

### ASTM Slip On 150 / 300LBS



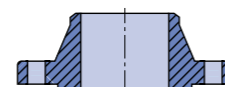
FPFSO

### ASTM Blind 150 / 300 / 600LBS



FPFBL

### ASTM Weld Neck 150 / 300LBS



FPFWN

### ASTM Socket Weld 150 / 300LBS



FPFSW

### Table D / E Flanges (AS 2129)



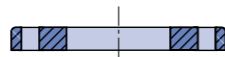
FPFSO/BL

### PN 16 / 40 Flanges (EN 1092-1)



FPFSO

### Waterworks Flanges (AS 4087 / PN16)



FPFSO

## ANSI Forged Flanges

### ASTM / AS Standards

**Standard Grades** according ASTM A / ASME SA182, F304/L and F316/L (dual marked and certified), ASME B16.5, annealed and fully machined, raised face with spiral serrated and smooth finish (125-250 RMS / 3.2-6.3 µm) to MSS SP-6, hardness to NACE MR0175, IC to ASTM A262E and PMI tested. With certificate to EN10204/3.1

**Special Grades** according ASTM A182, SAF2205 / F51, SAF2507 / F53, ASME B16.5, annealed and fully machined, raised face with spiral serrated and smooth finish (125-250 RMS / 3.2-6.3 µm) to MSS SP-6. Hardness to NACE MR0175, IC to ASTM A262E (G48A for SAF2507) and PMI tested. With certificate to EN10204/3.1

## ANSI Forged Flanges

### ASTM / AS Standards

### Raised Face Slip On Flanges 150 / 300LB

**Grades:** 304L, 316L  
**Rating:** 150, 300LB

**Facing:** Raised face, smooth finish :  
125 - 250 RMS (3.2 - 6.3 µm)

**Unit of Supply:** Each

**Certification:** Acc. to  
ASTM A182 / ANSI B16.5



#### FPFSO

Product Code	Grade	Rating	Product Size (mm)	Description	Weight ea (kg)
FPFSO015NBG304L150	G304L	150	015NB (1/2")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	0.39
FPFSO020NBG304L150	G304L	150	020NB (3/4")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	0.56
FPFSO025NBG304L150	G304L	150	025NB (1")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	0.78
FPFSO040NBG304L150	G304L	150	040NB (1-1/2")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	1.32
FPFSO050NBG304L150	G304L	150	050NB (2")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	2.06
FPFSO065NBG304L150	G304L	150	065NB (2-1/2")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	3.28
FPFSO080NBG304L150	G304L	150	080NB (3")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	3.85
FPFSO100NBG304L150	G304L	150	100NB (4")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	5.30
FPFSO150NBG304L150	G304L	150	150NB (6")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	7.45
FPFSO200NBG304L150	G304L	150	200NB (8")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	12.10
FPFSO250NBG304L150	G304L	150	250NB (10")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	16.50
FPFSO300NBG304L150	G304L	150	300NB (12")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	26.20
FPFSO400NBG304L150	G304L	150	400NB (16")	RFSO PIPE FLANGE G304L ANSI150 B16.5 A182	46.00
FPFSO015NBG316L150	G316L	150	015NB (1/2")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	0.39
FPFSO020NBG316L150	G316L	150	020NB (3/4")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	0.56
FPFSO025NBG316L150	G316L	150	025NB (1")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	0.78
FPFSO032NBG316L150	G316L	150	032NB (1-1/4")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	1.03
FPFSO040NBG316L150	G316L	150	040NB (1-1/2")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	1.32
FPFSO050NBG316L150	G316L	150	050NB (2")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	2.06
FPFSO065NBG316L150	G316L	150	065NB (2-1/2")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	3.28
FPFSO080NBG316L150	G316L	150	080NB (3")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	3.85
FPFSO100NBG316L150	G316L	150	100NB (4")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	5.30
FPFSO125NBG316L150	G316L	150	125NB (5")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	6.07
FPFSO150NBG316L150	G316L	150	150NB (6")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	7.45
FPFSO200NBG316L150	G316L	150	200NB (8")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	12.10
FPFSO250NBG316L150	G316L	150	250NB (10")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	16.50
FPFSO300NBG316L150	G316L	150	300NB (12")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	26.20
FPFSO350NBG316L150	G316L	150	350NB (14")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	36.00
FPFSO400NBG316L150	G316L	150	400NB (16")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	46.00
FPFSO450NBG316L150	G316L	150	450NB (18")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	48.90
FPFSO500NBG316L150	G316L	150	500NB (20")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	61.90
FPFSO600NBG316L150	G316L	150	600NB (24")	RFSO PIPE FLANGE G316L ANSI150 B16.5 A182	86.90
FPFSO015NBG316L300	G316L	300	015NB (1/2")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	0.64
FPFSO020NBG316L300	G316L	300	020NB (3/4")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	1.12
FPFSO025NBG316L300	G316L	300	025NB (1")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	1.36
FPFSO032NBG316L300	G316L	300	032NB (1-1/4")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	1.80
FPFSO040NBG316L300	G316L	300	040NB (1-1/2")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	2.49
FPFSO050NBG316L300	G316L	300	050NB (2")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	2.87
FPFSO065NBG316L300	G316L	300	065NB (2-1/2")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	4.40
FPFSO080NBG316L300	G316L	300	080NB (3")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	5.85
FPFSO100NBG316L300	G316L	300	100NB (4")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	9.61
FPFSO150NBG316L300	G316L	300	150NB (6")	RFSO PIPE FLANGE G316L ANSI300 B16.5 A182	15.60

# ANSI Forged Flanges

ASTM / AS Standards

## Raised Face Blind Flanges 150 / 300LB

**Grades:** 316L  
**Rating:** 150, 300LB

**Facing:** Raised face, smooth finish :  
125 - 250 RMS (3.2 - 6.3 µm)  
**Unit of Supply:** Each  
**Certification:** Acc. to  
ASTM A182 / ANSI B16.5



