

**Flange Tables**

**1/2"**

**15 mm  
Nominal Bore**

**Flange Tables**

**3/4"**

**20 mm  
Nominal Bore**

	Table Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange			Table Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange					
								Grey cast iron	Copper alloy	Cast and forged steel								Grey cast iron	Copper alloy	Cast and forged steel			
<b>B.S.</b>	<b>A</b>	3 3/4"	2 5/8"	4	1/2"	5/16"	—	—	1/2"	1/4"	—	<b>B.S.</b>	<b>A</b>	4"	2 1/4"	4	1/2"	5/16"	—	—	1/2"	1/4"	—
	<b>D</b>	3 3/4"	2 5/8"	4	1/2"	5/16"	—	—	1/2"	1/4"	3/8"		<b>D</b>	4"	2 3/8"	4	1/2"	5/16"	—	—	1/2"	1/4"	3/8"
	<b>E</b>	3 3/4"	2 5/8"	4	1/2"	5/16"	—	—	1/2"	1/4"	3/8"		<b>E</b>	4"	2 3/8"	4	1/2"	5/16"	—	—	1/2"	1/4"	3/8"
	<b>F</b>	3 3/4"	2 5/8"	4	1/2"	5/16"	—	—	1/2"	5/16"	3/8"		<b>F</b>	4"	2 3/8"	4	1/2"	5/16"	—	—	1/2"	5/16"	3/8"
	<b>H</b>	4 1/2"	3 3/4"	4	5/8"	1 1/16"	2 1/4"	1/16"	5/8"	3/8"	1/2"		<b>H</b>	4 1/2"	3 3/4"	4	5/8"	1 1/16"	2 1/4"	1/16"	5/8"	3/8"	1/2"
	<b>J</b>	4 1/2"	3 3/4"	4	5/8"	1 1/16"	2 1/4"	1/16"	—	5/8"	5/8"		<b>J</b>	4 1/2"	3 3/4"	4	5/8"	1 1/16"	2 1/4"	1/16"	—	5/8"	5/8"
	<b>K</b>	4 1/2"	3 3/4"	4	5/8"	1 1/16"	2 1/2"	1/16"	—	3/4"	3/4"		<b>K</b>	4 1/2"	3 3/4"	4	5/8"	1 1/16"	2 1/2"	1/16"	—	3/4"	3/4"
	<b>R</b>	4 1/2"	3 3/4"	4	5/8"	1 1/16"	2 1/2"	1/16"	—	—	3/4"		<b>R</b>	4 1/2"	3 3/4"	4	5/8"	1 1/16"	2 1/2"	1/16"	—	—	3/4"
<b>S</b>	5"	3 1/2"	4	3/4"	7/8"	2 1/2"	1/16"	—	—	7/8"	<b>S</b>	5"	3 1/2"	4	3/4"	7/8"	2 1/2"	1/16"	—	—	7/8"		
<b>T</b>	5 1/2"	4"	4	3/4"	7/8"	2 1/2"	1/16"	—	—	1"	<b>T</b>	5 1/2"	4"	4	3/4"	7/8"	2 1/2"	1/16"	—	—	1"		
<b>A.N.S.I.</b>	<b>125/150</b>	3 1/2"	2 5/8"	4	1/2"	5/8"	1 3/8"	1/16"	—	5/16"	1/16"	<b>A.N.S.I.</b>	<b>125/150</b>	3 7/8"	2 3/4"	4	1/2"	5/8"	1 1/16"	1/16"	—	1 1/32"	5/16"
	<b>300</b>	3 3/4"	2 5/8"	4	1/2"	5/8"	1 3/8"	1/16"	—	1/2"	1/2"		<b>300</b>	4 5/8"	3 1/4"	4	5/8"	3/4"	1 1/16"	1/16"	—	1 7/32"	5/8"
	<b>600</b>	3 3/4"	2 5/8"	4	1/2"	5/8"	1 3/8"	1/4"	—	—	5/16"		<b>600</b>	4 5/8"	3 1/4"	4	5/8"	3/4"	1 1/16"	1/4"	—	—	5/8"
	<b>900</b>	4 3/4"	3 3/4"	4	3/4"	7/8"	1 3/8"	1/4"	—	—	7/8"		<b>900</b>	5 1/8"	3 1/2"	4	3/4"	7/8"	1 1/16"	1/4"	—	—	1"
	<b>1500</b>	4 3/4"	3 3/4"	4	3/4"	7/8"	1 3/8"	1/4"	—	—	7/8"		<b>1500</b>	5 1/8"	3 1/2"	4	3/4"	7/8"	1 1/16"	1/4"	—	—	1"
<b>N.P.</b>	<b>6</b>	80	55	4	M10	11	40	2	12	—	—	<b>N.P.</b>	<b>6</b>	90	65	4	M10	11	50	2	14	—	—
	<b>10</b>	95	65	4	M12	14	45	2	14	—	—		<b>10</b>	105	75	4	M12	14	58	2	16	—	—
	<b>16</b>	95	65	4	M12	14	45	2	14	6	16		<b>16</b>	105	75	4	M12	14	58	2	16	6	18
	<b>25</b>	95	65	4	M12	14	45	2	16	8	16		<b>25</b>	105	75	4	M12	14	58	2	18	8	18
	<b>40</b>	95	65	4	M12	14	45	2	—	9	16		<b>40</b>	105	75	4	M12	14	58	2	—	9	18
	<b>64</b>	105	75	4	M12	14	45	2	—	—	20		<b>64</b>	130	90	4	M16	18	58	2	—	—	22
	<b>100</b>	105	75	4	M12	14	45	2	—	—	20		<b>100</b>	130	90	4	M16	18	58	2	—	—	22
	<b>160</b>	105	75	4	M12	14	45	2	—	—	20		<b>160</b>	130	90	4	M16	18	58	2	—	—	22
<b>250</b>	130	90	4	M12	18	45	2	—	—	26	<b>250</b>	135	95	4	M16	18	58	2	—	—	28		

