

Compiled By: Mike Heaviside
 Position: Engineering Team Leader
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 Checked By: Gary McIntyre
 Position: Design Engineer
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ASME B16.5 Weld Neck Flanges - HL Tensioner Selection Chart

Nominal Pipe Size	CLASS 150			CLASS 300			CLASS 400			CLASS 600			CLASS 900			CLASS 1500			CLASS 2500		
	No. of Bolts	Bolt Dia.	Tool No.	No. of Bolts	Bolt Dia.	Tool No.	No. of Bolts	Bolt Dia.	Tool No.	No. of Bolts	Bolt Dia.	Tool No.	No. of Bolts	Bolt Dia.	Tool No.	No. of Bolts	Bolt Dia.	Tool No.	No. of Bolts	Bolt Dia.	Tool No.
1.1/2"																			4	1.1/8"	HT01
2"																8	7/8"	HT02	8	1"	HT01
2.1/2"																8	1"	HT01	8	1.1/8"	HT01
3"													8	7/8"	HT02	8	1.1/8"	HT01	8	1.1/4"	HL01,HL02
3.1/2"				8	3/4"	HT02															
4"				8	3/4"	HT02	8	7/8"	HT02	8	7/8"	HT02	8	1.1/8"	HT01	8	1.1/4"	HL01	8	1.1/2"	HL02,HL03
5"				8	3/4"	HT02	8	7/8"	HT01	8	1"	HT01	8	1.1/4"	HL01,HL02	8	1.1/2"	HL02,HL03	8	1.3/4"	HL03,HL04
6"				12	3/4"	HT02	12	7/8"	HT02	12	1"	HT01	12	1.1/8"	HT01	12	1.3/8"	HL01,HL02	8	2"	HL04
8"				12	7/8"	HT02	12	1"	HT01	12	1.1/8"	HT01	12	1.3/8"	HL01,HL02	12	1.5/8"	HL03	12	2"	HL04
10"				16	1"	HT01	16	1.1/8"	HT01	16	1.1/4"	HL01,HL02	16	1.3/8"	HL01,HL02	12	1.7/8"	HL04	12	2.1/2"	HL06
12"	12	7/8"	HT02	16	1.1/8"	HT01	16	1.1/4"	HL01	20	1.1/4"	HL01,HL02	20	1.3/8"	HL01,HL02	16	2"	HL04,HL05	12	2.3/4"	HL07
14"	12	1"	HT01	20	1.1/8"	HT01	20	1.1/4"	HL01,HL02	20	1.3/8"	HL01,HL02	20	1.1/2"	HL02	16	2.1/4"	HL05			
16"	16	1"	HT01	20	1.1/4"	HL01,HL02	20	1.3/8"	HL01,HL02	20	1.1/2"	HL02,HL03	20	1.5/8"	HL03	16	2.1/2"	HL06,HL07			
18"	16	1.1/8"	HT01	24	1.1/4"	HL01,HL02	24	1.3/8"	HL01,HL02	20	1.5/8"	HL03,HL04	20	1.7/8"	HL04	16	2.3/4"	HL07,HL08			
20"	20	1.1/8"	HT01	24	1.1/4"	HL01,HL02	24	1.1/2"	HL02,HL03	24	1.5/8"	HL03	20	2"	HL04,HL05	16	3"	HL08			
24"	20	1.1/4"	HL01	24	1.1/2"	HL02,HL03	24	1.3/4"	HL03,HL04	24	1.7/8"	HL04,HL05	20	2.1/2"	HL06,HL07	16	3.1/2"	HL85			