### FPFBL

Product Code	Grade	Rating	Product Size (mm)	Description	Weight ea (kg)
FPFBL015NBG316L150	G316L	150	015NB (1/2")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	0.42
FPFBL020NBG316L150	G316L	150	020NB (3/4")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	0.61
FPFBL025NBG316L150	G316L	150	025NB (1")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	0.86
FPFBL032NBG316L150	G316L	150	032NB (1-1/4")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	1.30
FPFBL040NBG316L150	G316L	150	040NB (1-1/2")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	1.53
FPFBL050NBG316L150	G316L	150	050NB (2")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	2.42
FPFBL065NBG316L150	G316L	150	065NB (2-1/2")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	3.94
FPFBL080NBG316L150	G316L	150	080NB (3")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	4.10
FPFBL100NBG316L150	G316L	150	100NB (4")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	7.00
FPFBL150NBG316L150	G316L	150	150NB (6")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	11.30
FPFBL200NBG316L150	G316L	150	200NB (8")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	19.60
FPFBL250NBG316L150	G316L	150	250NB (10")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	28.80
FPFBL300NBG316L150	G316L	150	300NB (12")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	43.20
FPFBL350NBG316L150	G316L	150	350NB (14")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	59.00
FPFBL400NBG316L150	G316L	150	400NB (16")	RF BLIND FLANGE G316L ANSI150 B16.5 A182	79.00
FPFBL025NBG316L300	G316L	300	025NB (1")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	1.39
FPFBL040NBG316L300	G316L	300	040NB (1-1/2")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	2.66
FPFBL050NBG316L300	G316L	300	050NB (2")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	3.18
FPFBL065NBG316L300	G316L	300	065NB (2-1/2")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	5.70
FPFBL080NBG316L300	G316L	300	080NB (3")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	6.81
FPFBL100NBG316L300	G316L	300	100NB (4")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	11.50
FPFBL150NBG316L300	G316L	300	150NB (6")	RF BLIND FLANGE G316L ANSI300 B16.5 A182	20.90

# ANSI Forged Flanges

ASTM / AS Standards

## Weld Neck Flanges 150 / 300LB

**Grades:** 316L  
**Schedule:** 10S, 40S

**Rating:** 150, 300LB  
**Facing:** Raised face, smooth finish :  
125 - 250 RMS (3.2 - 6.3 µm)  
**Unit of Supply:** Each  
**Certification:** Acc. to ASTM A182 / ANSI B16.5



### PPFWN

Product Code	Grade	Rating	Schedule	Product Size (mm)	Description	Weight ea (kg)
PPFWN025NBS10G316L150	G316L	150	10S	025NB SCH10 (1")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	1.01
PPFWN040NBS10G316L150	G316L	150	10S	040NB SCH10 (1-1/2")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	1.72
PPFWN050NBS10G316L150	G316L	150	10S	050NB SCH10 (2")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	2.58
PPFWN080NBS10G316L150	G316L	150	10S	080NB SCH10 (3")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	4.92
PPFWN100NBS10G316L150	G316L	150	10S	100NB SCH10 (4")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	6.84
PPFWN150NBS10G316L150	G316L	150	10S	150NB SCH10 (6")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	10.64
PPFWN200NBS10G316L150	G316L	150	10S	200NB SCH10 (8")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	18.32
PPFWN015NBS40G316L150	G316L	150	40S	015NB SCH40 (1/2")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	0.58
PPFWN020NBS40G316L150	G316L	150	40S	020NB SCH40 (3/4")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	0.83
PPFWN025NBS40G316L150	G316L	150	40S	025NB SCH40 (1")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	1.23
PPFWN032NBS40G316L150	G316L	150	40S	032NB SCH40 (1-1/4")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	1.33
PPFWN040NBS40G316L150	G316L	150	40S	040NB SCH40 (1-1/2")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	1.98
PPFWN050NBS40G316L150	G316L	150	40S	050NB SCH40 (2")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	2.80
PPFWN065NBS40G316L150	G316L	150	40S	065NB SCH40 (2-1/2")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	4.52
PPFWN080NBS40G316L150	G316L	150	40S	080NB SCH40 (3")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	5.24
PPFWN100NBS40G316L150	G316L	150	40S	100NB SCH40 (4")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	7.30
PPFWN150NBS40G316L150	G316L	150	40S	150NB SCH40 (6")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	10.87
PPFWN200NBS40G316L150	G316L	150	40S	200NB SCH40 (8")	WELD NECK FLANGE G316L ANSI150 B16.5 A182	18.18
PPFWN015NBS40G316L300	G316L	300	40S	015NB SCH40 (1/2")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	0.73
PPFWN020NBS40G316L300	G316L	300	40S	020NB SCH40 (3/4")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	1.24
PPFWN025NBS40G316L300	G316L	300	40S	025NB SCH40 (1")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	1.48
PPFWN032NBS40G316L300	G316L	300	40S	032NB SCH40 (1-1/4")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	2.03
PPFWN040NBS40G316L300	G316L	300	40S	040NB SCH40 (1-1/2")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	2.80
PPFWN050NBS40G316L300	G316L	300	40S	050NB SCH40 (2")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	3.21
PPFWN065NBS40G316L300	G316L	300	40S	065NB SCH40 (2-1/2")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	5.05
PPFWN080NBS40G316L300	G316L	300	40S	080NB SCH40 (3")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	6.70
PPFWN100NBS40G316L300	G316L	300	40S	100NB SCH40 (4")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	10.90
PPFWN150NBS40G316L300	G316L	300	40S	150NB SCH40 (6")	WELD NECK FLANGE G316L ANSI300 B16.5 A182	18.90

## Socket Weld Flanges 150LB

**Grades:** 316L  
**Schedule:** 40S

**Rating:** 150LB  
**Facing:** Raised face, smooth finish :  
125 - 250 RMS (3.2 - 6.3 µm)  
**Unit of Supply:** Each  
**Certification:** Acc. to ASTM A182 / ANSI B16.5