**Flange Tables**

**Flange Tables**

**1"**

**25 mm  
Nominal Bore**

**Flange Tables**

**1 1/4"**

**32 mm  
Nominal Bore**

	Table Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange			Table Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange					
								Grey cast iron	Copper alloy	Cast and forged steel								Grey cast iron	Copper alloy	Cast and forged steel			
<b>B.S.</b>	<b>A</b>	4 1/2"	3 1/4"	4	1/2"	5/16"	—	—	1/2"	5/16"	—	<b>B.S.</b>	<b>A</b>	4 3/4"	3 7/16"	4	1/2"	5/16"	—	—	5/8"	5/16"	—
	<b>D</b>	4 1/2"	3 1/4"	4	1/2"	5/16"	—	—	1/2"	5/16"	3/8"		<b>D</b>	4 3/4"	3 7/16"	4	1/2"	5/16"	—	—	5/8"	5/16"	1/2"
	<b>E</b>	4 1/2"	3 1/4"	4	1/2"	5/16"	—	—	1/2"	5/16"	3/8"		<b>E</b>	4 3/4"	3 7/16"	4	1/2"	5/16"	—	—	5/8"	5/16"	1/2"
	<b>F</b>	4 3/4"	3 7/16"	4	5/8"	1 1/16"	—	—	1/2"	3/8"	3/8"		<b>F</b>	5 1/4"	3 7/8"	4	5/8"	1 1/16"	—	—	5/8"	3/8"	1/2"
	<b>H</b>	4 3/4"	3 7/16"	4	5/8"	1 1/16"	2 1/2"	1/16"	3/4"	7/16"	5/16"		<b>H</b>	5 1/4"	3 7/8"	4	5/8"	1 1/16"	3"	1/16"	7/8"	7/16"	1 1/16"
	<b>J</b>	4 3/4"	3 7/16"	4	5/8"	1 1/16"	2 1/2"	1/16"	—	3/4"	3/4"		<b>J</b>	5 1/4"	3 7/8"	4	5/8"	1 1/16"	3"	1/16"	—	3/4"	3/4"
	<b>K</b>	5"	3 3/4"	4	5/8"	1 1/16"	3"	1/16"	—	7/8"	7/8"		<b>K</b>	5 1/4"	3 7/8"	4	5/8"	1 1/16"	3"	1/16"	—	7/8"	7/8"
	<b>R</b>	5"	3 3/4"	4	5/8"	1 1/16"	3"	1/16"	—	—	7/8"		<b>R</b>	5 1/4"	3 7/8"	4	5/8"	1 1/16"	3"	1/16"	—	—	7/8"
	<b>S</b>	5 1/2"	4"	4	3/4"	7/8"	3"	1/16"	—	—	1"		<b>S</b>	5 3/4"	4 1/4"	4	3/4"	7/8"	3 1/4"	1/16"	—	—	1 1/8"
<b>T</b>	5 3/4"	4 1/4"	4	3/4"	7/8"	3"	1/16"	—	—	1 1/8"	<b>T</b>	6 1/2"	4 3/4"	4	7/8"	1"	3 1/4"	1/16"	—	—	1 1/4"		
<b>A.N.S.I.</b>	<b>125/150</b>	4 1/4"	3 1/8"	4	1/2"	5/8"	2"	1/16"	7/16"	3/8"	7/16"	<b>A.N.S.I.</b>	<b>125/150</b>	4 5/8"	3 1/2"	4	1/2"	5/8"	2 1/2"	1/16"	1/2"	1 3/32"	1/2"
	<b>300</b>	4 7/8"	3 1/2"	4	5/8"	3/4"	2"	1/16"	—	1 3/32"	1 1/16"		<b>300</b>	5 1/4"	3 7/8"	4	5/8"	3/4"	2 1/2"	1/16"	—	5/8"	3/4"
	<b>600</b>	4 7/8"	3 1/2"	4	5/8"	3/4"	2"	1/4"	—	—	1 1/16"		<b>600</b>	5 1/4"	3 7/8"	4	5/8"	3/4"	2 1/2"	1/4"	—	—	1 3/16"
	<b>900</b>	5 7/8"	4"	4	7/8"	1"	2"	1/4"	—	—	1 1/8"		<b>900</b>	6 1/4"	4 3/8"	4	7/8"	1"	2 1/2"	1/4"	—	—	1 1/8"
	<b>1500</b>	5 7/8"	4"	4	7/8"	1"	2"	1/4"	—	—	1 1/8"		<b>1500</b>	6 1/4"	4 3/8"	4	7/8"	1"	2 1/2"	1/4"	—	—	1 1/8"
<b>N.P.</b>	<b>6</b>	100	75	4	M10	11	60	2	14	—	—	<b>N.P.</b>	<b>6</b>	120	90	4	M12	14	70	2	16	—	—
	<b>10</b>	115	85	4	M12	14	68	2	16	—	—		<b>10</b>	140	100	4	M16	18	78	2	18	—	—
	<b>16</b>	115	85	4	M12	14	68	2	16	8	18		<b>16</b>	140	100	4	M16	18	78	2	18	8	18
	<b>25</b>	115	85	4	M12	14	68	2	18	8	18		<b>25</b>	140	100	4	M16	18	78	2	20	9	18
	<b>40</b>	115	85	4	M12	14	68	2	—	11	18		<b>40</b>	140	100	4	M16	18	78	2	—	11	18
	<b>64</b>	140	100	4	M16	18	68	2	—	—	24		<b>64</b>	155	110	4	M20	22	78	2	—	—	26
	<b>100</b>	140	100	4	M16	18	68	2	—	—	24		<b>100</b>	155	110	4	M20	22	78	2	—	—	26
	<b>160</b>	140	100	4	M16	18	68	2	—	—	24		<b>160</b>	155	110	4	M20	22	78	2	—	—	26
	<b>250</b>	150	105	4	M20	22	68	2	—	—	28		<b>250</b>	165	120	4	M20	22	78	2	—	—	32

