

**FLANGE DIMENSION TABLE**

FLANGE DIMENSIONS		NOMINAL SIZE	50	65	80	100	125	150	175	200	225	250	300	350	375	400	450	500	525	600	700	750	
AS Standard Pressure	AS 4087 & AS 2129 Drilling Compatible with Table C & D AS Standard Pressure	Outside Dia.	150	165	185	215	255	280		335	370	405	455	525	550	580	640	705	735	825	910	995	
		Pitch Circle Dia	114	127	146	178	210	235		292	324	356	406	470	495	521	584	641	673	756	845	927	
		No. of Holes	4	4	4	4	8	8		8	8	8	12	12	12	12	12	16	16	16	20	20	
		Dia. of Holes	18	18	18	18	18	18		18	18	22	22	26	26	26	26	26	26	26	30	30	33
		Bolt Diameter	16	16	16	16	16	16		16	16	20	20	24	24	24	24	24	24	24	27	27	30
	Flange Thickness																						
		Class 16	Ductile Iron			18	20		23		23	24	24	30		33		33	35		42		47
		Class 14	Cast Iron			19	22	22	22		25	25	25	29	32	32	32	35	38	38	41	44	48
		Class 14	Steel	11	11	11	11	13	15		19	19	19	23	30	30	30	30	38	41		48	
	AS High Pressure	AS 4087 & AS 2129 Drilling Compatible with Table F & H AS High Pressure	Outside Dia.	165	185	205	230		305		370	405	430	490	550	580	610	675	735	760	850		1015
Pitch Circle Dia			127	146	165	191		260		324	356	381	438	495	521	552	610	673	699	781		940	
No. of Holes			4	8	8	8		12		12	12	12	16	16	16	20	20	24	24	24		28	
Dia. of Holes			18	18	18	18		22		22	26	26	26	30	30	30	33	33	33	36		36	
Bolt Diameter			16	16	16	16		20		20	24	24	24	24	27	27	27	30	30	30	33		33
Flange Thickness																							
		Class 35	Ductile Iron			22	22		27		31	34	34	38		42		46	49		54		59
		Class 21	Cast Iron			19	22		25		29	29	32	32	35	35	35	38	41	41	44		51
		Class 35	Cast Iron			29	32		35		41	41	44	44	48	51	51	54	57	60	64		
		Class 21	Steel	15	15	15	19		24		24	30	30	30	30	38	38	38	48	51	58		58
	Class 35	Steel	19	19	24	24		31		31	38	38	38	48	48	48	58	58	70	68			
Table E	AS 2129 Table E	Outside Dia.	150	165	185	215	255	280		335	370	405	455	525	550	580	640	705	735	825	910	995	
		Pitch Circle Dia.	114	127	146	178	210	235		292	324	356	406	470	495	521	584	641	675	756	845	927	
		No. of Holes	4	4	4	8	8	8		8	12	12	12	12	12	12	12	16	16	16	16	20	20
		Dia. of Holes	18	18	18	18	18	22		22	22	22	26	26	26	26	26	26	26	30	33	33	36
		Bolt Diameter	16	16	16	16	16	20		20	20	20	24	24	24	24	24	24	24	27	30	30	33
	Flange Thickness																						
	Class 14	Cast Iron	19	19	19	22	22	22		25	25	25	29	32	32	32	35	38	38	41	44	48	

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FLANGE DIMENSIONS		NOMINAL SIZE	50	65	80	100	125	150	175	200	225	250	300	350	375	400	450	500	525	600	700	750
ISO 7005 PN 16	ISO 7005 PN 16 Drilling Compatible with BS 4504 PN16 & DIN 2533 PN 16	Outside Dia.	165	185	200	220	250	285	315	340		405	460	520		580	640	715		840	910	
		Pitch Circle Dia.	125	145	160	180	210	240	270	295		355	410	470		525	585	650		770	840	
		No. of Holes	4	4	8	8	8	8	8	12		12	12	16		16	20	20		20	24	
		Dia. of Holes	18	18	18	18	18	22	22	22		27	27	27		30	30	33		36	36	
		Bolt Diameter	16	16	16	16	16	20	20	20		24	24	24		27	27	30		33	33	
	Flange Thickness																					
	Class 16	Ductile Iron	19	19	19	19	19	19		20		22	25	27		28	30	32		36	40	
	Class 16	Cast Iron	20	20	22	24	26	26		30		32	32	36		38	40	42		48	54	
ANSI B16.1 125 lb	ANSI B16.1 125 lb Drilling Compatible with ANSI B16.1 150 lb	Outside Dia.	152	178	191	229	255	280		343		405	483	533		597	635	699		813		984
		Pitch Circle Dia.	121	140	152	191	216	241		298		362	432	476		540	578	635		749		914
		No. of Holes	4	4	4	8	8	8		8		12	12	12		16	16	20		20		28
		Dia. of Holes	19	19	19	19	22	22		22		25	25	29		29	32	32		35		35
		Bolt Diameter	16	16	16	16	20	20		20		22	22	25		25	29	29		32	32	
	Flange Thickness																					
	Class 17	Cast Iron	16	18	2	20	24	25		29		26	32	35		37	40	48		48		54

## Flange Tables - Ductile Iron

Standard Pressure Flange (AS 4087) - Table C or E drilling - maximum working pressure 1.6 Mpa.								
Nominal Size	Flange Diameter A	Flange Thickness T	Table C			Table E		
			Bolt Circle Dia. P	Number of Bolts	Bolt Size	Bolt Circle Dia. P	Number of Bolts	Bolt Size
80	185	18	146	4	M16 x 65	146	4	M16 x 65
100	215	20	178	4	M16 x 75	178	8	M16 x 75
150	280	23	235	8	M16 x 75	235	8	M20 x 75
200	335	23	292	8	M16 x 75	292	8	M20 x 75
225	370	24	324	8	M16 x 75	324	12	M20 x 75
250	405	24	356	8	M20 x 90	356	12	M20 x 90
300	455	30	406	12	M20 x 100	406	12	M24 x 100
375	550	33	495	12	M24 x 100	495	12	M24 x 100
450	640	33	584	12	M24 x 120	584	16	M24 x 120
500	705	35	641	16	M24 x 120	641	16	M24 x 120
600	825	42	756	16	M27 x 130	756	16	M30 x 140
750	995	47	927	20	M30 x 140	927	20	M33 x 140

High Pressure Flange (AS 4087) - Table F drilling - maximum working pressure 3.5 Mpa.					
Nominal Size	Flange Diameter A	Flange Thickness T	Table F		
			Bolt Circle Dia. P	Number of Bolts	Bolt Size
80	205	22	165	8	M16 x 75
100	230	22	191	8	M16 x 75
150	305	27	260	12	M20 x 90
200	370	31	324	12	M20 x 100
225	405	34	356	12	M24 x 120
250	430	34	381	12	M24 x 120
300	490	38	438	16	M24 x 120
375	580	42	521	16	M27 x 130
450	675	46	610	20	M30 x 140
500	735	49	673	24	M30 x 140
600	850	54	781	24	M33 x 160
750	1015	59	940	28	M33 x 160