### PPFSW

Product Code	Grade	Rating	Schedule	Product Size (mm)	Description	Weight ea (kg)
PPFSW015NBS40G316L150	G316L	150	40S	015NB SCH40 (1/2")	SOCKET WELD FLANGE G316L ANSI150 B16.5 A182	0.42
PPFSW020NBS40G316L150	G316L	150	40S	020NB SCH40 (3/4")	SOCKET WELD FLANGE G316L ANSI150 B16.5 A182	0.81
PPFSW025NBS40G316L150	G316L	150	40S	025NB SCH40 (1")	SOCKET WELD FLANGE G316L ANSI150 B16.5 A182	0.81
PPFSW040NBS40G316L150	G316L	150	40S	040NB SCH40 (1-1/2")	SOCKET WELD FLANGE G316L ANSI150 B16.5 A182	1.36
PPFSW050NBS40G316L150	G316L	150	40S	050NB SCH40 (2")	SOCKET WELD FLANGE G316L ANSI150 B16.5 A182	2.10

# Table D / E Flanges

Acc. to AS 2129 2000

## Flat Face Slip On Flanges Table D / E

**Grades:** 316L

**Tables:** D, E

**Facing:** Flat face, smooth finish

**Unit of Supply:** Each

**Certification:** Acc. to AS 2129 2000



### FPFSO

Product Code	Grade	Table	Product Size (mm)	Description	Weight ea (kg)
FPFSO100NBG316LTD	G316L	D	100NB (4")	FFSO PIPE FLANGE G316L TABLE D AS2129	2.50
FPFSO150NBG316LTD	G316L	D	150NB (6")	FFSO PIPE FLANGE G316L TABLE D AS2129 / PN16 AS4087	4.00
FPFSO200NBG316LTD	G316L	D	200NB (8")	FFSO PIPE FLANGE G316L TABLE D AS2129	5.00
FPFSO250NBG316LTD	G316L	D	250NB (10")	FFSO PIPE FLANGE G316L TABLE D AS2129	8.70
FPFSO300NBG316LTD	G316L	D	300NB (12")	FFSO PIPE FLANGE G316L TABLE D AS2129	11.30
FPFSO350NBG316LTD	G316L	D	350NB (14")	FFSO PIPE FLANGE G316L TABLE D AS2129	19.00
FPFSO400NBG316LTD	G316L	D	400NB (16")	FFSO PIPE FLANGE G316L TABLE D AS2129	22.30
FPFSO450NBG316LTD	G316L	D	450NB (18")	FFSO PIPE FLANGE G316L TABLE D AS2129	29.90
FPFSO500NBG316LTD	G316L	D	500NB (20")	FFSO PIPE FLANGE G316L TABLE D AS2129	40.40
FPFSO015NBG316LTE	G316L	E	015NB (1/2")	FFSO PIPE FLANGE G316L TABLE E AS2129	0.60
FPFSO020NBG316LTE	G316L	E	020NB (3/4")	FFSO PIPE FLANGE G316L TABLE E AS2129	0.70
FPFSO025NBG316LTE	G316L	E	025NB (1")	FFSO PIPE FLANGE G316L TABLE E AS2129	0.90
FPFSO032NBG316LTE	G316L	E	032NB (1-1/4")	FFSO PIPE FLANGE G316L TABLE E AS2129	0.95
FPFSO040NBG316LTE	G316L	E	040NB (1-1/2")	FFSO PIPE FLANGE G316L TABLE E AS2129	1.20
FPFSO050NBG316LTEPN16	G316L	E	050NB (2")	FFSO PIPE FLANGE G316L TABLE E AS2129 / PN16 AS4087 (11mm)	1.40
FPFSO065NBG316LTEPN16	G316L	E	065NB (2-1/2")	FFSO PIPE FLANGE G316L TABLE E AS2129 / PN16 AS4087 (11mm)	1.60
FPFSO080NBG316LTEPN16	G316L	E	080NB (3")	FFSO PIPE FLANGE G316L TABLE E AS2129 / PN16 AS4087	2.00
FPFSO100NBG316LTE	G316L	E	100NB (4")	FFSO PIPE FLANGE G316L TABLE E AS2129	2.50
FPFSO125NBG316LTE	G316L	E	125NB (5")	FFSO PIPE FLANGE G316L TABLE E AS2129	3.70
FPFSO150NBG316LTE	G316L	E	150NB (6")	FFSO PIPE FLANGE G316L TABLE E AS2129	5.00
FPFSO200NBG316LTE	G316L	E	200NB (8")	FFSO PIPE FLANGE G316L TABLE E AS2129	7.10
FPFSO250NBG316LTE	G316L	E	250NB (10")	FFSO PIPE FLANGE G316L TABLE E AS2129	11.40
FPFSO300NBG316LTE	G316L	E	300NB (12")	FFSO PIPE FLANGE G316L TABLE E AS2129	15.10
FPFSO350NBG316LTE	G316L	E	350NB (14")	FFSO PIPE FLANGE G316L TABLE E AS2129	25.30
FPFSO400NBG316LTE	G316L	E	400NB (16")	FFSO PIPE FLANGE G316L TABLE E AS2129	31.30
FPFSO450NBG316LTE	G316L	E	450NB (18")	FFSO PIPE FLANGE G316L TABLE E AS2129	40.80
FPFSO500NBG316LTEPN16	G316L	E	500NB (20")	FFSO PIPE FLANGE G316L TABLE E AS2129 / PN16 AS4087	53.00
FPFSO600NBG316LTE	G316L	E	600NB (24")	FFSO PIPE FLANGE G316L TABLE E AS2129	85.00

Raised face, bossed and weldneck options available on request.