**Flange Tables**

**1 1/2"**

**40 mm  
Nominal Bore**

**Flange Tables**

**2"**

**50 mm  
Nominal Bore**

	Table	Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange		
									Grey cast iron	Copper alloy	Cast and forged steel
<b>B.S.</b>	<b>A</b>	5 1/4"	3 3/8"	4	1/2"	3/16"	—	—	3/8"	3/8"	—
	<b>D</b>	5 1/4"	3 3/8"	4	1/2"	3/16"	—	—	3/8"	3/8"	1/2"
	<b>E</b>	5 1/4"	3 3/8"	4	1/2"	3/16"	—	—	3/8"	3/8"	1/2"
	<b>F</b>	5 1/2"	4 1/8"	4	3/8"	1/16"	—	—	3/8"	1/16"	1/2"
	<b>H</b>	5 1/2"	4 1/8"	4	3/8"	1/16"	3/4"	1/16"	7/8"	1/2"	1/16"
	<b>J</b>	5 1/2"	4 1/8"	4	3/8"	1/16"	3/4"	1/16"	—	7/8"	7/8"
	<b>K</b>	6"	4 1/2"	4	3/4"	7/8"	3/2"	1/16"	—	1"	1"
	<b>R</b>	6"	4 1/2"	4	3/4"	7/8"	3/2"	1/16"	—	—	1"
<b>S</b>	6 1/4"	4 3/4"	4	3/4"	7/8"	3/2"	1/16"	—	—	1 1/8"	
<b>T</b>	6 3/4"	5 1/4"	8	3/4"	7/8"	3/2"	1/16"	—	—	1 3/8"	

	Table	Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange		
									Grey cast iron	Copper alloy	Cast and forged steel
<b>B.S.</b>	<b>A</b>	6"	4 1/2"	4	3/8"	1/16"	—	—	3/8"	3/8"	—
	<b>D</b>	6"	4 1/2"	4	3/8"	1/16"	—	—	1/16"	3/8"	3/8"
	<b>E</b>	6"	4 1/2"	4	3/8"	1/16"	—	—	3/4"	3/8"	3/8"
	<b>F</b>	6 1/2"	5"	4	3/8"	1/16"	—	—	3/4"	7/16"	5/8"
	<b>H</b>	6 1/2"	5"	4	3/8"	1/16"	4"	1/16"	1"	1/2"	3/4"
	<b>J</b>	6 1/2"	5"	4	3/4"	7/8"	4"	1/16"	—	1"	1"
	<b>K</b>	6 1/2"	5"	8	3/8"	1/16"	4"	1/16"	—	1"	1"
	<b>R</b>	6 1/2"	5"	8	3/8"	1/16"	4"	1/16"	—	—	1"
<b>S</b>	6 3/4"	5 1/4"	8	3/4"	7/8"	3 1/2"	1/16"	—	—	1 1/4"	
<b>T</b>	7 1/4"	5 3/4"	8	3/4"	7/8"	4"	1/16"	—	—	1 3/8"	

<b>A.N.S.I.</b>	<b>125/150</b>	5"	3 3/8"	4	1/2"	5/8"	2 3/8"	1/16"	3/16"	1/16"	3/16"
	<b>300</b>	6 1/8"	4 1/2"	4	3/4"	7/8"	2 3/8"	1/16"	—	1/16"	1 3/16"
	<b>600</b>	6 1/8"	4 1/2"	4	3/4"	7/8"	2 3/8"	1/4"	—	—	7/8"
	<b>900</b>	7"	4 7/8"	4	1"	1 1/8"	2 3/8"	1/4"	—	—	1 1/4"
<b>1500</b>	7"	4 7/8"	4	1"	1 1/8"	2 3/8"	1/4"	—	—	1 1/4"	

<b>A.N.S.I.</b>	<b>125/150</b>	6"	4 3/4"	4	3/8"	3/4"	3 3/8"	1/16"	3/8"	1/2"	3/8"
	<b>300</b>	6 1/2"	5"	8	3/8"	3/4"	3 3/8"	1/16"	—	3/4"	7/8"
	<b>600</b>	6 1/2"	5"	8	3/8"	3/4"	3 3/8"	1/4"	—	—	1"
	<b>900</b>	8 1/2"	6 1/2"	8	7/8"	1"	3 3/8"	1/4"	—	—	1 1/2"
<b>1500</b>	8 1/2"	6 1/2"	8	7/8"	1"	3 3/8"	1/4"	—	—	1 1/2"	

<b>N.P.</b>	<b>6</b>	130	100	4	M12	14	80	3	16	—	—
	<b>10</b>	150	110	4	M16	18	88	3	18	—	—
	<b>16</b>	150	110	4	M16	18	88	3	18	9	18
	<b>25</b>	150	110	4	M16	18	88	3	20	11	18
	<b>40</b>	150	110	4	M16	18	88	3	—	13	18
	<b>64</b>	170	125	4	M20	22	88	3	—	—	28
	<b>100</b>	170	125	4	M20	22	88	3	—	—	28
	<b>160</b>	170	125	4	M20	22	88	3	—	—	28
<b>250</b>	185	135	4	M24	26	88	3	—	—	34	

