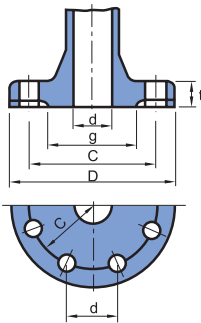


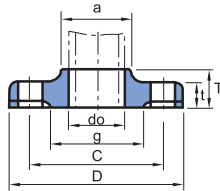
KS BI 503 FLANGE STANDARD

TOLERANCE FOR PIPE FLANGES

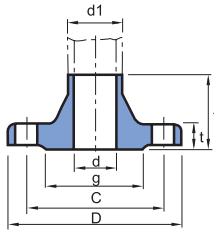
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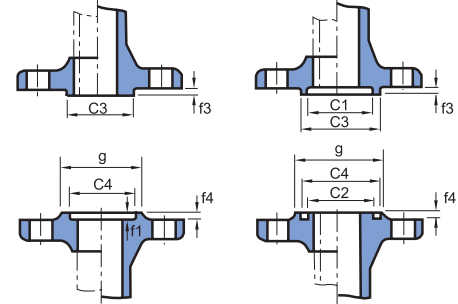
SLIP - ON



WELDING NECK



TYPE OF GASKET SURFACE



Unit : mm

Flange Section	Surface Condition	Basic Size	Dimensional Tolerance
outside dia. d	as forged(1)	300&below	+not specified
		over 300 thru 600	-2.0
		over 600 thru 1000	+not specified
		over 1000 thru 1500	-3.0
		over 1500	
	finish	300&below	±1
		over 300 thru 600	±1.5
		over 600 thru 1000	±2
		over 1000 thru 1500	±2.5
		over 1500	±3
inside dia	solid flange d(2)	16&below	±1
		over 16 thru 63	±1.5
		over 63 thru 125	±2
		over 125 thru 150	±2.5
		over 250 thru 500	±3
		over 500 thru 1000	±4
	slip-on flange do	100&below	+0.5, 0
		over 100 thru 400	+1, 0
		over 400 thru 600	+1.5, 0
		over 600 thru 800	+2.0, 0
		over 800 thru 1000	+2.5, 0
		over 1000	+3, 0
	welding neck flange d	100&below	0, -0.5
		over 100 thru 400	0, -1
		over 400 thru 600	0, -1.5
		over 600 thru 800	0, -2
		over 800 thru 1000	0, -2.5
		over 1000	0, -3
bolt hole	bolt circle dia. c	250&below	±0.5
		over 250 thru 550	±0.6
		over 550 thru 950	±0.8
		over 950 thru 1350	±1
		over 1350	±1.5

Flange Section	Surface Condition	Basic Size	Dimensional Tolerance
Dia. of hub	As forged	-	±0.5
		220&below	+2, 0
		over 220 thru 450	+3, 0
		over 450 thru 650	+4, 0
		over 650 thru 850	+6, 0
		over 850 thru 1000	+7, 0
		over 1000	+8, 0
	Finish	220&below	+1, 0
		over 220 thru 450	+1.5, 0
		over 450 thru 650	+2, 0
		over 650 thru 850	+2.5, 0
		over 850 thru 1000	+3, 0
		over 1000	+3.5, 0
Gasket seat	c1, c2, c3, c4	500&below	±0.3
		over 500 thru 1000	±0.35
		over 1000 thru 1500	±0.4
		over 1500	±0.5
	f4f3	8&below	±0.2
		over 8	±0.25
	g	200&below	±0.8
		over 200 thru 650	±0.9
		over 650 thru 1000	±1
		over 1000	±1.2
Thickness t	One-side finish	20&below	+1.5, 0
		over 20 thru 50	+2, 0
		over 50 thru 100	+3, 0
	Bolt-side finish	20&below	+1, 0
		over 20 thru 50	+1.5, 0
		over 50 thru 100	+2, 0
Hub Height T	Flange with Pipe Inserted	50&below	±1
		over 50 thru 100	±1.5
		over 100 thru 200	±2
	Flange with Bolt-welded Pipe	over 200&below	+2, 0
		over 200 thru 300	+3, 0