# Table D / E / PN16 Flanges

Acc. to AS 2129 2000

## Flat Face Blind Flanges Table D / E / PN16

**Grades:** 316L

**Tables:** D, E, PN16

**Facing:** Flat face, smooth finish

**Unit of Supply:** Each

**Certification:** Acc. to AS 2129 2000 / AS 4087



### FPFBL

Product Code	Grade	Table	Product Size (mm)	Description	Weight ea (kg)
FPFBL025NBG316LTE	G316L	E	025NB (1")	FF BLIND FLANGE G316L TABLE E AS2129	0.95
FPFBL032NBG316LTE	G316L	E	032NB (1-1/4")	FF BLIND FLANGE G316L TABLE E AS2129	1.10
FPFBL040NBG316LTE	G316L	E	040NB (1-1/2")	FF BLIND FLANGE G316L TABLE E AS2129	1.40
FPFBL050NBG316LTEPN16	G316L	TE / PN16	050NB (2")	FF BLIND FLANGE G316L TE AS2129 / PN16 AS4087 (11mm)	1.70
FPFBL065NBG316LTEPN16	G316L	TE / PN16	065NB (2-1/2")	FF BLIND FLANGE G316L TE AS2129 / PN16 AS4087 (11mm)	2.10
FPFBL080NBG316LTEPN16	G316L	TE / PN16	080NB (3")	FF BLIND FLANGE G316L TE AS2129 / PN16 AS4087	2.70
FPFBL100NBG316LTD	G316L	D	100NB (4")	FF BLIND FLANGE G316L TABLE D AS2129	3.40
FPFBL100NBG316LTE	G316L	E	100NB (4")	FF BLIND FLANGE G316L TABLE E AS2129	3.60
FPFBL100NBG316LPN16	G316L	PN16	100NB (4")	FF BLIND FLANGE G316L PN16 AS4087	3.60
FPFBL125NBG316LTE	G316L	E	125NB (5")	FF BLIND FLANGE G316L TABLE E AS2129	5.50
FPFBL125NBG316LPN16	G316L	PN16	125NB (5")	FF BLIND FLANGE G316L PN16 AS4087	5.50
FPFBL150NBG316LTDPN16	G316L	TD / PN16	150NB (6")	FF BLIND FLANGE G316L TD AS2129 / PN16 AS4087	6.10
FPFBL150NBG316LTE	G316L	E	150NB (6")	FF BLIND FLANGE G316L TABLE E AS2129	8.30
FPFBL200NBG316LTD	G316L	D	200NB (8")	FF BLIND FLANGE G316L TABLE D AS2129	8.90
FPFBL200NBG316LTE	G316L	E	200NB (8")	FF BLIND FLANGE G316L TABLE E AS2129	12.90
FPFBL200NBG316LPN16	G316L	PN16	200NB (8")	FF BLIND FLANGE G316L PN16 AS4087	13.00
FPFBL250NBG316LTD	G316L	D	250NB (10")	FF BLIND FLANGE G316L TABLE D AS2129	16.00
FPFBL250NBG316LTE	G316L	E	250NB (10")	FF BLIND FLANGE G316L TABLE E AS2129	21.90
FPFBL250NBG316LPN16	G316L	PN16	250NB (10")	FF BLIND FLANGE G316L PN16 AS4087	19.00
FPFBL300NBG316LTD	G316L	D	300NB (12")	FF BLIND FLANGE G316L TABLE D AS2129	23.90
FPFBL300NBG316LTE	G316L	E	300NB (12")	FF BLIND FLANGE G316L TABLE E AS2129	31.80
FPFBL300NBG316LPN16	G316L	PN16	300NB (12")	FF BLIND FLANGE G316L PN16 AS4087	29.00
FPFBL350NBG316LTEPN16	G316L	TE / PN16	350NB (14")	FF BLIND FLANGE G316L TE AS2129 / PN16 AS4087 (30mm)	50.00
FPFBL400NBG316LTEPN16	G316L	TE / PN16	400NB (16")	FF BLIND FLANGE G316L TE AS2129 / PN16 AS4087 (32mm)	61.00
FPFBL450NBG316LTE	G316L	E	450NB (18")	FF BLIND FLANGE G316L TABLE E AS2129	86.80
FPFBL450NBG316LPN16	G316L	PN16	450NB (18")	FF BLIND FLANGE G316L PN16 AS4087	86.00
FPFBL500NBG316LTEPN16	G316L	E	500NB (20")	FF BLIND FLANGE G316L TABLE E AS2129 / PN16 AS4087	115.00
FPFBL600NBG316LTE	G316L	E	600NB (24")	FF BLIND FLANGE G316L TABLE E AS2129	199.00
FPFBL600NBG316LPN16	G316L	PN16	600NB (24")	FF BLIND FLANGE G316L PN16 AS4087	199.00

Raised face, bossed and weldneck options available on request.

# PN16 / PN40 Flanges (EN 1092-1)

Acc. to EN 1092-1 (Type 1B), ASTM A182 G316L

## Raised Face Slip On Flanges PN 10 / 16 / 40

**Grades:** 316L  
**Types:** PN16, PN40

**Facing:** Raised face, smooth finish  
**Unit of Supply:** Each  
**Certification:** Acc. to EN 1092-1 (Type 1B)



### FPFSO

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FPFS0065NBG316LPN16	G316L	PN16	065NB (2-1/2")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B	3.20
FPFS0065NBG316LPN16+8H	G316L	PN16	065NB (2-1/2")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B 8 HOLE	3.20
FPFS0080NBG316LPN16	G316L	PN16	080NB (3")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B	4.50
FPFS0100NBG316LPN16	G316L	PN16	100NB (4")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B	4.40
FPFS0150NBG316LPN16	G316L	PN16	150NB (6")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B	7.30
FPFS0200NBG316LPN16	G316L	PN16	200NB (8")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B	10.00
FPFS0250NBG316LPN16	G316L	PN16	250NB (10")	RFSO PIPE FLANGE G316L PN16 EN1092-1 TYPE 1B	14.20
FPFS0300NBG316LPN16+EN	G316L	PN16	300 NB (12")	RFSO PIPE FLANGE G316L PN16 EN1092 -1 TYPE 1B	22.90
FPFS0350NBG316LPN16+EN	G316L	PN16	350 NB (14")	RFSO PIPE FLANGE G316L PN16 EN1092 -1 TYPE 1B	33.30
FPFS0400NBG316LPN16+EN	G316L	PN16	400 NB (16")	RFSO PIPE FLANGE G316L PN16 EN1092 -1 TYPE 1B	41.70
FPFS0450NBG316LPN16+EN	G316L	PN16	450 NB (18")	RFSO PIPE FLANGE G316L PN16 EN1092 -1 TYPE 1B	50.00
FPFS0500NBG316LPN16+EN	G316L	PN16	500 NB (20")	RFSO PIPE FLANGE G316L PN16 EN1092 -1 TYPE 1B	65.20
FPFS0600NBG316LPN16+EN	G316L	PN16	600 NB (24")	RFSO PIPE FLANGE G316L PN16 EN1092 -1 TYPE 1B	98.00
FPFS0015NBG316LPN40	G316L	PN40	015NB (1/2")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	0.80
FPFS0020NBG316LPN40	G316L	PN40	020NB (3/4")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	1.13
FPFS0025NBG316LPN40	G316L	PN40	025NB (1")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	1.35
FPFS0032NBG316LPN40	G316L	PN40	032NB (1-1/4")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	1.90
FPFS0040NBG316LPN40	G316L	PN40	040NB (1-1/2")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	2.15
FPFS0050NBG316LPN40	G316L	PN40	050NB (2")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	2.70
FPFS0065NBG316LPN40	G316L	PN40	065NB (2-1/2")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	3.90
FPFS0080NBG316LPN40	G316L	PN40	080NB (3")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	4.90
FPFS0100NBG316LPN40	G316L	PN40	100NB (4")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	5.40
FPFS0150NBG316LPN40	G316L	PN40	150NB (6")	RFSO PIPE FLANGE G316L PN40 EN1092-1 TYPE 1B	9.60