<b>N.P.</b>	<b>6</b>	140	110	4	M12	14	90	3	16	—	—
	<b>10</b>	165	125	4	M16	18	102	3	20	—	—
	<b>16</b>	165	125	4	M16	18	102	3	20	11	20
	<b>25</b>	165	125	4	M16	18	102	3	22	11	20
	<b>40</b>	165	125	4	M16	18	102	3	—	13	20
	<b>64</b>	180	135	4	M20	22	102	3	—	—	26
	<b>100</b>	195	145	4	M24	26	102	3	—	—	30
	<b>160</b>	195	145	4	M24	26	102	3	—	—	30
<b>250</b>	200	150	8	M24	26	102	3	—	—	38	

**Flange Tables**

Flange Tables

2 1/2"

65 mm  
Nominal Bore

Flange Tables

3"

80 mm  
Nominal Bore

	Table Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange			Table Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange				
								Grey cast iron	Copper alloy	Cast and forged steel								Grey cast iron	Copper alloy	Cast and forged steel		
B.S.	A	6 1/2"	5"	4	3/8"	1 1/8"	—	1 1/8"	7/16"	—	A	7 1/4"	5 3/4"	4	5/8"	1 1/8"	—	1 1/8"	1/2"	—		
	D	6 1/2"	5"	4	3/8"	1 1/8"	—	1 1/8"	7/16"	3/16"	D	7 1/4"	5 3/4"	4	5/8"	1 1/8"	—	3/4"	1/2"	3/16"		
	E	6 1/2"	5"	4	3/8"	1 1/8"	—	3/4"	7/16"	3/16"	E	7 1/4"	5 3/4"	4	5/8"	1 1/8"	—	3/4"	1/2"	3/16"		
	F	7 1/4"	5 1/4"	8	3/8"	1 1/8"	—	3/4"	1/2"	5/8"	F	8"	6 1/2"	8	5/8"	1 1/8"	—	3/4"	3/16"	5/8"		
	H	7 1/4"	5 3/4"	8	3/8"	1 1/8"	4 1/2"	1/8"	1"	3/16"	3/4"	H	8"	6 1/2"	8	5/8"	1 1/8"	5"	1/8"	1 1/8"	5/8"	3/8"
	J	7 1/4"	5 3/4"	8	3/4"	7/8"	4 1/2"	1/8"	—	1"	1"	J	8"	6 1/2"	8	3/4"	7/8"	5"	1/8"	—	1 1/4"	1 1/4"
	K	7 1/4"	5 3/4"	8	3/4"	7/8"	4 1/2"	1/8"	—	1 1/8"	1 1/8"	K	8"	6 1/2"	8	3/4"	7/8"	5"	1/8"	—	1 1/4"	1 1/4"
	R	7 1/4"	5 3/4"	8	3/4"	7/8"	4 1/2"	1/8"	—	—	1 1/8"	R	8"	6 1/2"	8	3/4"	7/8"	5"	1/8"	—	—	1 1/4"
	S	7 1/4"	5 3/4"	8	3/4"	7/8"	4"	1/8"	—	—	1 1/4"	S	8"	6 1/2"	8	7/8"	1"	4 1/2"	1/8"	—	—	1 1/8"
T	8"	6 1/2"	8	7/8"	1"	4 1/2"	1/8"	—	—	1 1/8"	T	9 1/4"	7 1/2"	8	1"	1 1/8"	5"	1/8"	—	—	1 1/8"	
A.N.S.I.	125/150	7"	5 1/2"	4	5/8"	3/4"	4 1/8"	1/8"	1 1/8"	3/16"	1 1/8"	125/150	7 1/2"	6"	4	5/8"	3/4"	5"	1/8"	3/4"	5/8"	3/4"
	300	7 1/2"	5 5/8"	8	3/4"	7/8"	4 1/8"	1/8"	—	1 3/16"	1"	300	8 1/4"	6 3/8"	8	3/4"	7/8"	5"	1/8"	—	2 3/32"	1 1/8"
	600	7 1/2"	5 5/8"	8	3/4"	7/8"	4 1/8"	1/4"	—	—	1 1/8"	600	8 1/4"	5 5/8"	8	3/4"	7/8"	5"	1/4"	—	—	1 1/4"
	900	9 5/8"	7 1/2"	8	1"	1 1/8"	4 1/8"	1/4"	—	—	1 5/8"	900	9 1/2"	7 1/2"	8	7/8"	1"	5"	1/4"	—	—	1 1/2"
	1500	9 5/8"	7 1/2"	8	1"	1 1/8"	4 1/8"	1/4"	—	—	1 5/8"	1500	10 1/2"	8"	8	1 1/8"	1 1/4"	5"	1/4"	—	—	1 7/8"
N.P.	6	160	130	4	M12	14	110	3	16	—	—	6	190	150	4	M16	18	128	3	18	—	—
	10	185	145	4	M16	18	122	3	20	—	—	10	200	160	8	M16	18	138	3	22	—	—
	16	185	145	4	M16	18	122	3	20	13	18	16	200	160	8	M16	18	138	3	22	13	20
	25	185	145	8	M16	18	122	3	24	13	22	25	200	160	8	M16	18	138	3	26	14	24
	40	185	145	8	M16	18	122	3	—	14	22	40	200	160	8	M16	18	138	3	—	16	24
	64	205	160	8	M20	22	122	3	—	—	26	64	215	170	8	M20	22	138	3	—	—	28
	100	220	170	8	M24	26	122	3	—	—	34	100	230	180	8	M24	26	138	3	—	—	36
	160	220	170	8	M24	26	122	3	—	—	34	160	230	180	8	M24	26	138	3	—	—	36
	250	230	180	8	M24	26	122	3	—	—	42	250	255	200	8	M27	30	138	3	—	—	46

