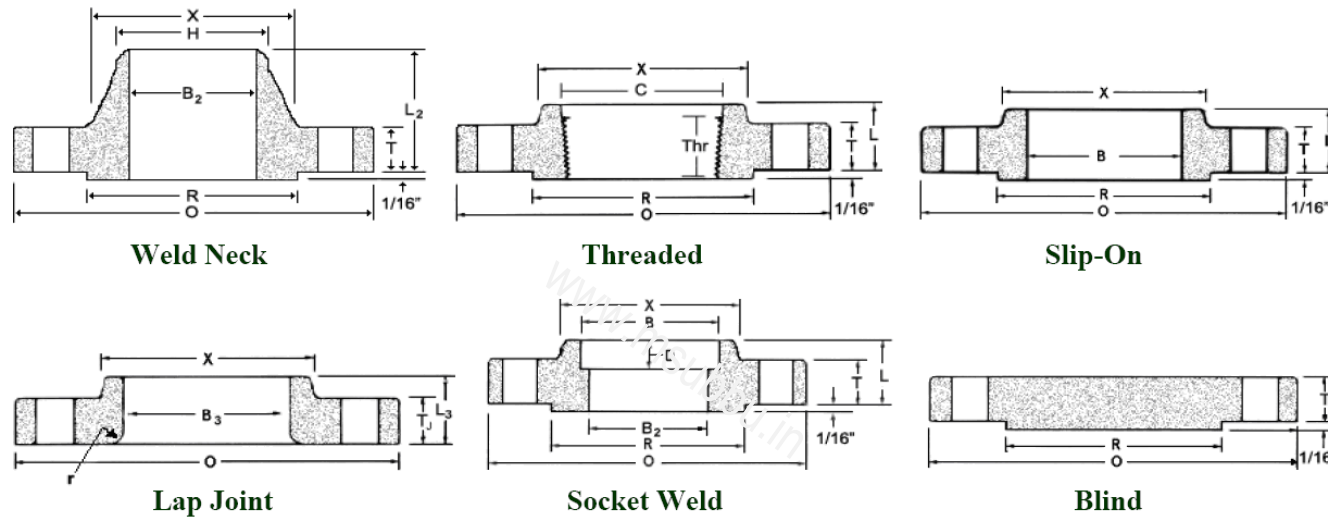


**Drawing – 1 Standard Flanges**

Draw to scale the sectional elevation and plan of 10 inch NPS standard flanges of the types as given below:

**ANSI B16.5 Class 150 Forged Flanges**



Nom. Pipe Size	O	T	T <sub>J</sub>	R	X	#/Dia of Holes <sup>a</sup>	Bolt Circle Dia	B	B <sub>2</sub> <sup>b</sup>	B <sub>3</sub>	H	L	L <sub>2</sub>	L <sub>3</sub> <sup>c</sup>	r	D	Thr
10	16.00	1.12	1.19	12.75	12.00	12-1.00	14.25	10.88	10.02	10.92	10.75	1.88	3.94	1.94	0.50	1.31	1.94

*Dimensions are in inches.*

(a)- Bolt hole diameter 1/8 in. larger than bolt diameter.

(b)- Standard bore dimensions provided.

(c)- This dimension is commonly associated with "true" lap joints. Industry standard is to make to the slip on length through the hub.