Note: EN1092-1 PN 10 / 16 / 40 flanges are identical up to and including 50 NB.

# Waterworks Flanges (AS 4087)

Acc. to AS 4087:2001, ASTM A182 G316L

## Flat Face Slip On Flanges PN 16

**Grades:** 316L  
**Type:** PN 16

**Facing:** Flat face, smooth finish  
**Unit of Supply:** Each  
**Certification:** Acc. to AS 4087:2001



### FPFSO

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FPFS0050NBG316LTPN16	G316L	TE / PN16	050NB (2")	FFSO PIPE FLANGE G316L TE AS2129 / PN16 AS4087	0.95
FPFS0065NBG316LTPN16	G316L	TE / PN16	065NB (2-1/2")	FFSO PIPE FLANGE G316L TE AS2129 / PN16 AS4087	1.11
FPFS0080NBG316LTPN16	G316L	TE / PN16	080NB (3")	FFSO PIPE FLANGE G316L TE AS2129 / PN16 AS4087	1.36
FPFS0100NBG316LPN16+FF	G316L	PN16	100NB (4")	FFSO PIPE FLANGE G316L PN16 AS4087	2.15
FPFS0125NBG316LPN16	G316L	PN16	125NB (5")	FFSO PIPE FLANGE G316L PN16 AS4087	3.65
FPFS0150NBG316LTDPN16	G316L	TD / PN16	150NB (6")	FFSO PIPE FLANGE G316L TD AS2129 / PN16 AS4087	3.20
FPFS0200NBG316LPN16+FF	G316L	PN16	200NB (8")	FFSO PIPE FLANGE G316L PN16 AS4087	6.47
FPFS0250NBG316LPN16+FF	G316L	PN16	250NB (10")	FFSO PIPE FLANGE G316L PN16 AS4087	8.94
FPFS0300NBG316LPN16	G316L	PN16	300NB (12")	FFSO PIPE FLANGE G316L PN16 AS4087	12.04
FPFS0350NBG316LPN16	G316L	PN16	350NB (14")	FFSO PIPE FLANGE G316L PN16 AS4087	24.00
FPFS0400NBG316LPN16	G316L	PN16	400NB (16")	FFSO PIPE FLANGE G316L PN16 AS4087	27.65
FPFS0450NBG316LPN16	G316L	PN16	450NB (18")	FFSO PIPE FLANGE G316L PN16 AS4087	41.33
FPFS0500NBG316LTPN16	G316L	TE / PN16	500NB (20")	FFSO PIPE FLANGE G316L TE AS2129 / PN16 AS4087	52.79
FPFS0600NBG316LPN16	G316L	PN16	600NB (24")	FFSO PIPE FLANGE G316L PN16 AS4087	85.77
FPFS0750NBG316LPN16	G316L	PN16	750NB (30")	FFSO PIPE FLANGE G316L PN16 AS4087	131.82

**Note:** Some sizes match AS 2129 TE/TD flanges

Flat Face and Raised Face options are both available (+RF).

## Raised Face Slip On Flanges PN 16

**Grades:** 316L  
**Types:** PN16

**Facing:** Raised face, smooth finish  
**Unit of Supply:** Each  
**Certification:** Acc. to AS 4087:2001



### FPFSO(+RF end of code)

Product Code	Grade	Type	Product Size (mm)	Description	Weight ea (kg)
FPFS0050NBG316LTPN16+RF	316L	TE/ PN16	050NB (2")	RFSO PIPE FLANGE G316L TE AS 2129/PN16 AS 4087	0.95
FPFS0065NBG316LTPN16+RF	316L	TE/ PN16	065NB (21/2")	RFSO PIPE FLANGE G316L TE AS 2129/PN16 AS 4087	1.11
FPFS0080NBG316LTPN16+RF	316L	TE/PN16	080NB (3")	RFSO PIPE FLANGE G316L TE AS 2129/PN16 AS 4087	1.36
FPFS0100NBG316LPN16+RF	316L	PN16	100NB (4")	RFSO PIPE FLANGE G316L PN16 AS 4087	2.15
FPFS0125NBG316LTPN+RF	316L	PN16	125NB (5")	RFSO PIPE FLANGE G316L PN16 AS 4087	3.65
FPFS0150NBG316LTDPN16+RF	316L	TD/PN16	150NB (6")	RFSO PIPE FLANGE G316L TD AS 2129/PN16 AS 4087	4.00
FPFS0200NBG316LPN16+RF	316L	PN16	200NB (8")	RFSO PIPE FLANGE G316L PN16 AS 4087	6.47
FPFS0250NBG316LPN16+RF	316L	PN16	250NB (10")	RFSO PIPE FLANGE G316L PN16 AS 4087	8.49
FPFS0300NBG316LPN16+RF	316L	PN16	300NB (12")	RFSO PIPE FLANGE G316L PN16 AS 4087	12.04
FPFS0350NBG316LPN16+RF	316L	PN16	350NB (14")	RFSO PIPE FLANGE G316L PN16 AS 4087	24.00
FPFS0400NBG316LPN16+RF	316L	PN16	400NB (16")	RFSO PIPE FLANGE G316L PN16 AS 4087	27.65
FPFS0450NBG316LPN16+RF	316L	PN16	450NB (18")	RFSO PIPE FLANGE G316L PN16 AS 4087	41.33
FPFS0500NBG316LTPN16+RF	316L	TE/PN16	500NB (20")	RFSO PIPE FLANGE G316L TE AS 2129/PN16 AS 4087	52.79
FPFS0600NBG316LPN16+RF	316L	PN16	600NB (24")	RFSO PIPE FLANGE G316L PN16 AS 4087	85.77
FPFS0750NBG316LPN16+RF	316L	PN16	750NB (30")	RFSO PIPE FLANGE G316L PN16 AS 4087	131.82