**Flange Tables**

**4"**

**100 mm  
Nominal Bore**

**Flange Tables**

**5"**

**125 mm  
Nominal Bore**

	Table Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange			Table Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange					
								Grey cast iron	Copper alloy	Cast and forged steel								Grey cast iron	Copper alloy	Cast and forged steel			
<b>B.S.</b>	<b>A</b>	8 1/2"	7"	4	5/8"	1 1/8"	—	3/4"	5/8"	—	<b>B.S.</b>	<b>A</b>	10"	8 1/4"	4	5/8"	1 1/8"	—	3/4"	5/8"	—		
	<b>D</b>	8 1/2"	7"	4	5/8"	1 1/8"	—	3/4"	5/8"	1 1/8"		<b>D</b>	10"	8 1/4"	8	5/8"	1 1/8"	—	1 3/16"	5/8"	1 1/8"		
	<b>E</b>	8 1/2"	7"	8	5/8"	1 1/8"	—	7/8"	5/8"	1 1/8"		<b>E</b>	10"	8 1/4"	8	5/8"	1 1/8"	—	7/8"	5/8"	1 1/8"		
	<b>F</b>	9"	7 1/2"	8	5/8"	1 1/8"	—	7/8"	1 1/8"	3/4"		<b>F</b>	11"	9 1/4"	8	3/4"	7/8"	—	1"	1 1/8"	7/8"		
	<b>H</b>	9"	7 1/2"	8	5/8"	1 1/8"	6"	1/2"	1 1/4"	3/4"		1"	<b>H</b>	11"	9 1/4"	8	3/4"	7/8"	7"	1/2"	1 3/8"	3/4"	1 1/8"
	<b>J</b>	9"	7 1/2"	8	3/4"	7/8"	6"	1/2"	—	1 3/8"		1 3/8"	<b>J</b>	11"	9 1/4"	8	7/8"	1"	7"	1/2"	—	1 3/8"	1 1/2"
	<b>K</b>	9 1/2"	7 3/4"	8	7/8"	1"	6"	1/2"	—	1 3/8"		1 3/8"	<b>K</b>	11"	9 1/4"	12	7/8"	1"	7"	1/2"	—	1 3/8"	1 3/8"
	<b>R</b>	9 1/2"	7 3/4"	8	7/8"	1"	6"	1/2"	—	—		1 3/8"	<b>R</b>	11"	9 1/4"	12	7/8"	1"	7"	1/2"	—	—	1 3/8"
	<b>S</b>	9 3/4"	8"	8	1"	1 1/8"	6 1/4"	1/2"	—	—		1 5/8"	<b>S</b>	11 1/4"	9 1/4"	12	7/8"	1"	7 1/2"	1/2"	—	—	1 3/4"
<b>T</b>	11 1/4"	9 1/4"	8	1 1/8"	1 1/4"	6 1/4"	1/2"	—	—	2 1/4"	<b>T</b>	12 3/4"	10 3/4"	12	1 1/8"	1 1/4"	8 1/4"	1/2"	—	—	2 5/8"		
<b>A.N.S.I.</b>	<b>125/150</b>	9"	7 1/2"	8	5/8"	3/4"	6 3/16"	1/2"	1 5/16"	1 1/8"	<b>A.N.S.I.</b>	<b>125/150</b>	10"	8 1/2"	8	3/4"	7/8"	7 5/16"	1/2"	1 5/16"	3/4"	1 1/8"	
	<b>300</b>	10"	7 7/8"	8	3/4"	7/8"	6 3/16"	1/2"	—	1 1/8"		1 1/4"	<b>300</b>	11"	9 1/4"	8	3/4"	7/8"	7 5/16"	1/2"	—	1 1/8"	1 3/8"
	<b>600</b>	10 3/4"	8 1/2"	8	7/8"	1"	6 3/16"	1/4"	—	—		1 1/2"	<b>600</b>	13"	10 1/2"	8	1"	1 1/8"	7 5/16"	1/4"	—	—	1 3/4"
	<b>900</b>	11 1/2"	9 1/4"	8	1 1/8"	1 1/4"	6 3/16"	1/4"	—	—		1 3/4"	<b>900</b>	13 3/4"	11"	8	1 1/4"	1 3/8"	7 5/16"	1/4"	—	—	2"
	<b>1500</b>	12 1/4"	9 1/2"	8	1 1/4"	1 3/8"	6 3/16"	1/4"	—	—		2 3/8"	<b>1500</b>	14 3/4"	11 1/2"	8	1 1/2"	1 5/8"	7 5/16"	1/4"	—	—	2 7/8"
<b>N.P.</b>	<b>6</b>	210	170	4	M16	18	148	3	18	—	<b>N.P.</b>	<b>6</b>	240	200	8	M16	18	178	3	20	—	—	
	<b>10</b>	220	180	8	M16	18	158	3	24	—		<b>10</b>	250	210	8	M16	18	188	3	26	—	—	
	<b>16</b>	220	180	8	M16	18	158	3	24	16		20	<b>16</b>	250	210	8	M16	18	188	3	26	—	22
	<b>25</b>	235	190	8	M20	22	162	3	28	17		24	<b>25</b>	270	220	8	M24	26	188	3	30	—	26
	<b>40</b>	235	190	8	M20	22	162	3	—	19		24	<b>40</b>	270	220	8	M24	26	188	3	—	—	26
	<b>64</b>	250	200	8	M24	26	162	3	—	—		30	<b>64</b>	295	240	8	M27	30	188	3	—	—	34
	<b>100</b>	265	210	8	M27	30	162	3	—	—		40	<b>100</b>	315	250	8	M30	33	188	3	—	—	40
	<b>160</b>	265	210	8	M27	30	162	3	—	—		40	<b>160</b>	315	250	8	M30	33	188	3	—	—	44
	<b>250</b>	300	230	8	M30	33	162	3	—	—		54	<b>250</b>	340	275	12	M30	33	188	3	—	—	60

