

Nominal pipe size		Studbolts For class 150 flanges						Studbolts For class 300 flanges						
		DN	NPS	Numb. Of bolts	Diameter of bolts		Length of bolts		Numb. Of bolts	Diameter of bolts		Length of bolts		Ring size
					UNC Inches	ISO mm	1,6 mm RF mm	Ring joint mm		Ring size	UNC Inches	ISO mm	1,6 mm RF mm	
15	1/2	4	1/2	M 14	60			4	1/2	M 14	65	80	R11	
20	3/4	4	1/2	M 14	65			4	5/8	M 16	80	90	R13	
25	1	4	1/2	M 14	65	80	R15	4	5/8	M 16	80	90	R16	
32	1.1/4	4	1/2	M 14	70	85	R17	4	5/8	M 16	85	95	R18	
40	1.1/2	4	1/2	M 14	70	85	R19	4	3/4	M 20	90	100	R20	
50	2	4	5/8	M 16	85	95	R22	8	5/8	M 16	90	100	R23	
65	2.1/2	4	5/8	M 16	90	100	R25	8	3/4	M 20	100	115	R26	
80	3	4	5/8	M 16	90	100	R29	8	3/4	M 20	110	120	R31	
	3.1/2	8	5/8	M 16	90	100	R33	8	3/4	M 20	110	130	R34	
100	4	8	5/8	M 16	90	100	R36	8	3/4	M 20	115	130	R37	
125	5	8	3/4	M 20	95	110	R40	8	3/4	M 20	120	135	R41	
150	6	8	3/4	M 20	100	115	R43	12	3/4	M 20	125	140	R45	
200	8	8	3/4	M 20	110	120	R48	12	7/8	M 24	140	155	R49	
250	10	12	7/8	M 24	115	130	R52	16	1	M 27	160	170	R53	
300	12	12	7/8	M 24	120	135	R56	16	1.1/8	M 30	170	185	R57	
350	14	12	1	M 27	135	150	R59	20	1.1/8	M 30	175	190	R61	
400	16	16	1	M 30	135	150	R64	20	1.1/4	M 33	190	205	R65	
450	18	18	1.1/8	M 30	150	160	R68	24	1.1/4	M 33	195	210	R69	
500	20	20	1.1/8	M 30	160	170	R72	24	1.1/4	M 33	205	225	R73	
600	24	20	1.1/4	M 33	175	185	R76	24	1.1/2	M 39	230	255	R77	

Nominal pipe size		Studbolts For class 600 flanges						Studbolts For class 900 flanges						
		DN	NPS	Numb. Of bolts	Diameter of bolts		Length of bolts		Numb. Of bolts	Diameter of bolts		Length of bolts		Ring size
					UNC Inches	ISO mm	6,4 mm RF mm	Ring joint mm		Ring size	UNC Inches	ISO mm	6,4 mm RF mm	
15	1/2	4	1/2	M 14	75	75	R11	4	3/4	M 20	105	105	R12	
20	3/4	4	5/8	M 16	90	90	R13	4	3/4	M 20	115	115	R14	
25	1	4	5/8	M 16	90	90	R16	4	7/8	M 24	125	125	R16	
32	1.1/4	4	5/8	M 16	95	95	R18	4	7/8	M 24	125	125	R18	
40	1.1/2	4	3/4	M 20	110	110	R20	4	1	M 27	140	140	R20	
50	2	8	5/8	M 16	110	110	R23	8	7/8	M 24	145	145	R24	
65	2.1/2	8	3/4	M 20	120	120	R26	8	1	M 27	160	160	R27	
80	3	8	3/4	M 20	125	130	R30	8	7/8	M 24	145	145	R31	
	3.1/2	8	7/8	M 24	140	140	R34							
100	4	8	7/8	M 24	145	145	R37	8	1/8	M 30	170	170	R37	
125	5	8	1	M 27	165	165	R41	8	1.1/4	M 33	190	190	R41	
150	6	12	1	M 27	170	175	R45	12	1.1/8	M 30	190	195	R45	
200	8	12	1.1/8	M 30	190	195	R49	12	1.3/8	M 36	220	220	R49	
250	10	16	1.1/4	M 33	215	215	R53	16	1.3/8	M 36	235	235	R53	
300	12	20	1.1/4	M 33	225	225	R57	20	1.3/8	M 36	255	255	R57	
350	14	20	1.3/8	M 36	235	235	R61	20	1.1/2	M 39	275	280	R62	
400	16	20	1.1/2	M 39	255	255	R65	20	1.5/8	M 42	285	295	R66	
450	18	20	1.5/8	M 42	275	275	R69	20	1.7/8	M 48	325	340	R70	
500	20	24	1.5/8	M 42	290	295	R73	20	2	M 52	350	360	R74	
600	24	24	1.7/8	M 48	330	335	R77	20	2.1/2	M 64	440	455	R78	

Nominal pipe size		Studbolts For class 1500 flanges						Studbolts For class 2500 flanges						
		DN	NPS	Numb. Of bolts	Diameter of bolts		Length of bolts		Numb. Of bolts	Diameter of bolts		Length of bolts		Ring size
					UNC Inches	ISO mm	6,4 mm RF mm	Ring joint mm		Ring size	UNC Inches	ISO mm	6,4 mm RF mm	
15	1/2	4	3/4	M 20	105	105	R12	4	3/4	M 20	120	120	R13	
20	3/4	4	3/4	M 20	115	115	R14	4	3/4	M 20	125	125	R16	
25	1	4	7/8	M 24	125	125	R16	4	7/8	M 24	140	140	R18	
32	1.1/4	4	7/8	M 24	125	125	R18	4	1	M 27	150	150	R21	
40	1.1/2	4	1	M 27	140	140	R20	4	1.1/8	M 30	170	170	R23	
50	2	8	7/8	M 24	145	145	R24	8	1	M 27	180	180	R26	
65	2.1/2	8	1	M 27	160	160	R27	8	1.1/8	M 30	195	205	R28	
80	3	8	1.1/8	M 30	180	180	R35	8	1.1/4	M 33	220	230	R32	
100	4	8	1.1/4	M 33	200	200	R39	8	1.1/2	M 39	255	260	R38	
125	5	8	1.1/2	M 39	250	250	R44	8	1.3/4	M 45	300	310	R42	
150	6	12	1.3/8	M 36	260	265	R46	8	2	M 52	345	355	R47	
200	8	12	1.5/8	M 42	290	320	R50	12	2	M 52	380	395	R51	
250	10	12	1.7/8	M 48	335	345	R54	12	2.1/2	M 64	490	510	R55	
300	12	16	2	M 52	375	390	R58	12	2.3/4	M 70	540	560	R60	
350	14	16	2.1/4	M 56	405	425	R63							
400	16	16	2.1/2	M 64	445	470	R67							
450	18	16	2.3/4	M 70	495	530	R71							
500	20	16	3	M 76	540	565	R75							
600	24	16	3.1/2	M 90	615	645	R79							