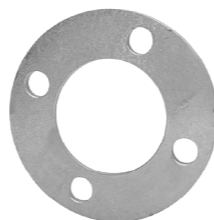
Note: RFSO Flanges can be machined from Flat face flanges if required



# Galvanised Back-up Pipe Flanges

**Grades:** Galvanised Steel  
**Type:** 150 lb drill pattern  
 (reduced "Tasman" thickness)

**Facing:** Flat face  
**Unit of Supply:** Each



## FPFBU

Product Code	Product Size (mm)	Description	Weight ea (kg)
FPFBU015NBGALA150	15NB (1/2")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	0.35
FPFBU020NBGALA150	20NB (3/4")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	0.42
FPFBU025NBGALA150	25NB (1")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	0.50
FPFBU032NBGALA150	32NB (1-1/4")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	0.56
FPFBU040NBGALA150	40NB (1-1/2")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	0.82
FPFBU050NBGALA150	50NB (2")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	1.15
FPFBU065NBGALA150	65NB (2-1/2")	BACK UP PIPE FLANGE GALV 150LB LITE 10 MM	1.56
FPFBU080NBGALA150	80NB (3")	BACK UP PIPE FLANGE GALV 150LB LITE 12 MM	2.01
FPFBU100NBGALA150	100NB (4")	BACK UP PIPE FLANGE GALV 150LB LITE 12 MM	2.80
FPFBU125NBGALA150	125NB (5")	BACK UP PIPE FLANGE GALV 150LB LITE 16 MM	4.14
FPFBU150NBGALA150	150NB (6")	BACK UP PIPE FLANGE GALV 150LB LITE 16 MM	4.60
FPFBU200NBGALA150	200NB (8")	BACK UP PIPE FLANGE GALV 150LB LITE 20 MM	8.08
FPFBU250NBGALA150	250NB (10")	BACK UP PIPE FLANGE GALV 150LB LITE 20 MM	10.60
FPFBU300NBGALA150	300NB (12")	BACK UP PIPE FLANGE GALV 150LB LITE 25 MM	19.07
FPFBU350NBGALA150	350NB (14")	BACK UP PIPE FLANGE GALV 150LB LITE 32 MM	29.76
FPFBU400NBGALA150	400NB (16")	BACK UP PIPE FLANGE GALV 150LB LITE 32 MM	35.84
FPFBU450NBGALA150	450NB (18")	BACK UP PIPE FLANGE GALV 150LB LITE 32 MM	45.65
FPFBU500NBGALA150	500NB (20")	BACK UP PIPE FLANGE GALV 150LB LITE 40 MM	54.40

# Flange Tables

## 1/2" - 15mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 2129:2000 (Table D to H)	D	95	47	5	67	4	M12	-	14
	E	95	47	6	67	4	M12	-	14
	F	95	47	10	67	4	M12	-	14
	H	115	57	13	83	4	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	88.9	35.1	11.2	60.5	4	-	1/2	15.7
	300	95.3	35.1	14.2	66.5	4	-	1/2	15.7
	600	95.3	35.1	14.2	66.5	4	-	1/2	15.7
	900	120.7	35.1	22.4	82.6	4	-	3/4	22.4
	1500	120.7	35.1	22.4	82.6	4	-	3/4	22.4
EN 1092-1 2007	2500	133.4	35.1	30.2	88.9	4	-	3/4	22.4
	PN6	80	40	12	55	4	M10	-	11
	PN10	95	45	14	65	4	M12	-	14
	PN16	95	45	14	65	4	M12	-	14
	PN40	95	45	14	65	4	M12	-	14

## 3/4" - 20mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 2129:2000 (Table D to H)	D	100	53	5	73	4	M12	-	14
	E	100	53	6	73	4	M12	-	14
	F	100	53	10	73	4	M12	-	14
	H	115	57	13	83	4	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	98.6	43	12.7	69.9	4	-	1/2	15.7
	300	117.3	43	15.7	82.6	4	-	5/8	19.1
	600	117.3	43	15.7	82.6	4	-	5/8	19.1
	900	130	43	25.4	88.9	4	-	3/4	22.4
	1500	130	43	25.4	88.9	4	-	3/4	22.4
EN 1092-1 2007	2500	139.7	43	31.8	95.3	4	-	3/4	22.4
	PN6	90	50	14	65	4	M10	-	11
	PN10	105	58	16	75	4	M12	-	14
	PN16	105	58	16	75	4	M12	-	14
	PN40	105	58	16	75	4	M12	-	14

## 1" - 25mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 2129:2000 (Table D to H)	D	115	65	5	83	4	M12	-	14
	E	115	63	7	83	4	M12	-	14
	F	120	63	10	87	4	M16	-	18
	H	120	64	14	87	4	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	108	50.8	14.2	79.2	4	-	1/2	15.7
	300	124	50.8	17.5	88.9	4	-	5/8	19.1
	600	124	50.8	17.5	88.9	4	-	5/8	19.1
	900	149.4	50.8	28.4	101.6	4	-	7/8	25.4
	1500	149.4	50.8	28.4	101.6	4	-	7/8	25.4
EN 1092-1 2007	2500	158.8	50.8	35.1	108	4	-	7/8	25.4
	PN6	100	60	14	75	4	M10	-	11
	PN10	115	68	16	85	4	M12	-	14
	PN16	115	68	16	85	4	M12	-	14
	PN40	115	68	16	85	4	M12	-	14