**Flange Tables**

**Flange Tables**

**6"**

**150 mm  
Nominal Bore**

**Flange Tables**

**7"**

**175 mm  
Nominal Bore**

	Table of flange	Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange		
									Grey cast iron	Copper alloy	Cast and forged steel
<b>B.S.</b>	<b>A</b>	11"	9 1/4"	4	5/8"	1 1/8"	—	—	1 3/16"	1 1/8"	—
	<b>D</b>	11"	9 1/4"	8	5/8"	1 1/8"	—	—	1 3/16"	1 1/8"	1 1/8"
	<b>E</b>	11"	9 1/4"	8	3/4"	7/8"	—	—	7/8"	1 1/8"	1 1/8"
	<b>F</b>	12"	10 1/4"	12	3/4"	7/8"	—	—	1"	7/8"	7/8"
	<b>H</b>	12"	10 1/4"	12	3/4"	7/8"	8 1/4"	1/8"	1 3/8"	1"	1 1/8"
	<b>J</b>	12"	10 1/4"	12	7/8"	1"	8 1/4"	1/8"	—	1 1/2"	1 1/2"
	<b>K</b>	12"	10 1/4"	12	7/8"	1"	8 1/4"	1/8"	—	1 5/8"	1 5/8"
	<b>R</b>	12"	10 1/4"	12	7/8"	1"	8 1/4"	1/8"	—	—	1 3/4"
<b>S</b>	12 3/4"	10 3/4"	12	1"	1 1/8"	8 1/4"	1/8"	—	—	2"	
<b>T</b>	14 3/4"	12 1/2"	12	1 1/4"	1 1/4"	9"	1/8"	—	—	2 7/8"	

	Table of flange	Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange		
									Grey cast iron	Copper alloy	Cast and forged steel
<b>B.S.</b>	<b>A</b>	12"	10 1/4"	8	5/8"	1 1/8"	—	—	1 3/16"	3/4"	—
	<b>D</b>	12"	10 1/4"	8	5/8"	1 1/8"	—	—	7/8"	3/4"	3/4"
	<b>E</b>	12"	10 1/4"	8	3/4"	7/8"	—	—	1"	3/4"	3/4"
	<b>F</b>	13 1/4"	11 1/2"	12	3/4"	7/8"	—	—	1"	7/8"	7/8"
	<b>H</b>	13 1/4"	11 1/2"	12	3/4"	7/8"	9 1/4"	1/8"	1 1/2"	1 1/8"	1 1/4"
	<b>J</b>	13 1/4"	11 1/2"	12	7/8"	1"	9 1/4"	1/8"	—	1 3/8"	1 5/8"
	<b>K</b>	13 1/2"	11 1/2"	12	1"	1 1/8"	9 1/4"	1/8"	—	1 3/4"	1 3/4"
	<b>R</b>	13 1/2"	11 1/2"	12	1"	1 1/8"	9 1/4"	1/8"	—	—	1 7/8"
<b>S</b>	14 3/4"	12 1/2"	12	1 1/8"	1 1/4"	9 3/4"	1/8"	—	—	2 1/4"	
<b>T</b>	17"	14 1/2"	12	1 3/8"	1 1/2"	9 3/4"	1/8"	—	—	3 1/4"	

	Table of flange	Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange		
									Grey cast iron	Copper alloy	Cast and forged steel
<b>A.N.S.I.</b>	<b>125/150</b>	11"	9 1/2"	8	3/4"	7/8"	8 1/2"	1/8"	1"	1 3/16"	1"
	<b>300</b>	12 1/2"	10 5/8"	12	3/4"	7/8"	8 1/2"	1/8"	—	1 3/16"	1 7/16"
	<b>600</b>	14"	11 1/2"	12	1"	1 1/8"	8 1/2"	1/4"	—	—	1 7/8"
	<b>900</b>	15"	12 1/2"	12	1 1/8"	1 1/4"	8 1/2"	1/4"	—	—	2 3/16"
<b>1500</b>	15 1/2"	12 1/2"	12	1 3/8"	1 1/2"	8 1/2"	1/4"	—	—	3 1/4"	

	Table of flange	Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange		
									Grey cast iron	Copper alloy	Cast and forged steel
<b>A.N.S.I.</b>	<b>125/150</b>	—	—	—	—	—	—	—	—	—	—
	<b>300</b>	—	—	—	—	—	—	—	—	—	—
	<b>600</b>	—	—	—	—	—	—	—	—	—	—
	<b>900</b>	—	—	—	—	—	—	—	—	—	—
<b>1500</b>	—	—	—	—	—	—	—	—	—	—	

	Table of flange	Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange		
									Grey cast iron	Copper alloy	Cast and forged steel
<b>N.P.</b>	<b>6</b>	265	225	8	M16	18	202	3	20	—	—
	<b>10</b>	285	240	8	M20	22	212	3	26	—	—
	<b>16</b>	285	240	8	M20	22	212	3	26	—	22
	<b>25</b>	300	250	8	M24	26	218	3	34	—	28
	<b>40</b>	300	250	8	M24	26	218	3	—	—	28
	<b>64</b>	345	280	8	M30	33	218	3	—	—	36
	<b>100</b>	355	290	12	M30	33	218	3	—	—	44
	<b>160</b>	355	290	12	M30	33	218	3	—	—	50
<b>250</b>	390	320	12	M33	36	218	3	—	—	68	

	Table of flange	Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange		
									Grey cast iron	Copper alloy	Cast and forged steel
<b>N.P.</b>	<b>6</b>	—	—	—	—	—	—	—	—	—	—
	<b>10</b>	315	270	8	M20	22	242	3	28	—	—
	<b>16</b>	315	270	8	M20	22	242	3	28	—	24
	<b>25</b>	330	280	12	M24	26	248	3	34	—	28
	<b>40</b>	350	295	12	M27	30	260	3	—	—	32
	<b>64</b>	375	310	12	M30	33	260	3	—	—	40
	<b>100</b>	385	320	12	M30	33	260	3	—	—	48
	<b>160</b>	390	320	12	M33	36	260	3	—	—	54
<b>250</b>	430	355	12	M36	39	260	3	—	—	74	

**Flange Tables**

**8"**

**200 mm  
Nominal Bore**

**Flange Tables**

**9"**

**225 mm  
Nominal Bore**

	Table of flange	Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange			Table of flange	Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange			
									Grey cast iron	Copper alloy	Cast and forged steel									Grey cast iron	Copper alloy	Cast and forged steel	
<b>B.S.</b>	<b>A</b>	13 1/4"	11 1/2"	8	5/8"	1 1/8"	—	—	7/8"	3/4"	—	<b>A</b>	14 1/2"	12 3/4"	8	5/8"	1 1/8"	—	—	7/8"	3/4"	—	
	<b>D</b>	13 1/4"	11 1/2"	8	5/8"	1 1/8"	—	—	7/8"	3/4"	3/4"	<b>D</b>	14 1/2"	12 3/4"	8	5/8"	1 1/8"	—	—	7/8"	3/4"	3/4"	
	<b>E</b>	13 1/4"	11 1/2"	8	3/4"	7/8"	—	—	1"	3/4"	3/4"	<b>E</b>	14 1/2"	12 3/4"	12	3/4"	7/8"	—	—	1"	1 1/8"	1 3/8"	
	<b>F</b>	14 1/2"	12 3/4"	12	3/4"	7/8"	—	—	1 1/8"	1"	1"	<b>F</b>	16"	14"	12	7/8"	1"	—	—	1 1/8"	1"	1"	
	<b>H</b>	14 1/2"	12 3/4"	12	3/4"	7/8"	10 1/4"	1/8"	1 1/2"	1 1/4"	1 1/4"	<b>B.S.</b>	<b>H</b>	16"	14"	12	7/8"	1"	11 1/4"	1/8"	1 3/8"	1 3/8"	1 3/8"
	<b>J</b>	14 1/2"	12 3/4"	12	7/8"	1"	10 1/4"	1/8"	—	1 5/8"	1 5/8"	<b>J</b>	16"	14"	12	1"	1 1/8"	11 1/4"	1/8"	—	—	1 3/4"	
	<b>K</b>	14 1/2"	12 3/4"	12	1"	1 1/8"	10 1/4"	1/8"	—	1 7/8"	1 7/8"	<b>K</b>	16"	14"	16	1"	1 1/8"	11 1/4"	1/8"	—	—	2"	
	<b>R</b>	14 1/2"	12 3/4"	12	1"	1 1/8"	10 1/4"	1/8"	—	—	2"	<b>R</b>	16"	14"	16	1"	1 1/8"	11 1/4"	1/8"	—	—	2 1/2"	
	<b>S</b>	16 1/4"	14"	12	1 1/4"	1 3/8"	10 3/4"	1/8"	—	—	2 1/2"	<b>S</b>	17 1/2"	15 1/2"	16	1 1/8"	1 1/4"	11 3/4"	1/8"	—	—	2 5/8"	
<b>T</b>	18 3/4"	16"	12	1 1/2"	1 5/8"	11 3/4"	1/8"	—	—	3 1/2"	<b>T</b>	20"	17 1/2"	16	1 3/8"	1 1/2"	13"	1/8"	—	—	3 3/4"		
<b>A.N.S.I.</b>	<b>125/150</b>	13 1/2"	11 3/4"	8	3/4"	7/8"	10 5/8"	1/8"	1 1/8"	1 1/8"	1 1/8"	<b>125/150</b>	—	—	—	—	—	—	—	—	—	—	
	<b>300</b>	15"	13"	12	7/8"	1"	10 5/8"	1/8"	—	1 3/8"	1 5/8"	<b>300</b>	—	—	—	—	—	—	—	—	—	—	
	<b>600</b>	16 1/2"	13 3/4"	12	1 1/8"	1 1/4"	10 5/8"	1/4"	—	—	2 3/16"	<b>600</b>	—	—	—	—	—	—	—	—	—	—	
	<b>900</b>	18 1/2"	15 1/2"	12	1 3/8"	1 1/2"	10 5/8"	1/4"	—	—	2 1/2"	<b>900</b>	—	—	—	—	—	—	—	—	—	—	—
	<b>1500</b>	19"	15 1/2"	12	1 5/8"	1 3/4"	10 5/8"	1/4"	—	—	3 5/8"	<b>1500</b>	—	—	—	—	—	—	—	—	—	—	—
<b>N.P.</b>	<b>6</b>	320	280	8	M16	18	258	3	22	—	—	<b>6</b>	—	—	—	—	—	—	—	—	—	—	
	<b>10</b>	340	295	8	M20	22	268	3	26	—	—	<b>10</b>	—	—	—	—	—	—	—	—	—	—	
	<b>16</b>	340	295	12	M20	22	268	3	30	—	24	<b>16</b>	—	—	—	—	—	—	—	—	—	—	
	<b>25</b>	360	310	12	M24	26	278	3	34	—	30	<b>25</b>	—	—	—	—	—	—	—	—	—	—	
	<b>40</b>	375	320	12	M27	30	285	3	—	—	34	<b>40</b>	—	—	—	—	—	—	—	—	—	—	
	<b>64</b>	415	345	12	M33	36	285	3	—	—	42	<b>64</b>	—	—	—	—	—	—	—	—	—	—	
	<b>100</b>	430	360	12	M33	36	285	3	—	—	52	<b>100</b>	—	—	—	—	—	—	—	—	—	—	
	<b>160</b>	430	360	12	M33	36	285	3	—	—	60	<b>160</b>	—	—	—	—	—	—	—	—	—	—	
	<b>250</b>	485	400	12	M39	42	285	3	—	—	82	<b>250</b>	—	—	—	—	—	—	—	—	—	—	