# Flange Tables

## 1-1/4" - 32mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 2129:2000 (Table D to H)	D	120	67	6	87	4	M12	-	14
	E	120	67	8	87	4	M12	-	14
	F	135	74	13	98	4	M16	-	18
	H	135	76	17	98	4	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	117.3	63.5	15.7	88.9	4	-	1/2	15.7
	300	133.4	63.5	19.1	98.6	4	-	5/8	19.1
	600	133.4	63.5	20.6	98.6	4	-	5/8	19.1
	900	158.8	63.5	28.4	111.3	4	-	7/8	25.4
	1500	158.8	63.5	28.4	111.3	4	-	7/8	25.4
EN 1092-1 2007	PN6	120	70	16	90	4	M12	-	14
	PN10	140	78	18	100	4	M16	-	18
	PN16	140	78	18	100	4	M16	-	18
	PN40	140	78	18	100	4	M16	-	18

## 1-1/2" - 40mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 2129:2000 (Table D to H)	D	135	78	6	98	4	M12	-	14
	E	135	78	9	98	4	M12	-	14
	F	140	81	13	105	4	M16	-	18
	H	140	83	17	105	4	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	127	73.2	17.5	98.6	4	-	1/2	15.7
	300	155.4	73.2	20.6	114.3	4	-	3/4	22.4
	600	155.4	73.2	22.4	114.3	4	-	3/4	22.4
	900	177.8	73.2	31.8	124	4	-	1	28.4
	1500	177.8	73.2	31.8	124	4	-	1	28.4
EN 1092-1 2007	PN6	130	80	16	100	4	M12	-	14
	PN10	150	88	18	110	4	M16	-	18
	PN16	150	88	18	110	4	M16	-	18
	PN40	150	88	18	110	4	M16	-	18

## 2" - 50mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	150	90	11	114	4	M16	-	18
AS 2129:2000 (Table D to H)	D	150	90	8	114	4	M16	-	18
	E	150	90	10	114	4	M16	-	18
	F	165	103	16	127	4	M16	-	18
	H	165	102	19	127	4	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	152.4	91.9	19.1	120.7	4	-	5/8	19.1
	300	165.1	91.9	22.4	127	8	-	5/8	19.1
	600	165.1	91.9	25.4	127	8	-	5/8	19.1
	900	215.9	91.9	38.1	165.1	8	-	7/8	25.4
	1500	215.9	91.9	38.1	165.1	8	-	7/8	25.4
EN 1092-1 2007	PN6	140	90	16	110	4	M12	-	14
	PN10	165	102	20	125	4	M16	-	18
	PN16	165	102	20	125	4	M16	-	18
	PN40	165	102	20	125	4	M16	-	18

# Flange Tables

## 2-1/2" - 65mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	165	103	11	127	4	M16	-	18
AS 2129:2000 (Table D to H)	D	165	103	8	127	4	M16	-	18
	E	165	103	10	127	4	M16	-	18
	F	185	122	16	146	8	M16	-	18
	H	185	114	19	146	8	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	177.8	104.6	22.4	139.7	4	-	5/8	19.1
	300	190.5	104.6	25.4	149.4	8	-	3/4	22.4
	600	190.5	104.6	28.4	149.4	8	-	3/4	22.4
	900	244.3	104.6	41.1	190.5	8	-	1	28.4
	1500	244.3	104.6	41.1	190.5	8	-	1	28.4
EN 1092-1 2007	PN6	160	110	16	130	4	M12	-	14
	PN10	185	122	20	145	8	M16	-	18
	PN16	185	122	20	145	8	M16	-	18
	PN40	185	122	22	145	8	M16	-	18

## 3" - 80mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	185	122	11	146	4	M16	-	18
AS 2129 TE / AS 4087	PN16	185	122	11	146	4	M16	-	18
AS 2129:2000 (Table D to H)	D	185	122	10	146	4	M16	-	18
	E	185	122	11	146	4	M16	-	18
	F	205	141	16	165	8	M16	-	18
	H	205	127	22	165	8	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	190.5	127	23.9	152.4	4	-	5/8	19.1
	300	209.6	127	28.4	168.1	8	-	3/4	22.4
	600	209.6	127	31.8	168.1	8	-	3/4	22.4
	900	241.3	127	38.1	190.5	8	-	7/8	25.4
	1500	266.7	127	47.8	203.2	8	-	1.1/8	31.8
EN 1092-1 2007	PN6	190	128	18	150	4	M16	-	18
	PN10	200	138	20	160	8	M16	-	18
	PN16	200	138	20	160	8	M16	-	18
	PN40	200	138	24	160	8	M16	-	18

## 3-1/2" - 90mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 2129:2000 (Table D to H)	D	205	141	10	165	4	M16	-	18
	E	205	141	12	165	8	M16	-	18
	F	215	154	19	178	8	M16	-	18
	H	215	140	22	178	8	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	215.9	139.7	23.9	177.8	8	-	5/8	19.1
	300	228.6	139.7	30.2	184.2	8	-	3/4	22.4
	600	228.6	139.7	35.1	184.2	8	-	7/8	25.4
	900	-	-	-	-	-	-	-	-
	1500	-	-	-	-	-	-	-	-
EN 1092-1 2007	PN6	-	-	-	-	-	-	-	-
	PN10	-	-	-	-	-	-	-	-
	PN16	-	-	-	-	-	-	-	-
	PN40	-	-	-	-	-	-	-	-

## Flange Tables

### 4" - 100mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size		Hole Size
							Metric	Inch	
AS 4087	PN16	215	154	13	178	4	M16	-	18
AS 2129:2000 (Table D to H)	D	215	154	10	178	4	M16	-	18
	E	215	154	13	178	8	M16	-	18
	F	230	167	19	191	8	M16	-	18
	H	230	152	25	191	8	M16	-	18
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	228.6	157.2	23.9	190.5	8	-	5/8	19.1
	300	254	157.2	31.75	200.2	8	-	3/4	22.4
	600	273.1	157.2	38.1	215.9	8	-	7/8	25.4
	900	292.1	157.2	44.5	235	8	-	1-1/8	31.8
	1500	311.2	157.2	53.8	241.3	8	-	1-1/4	35.1
EN 1092-1 2007	2500	355.6	157.2	76.2	273.1	8	-	1-1/2	41.1
	PN6	210	148	18	170	4	M16	-	18
	PN10	220	158	22	180	8	M16	-	18
	PN16	220	158	22	180	8	M16	-	18
	PN40	235	162	26	190	8	M20	-	22