**Flange Tables**

Flange Tables

10"

250 mm  
Nominal Bore

Flange Tables

12"

300 mm  
Nominal Bore

	Table of flange	Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange			Table of flange	Diameter of flange	Bolt circle diameter	Number of bolts	Diameter of bolts	Diameter of holes	Diameter of raised face	Height of raised face	Thickness of flange			
									Grey cast iron	Copper alloy	Cast and forged steel									Grey cast iron	Copper alloy	Cast and forged steel	
B.S.	A	16"	14"	8	3/4"	7/8"	—	—	1 1/16"	3/4"	—	A	18"	16"	8	3/4"	7/8"	—	—	1 1/16"	7/8"	—	
	D	16"	14"	8	3/4"	7/8"	—	—	1"	3/4"	3/4"	D	18"	16"	12	3/4"	7/8"	—	—	1"	7/8"	7/8"	
	E	16"	14"	12	3/4"	7/8"	—	—	1"	7/8"	7/8"	E	18"	16"	12	7/8"	1"	—	—	1 1/8"	1"	1"	
	F	17"	15"	12	7/8"	1"	—	—	1 1/8"	1"	1"	F	19 1/4"	17 1/4"	16	7/8"	1"	—	—	1 1/4"	1 1/8"	1 1/8"	
	H	17"	15"	12	7/8"	1"	12 1/4"	1/8"	1 5/8"	1 3/8"	1 3/8"	B.S.	H	19 1/4"	17 1/4"	16	7/8"	1"	14 1/4"	1/8"	1 1/4"	1 1/2"	1 1/2"
	J	17"	15"	12	1"	1 1/8"	12 1/4"	1/8"	—	—	1 7/8"	J	19 1/4"	17 1/4"	16	1"	1 1/8"	14 1/4"	1/8"	—	—	2"	
	K	17"	15"	16	1"	1 1/8"	12 1/4"	1/8"	—	—	2"	K	19 1/4"	17"	16	1 1/8"	1 1/4"	14 1/4"	1/8"	—	—	2 1/4"	
	R	17"	15 1/4"	16	1"	1 1/8"	12 1/4"	1/8"	—	—	2 1/4"	R	20"	18"	16	1 1/8"	1 1/4"	14 1/4"	1/8"	—	—	2 1/2"	
	S	19"	16 3/4"	16	1 1/4"	1 3/8"	13"	1/8"	—	—	2 7/8"	S	22 3/4"	20"	16	1 1/2"	1 5/8"	15"	1/8"	—	—	3 1/4"	
T	22"	19 1/4"	16	1 1/2"	1 5/8"	14"	1/8"	—	—	4 1/4"	T	25 3/4"	22 1/2"	16	1 3/4"	1 7/8"	16 1/4"	1/8"	—	—	4 3/4"		
A.N.S.I.	125/150	16"	14 1/4"	12	7/8"	1"	12 3/4"	1/8"	1 3/16"	1"	1 3/16"	125/150	19"	17"	12	7/8"	1"	15"	1/8"	1 1/4"	1 1/8"	1 1/4"	
	300	17 1/2"	15 1/4"	16	1"	1 1/8"	12 3/4"	1/8"	—	—	1 7/8"	300	20 1/2"	17 3/4"	16	1 1/8"	1 1/4"	15"	1/8"	—	—	2"	
	600	20"	17"	16	1 1/4"	1 3/8"	12 3/4"	1/4"	—	—	2 1/2"	A.N.S.I.	600	22"	19 1/4"	20	1 1/4"	1 3/8"	15"	1/4"	—	—	2 5/8"
	900	21 1/2"	18 1/2"	16	1 3/8"	1 1/2"	12 3/4"	1/4"	—	—	2 3/4"	900	24"	21"	20	1 3/8"	1 1/2"	15"	1/4"	—	—	3 3/8"	
	1500	23"	19"	12	1 7/8"	2"	12 3/4"	1/4"	—	—	4 1/4"	1500	26 1/2"	22 1/2"	16	2"	2 1/8"	15"	1/4"	—	—	4 7/8"	
N.P.	6	375	335	12	M16	18	312	3	24	—	—	6	440	395	12	M20	22	365	4	24	—	—	
	10	395	350	12	M20	22	320	3	28	—	—	10	445	400	12	M20	22	370	4	28	—	—	
	16	405	355	12	M24	26	320	3	32	—	26	16	460	410	12	M24	26	378	4	32	—	28	
	25	425	370	12	M27	30	335	3	36	—	32	N.P.	25	485	430	16	M27	30	395	4	40	—	34
	40	450	385	12	M30	33	345	3	—	—	38	40	515	450	16	M30	33	410	4	—	—	42	
	64	470	400	12	M33	36	345	3	—	—	46	64	530	460	16	M33	36	410	4	—	—	52	
	100	505	430	12	M36	39	345	3	—	—	60	100	585	500	16	M39	42	410	4	—	—	68	
	160	515	430	12	M39	42	345	3	—	—	68	160	585	500	16	M39	42	410	4	—	—	78	
	250	585	490	12	M45	48	345	3	—	—	100	250	690	590	16	M48	52	410	4	—	—	120	