### 5" - 125mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size		Hole Size
							Metric	Inch	
AS 4087	PN16	255	186	13	210	8	M16	-	18
AS 2129:2000 (Table D to H)	D	255	186	13	210	8	M16	-	18
	E	255	186	14	210	8	M16	-	18
	F	280	207	22	235	8	M20	-	22
	H	280	178	29	235	8	M20	-	22
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	254	185.7	23.9	215.9	8	-	3/4	22.4
	300	279.4	185.7	35.1	235	8	-	3/4	22.4
	600	330.2	185.7	44.5	266.7	8	-	1	28.4
	900	349.3	185.7	50.8	279.4	8	-	1-1/4	35.1
	1500	374.7	185.7	73.2	292.1	8	-	1-1/2	41.1
EN 1092-1 2007	2500	419.1	185.7	91.9	323.9	8	-	1-3/4	47.8
	PN6	240	178	20	200	8	M16	-	18
	PN10	250	188	22	210	8	M16	-	18
	PN16	250	188	22	210	8	M16	-	18
	PN40	270	188	28	220	8	M24	-	26

### 6" - 150mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size		Hole Size
							Metric	Inch	
AS 4087	PN16	280	211	13	235	8	M16	-	18
AS 2129 TD / AS 4087	PN16	280	211	13	235	8	M16	-	18
AS 2129:2000 (Table D to H)	D	280	211	13	235	8	M16	-	18
	E	280	207	17	235	8	M20	-	22
	F	305	232	22	260	12	M20	-	22
	H	305	210	29	260	12	M20	-	22
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	279.4	215.9	25.4	241.3	8	-	3/4	22.4
	300	317.5	215.9	36.6	269.7	12	-	3/4	22.4
	600	355.6	215.9	47.8	292.1	12	-	1	28.4
	900	381	215.9	55.6	317.5	12	-	1-1/8	31.8
	1500	393.7	215.9	82.6	317.5	12	-	1-3/8	38.1
EN 1092-1 2007	2500	482.6	215.9	108	368.3	8	-	2	53.8
	PN6	265	202	20	225	8	M16	-	18
	PN10	285	212	24	240	8	M20	-	22
	PN16	285	212	24	240	8	M20	-	22
	PN40	300	218	30	250	8	M24	-	26

## Flange Tables

### 8" - 200mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size		Hole Size
							Metric	Inch	
AS 4087	PN16	335	268	19	292	8	M16	-	18
AS 2129:2000 (Table D to H)	D	335	268	13	292	8	M16	-	18
	E	335	264	19	292	8	M20	-	22
	F	370	296	25	324	12	M20	-	22
	H	370	260	32	324	12	M20	-	22
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	342.9	269.7	28.4	298.5	8	-	3/4	22.4
	300	381	269.7	41.1	330.2	12	-	7/8	25.4
	600	419.1	269.7	55.6	349.3	12	-	1-1/8	31.8
	900	469.9	269.7	63.5	393.7	12	-	1-3/8	38.1
	1500	482.6	269.7	91.9	393.7	12	-	1-5/8	44.5
EN 1092-1 2007	2500	552.5	269.7	127	438.2	12	-	2	53.8
	PN6	320	258	22	280	8	M16	-	18
	PN10	340	268	24	295	8	M20	-	22
	PN16	340	268	26	295	12	M20	-	22
	PN40	375	285	36	320	12	M27	-	30

### 10" - 250mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size		Hole Size
							Metric	Inch	
AS 4087	PN16	405	328	19	356	8	M20	-	22
AS 2129:2000 (Table D to H)	D	405	328	16	356	8	M20	-	22
	E	405	328	22	356	12	M20	-	22
	F	430	349	29	381	12	M24	-	26
	H	430	311	35	381	12	M24	-	26
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	406.4	323.9	30.2	362	12	-	7/8	25.4
	300	444.5	323.9	47.8	387.4	16	-	1	28.4
	600	508	323.9	63.5	431.8	16	-	1-1/4	35.1
	900	546.1	323.9	69.9	469.9	16	-	1-3/8	38.1
	1500	584.2	323.9	108	482.6	12	-	1-7/8	50.8
EN 1092-1 2007	2500	673.1	323.9	165.1	539.8	12	-	2-1/2	66.5
	PN6	375	312	24	335	12	M16	-	18
	PN10	395	320	26	350	12	M20	-	22
	PN16	405	320	29	355	12	M24	-	26
	PN40	450	345	42	385	12	M30	-	33

### 12" - 300mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size		Hole Size
							Metric	Inch	
AS 4087	PN16	455	378	23	406	12	M20	-	22
AS 2129:2000 (Table D to H)	D	455	378	19	406	12	M20	-	22
	E	455	374	25	406	12	M24	-	26
	F	490	406	32	438	16	M24	-	26
	H	490	362	41	438	16	M24	-	26
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	482.6	381	31.75	431.8	12	-	7/8	25.4
	300	520.7	381	50.8	450.9	16	-	1-1/8	31.8
	600	558.8	381	66.5	489	20	-	1-1/4	35.1
	900	609.6	381	79.2	533.4	20	-	1-3/8	38.1
	1500	673.1	381	124	571.5	16	-	2	53.8
EN 1092-1 2007	2500	762	381	184.2	619.3	12	-	2-3/4	73.2
	PN6	440	365	24	395	12	M20	-	22
	PN10	445	370	26	400	12	M20	-	22
	PN16	460	378	32	410	12	M24	-	26
	PN40	515	410	52	450	16	M30	-	33

# Flange Tables

## 14" - 350mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	525	438	30	470	12	M24	-	26
AS 2129:2000 (Table D to H)	D	525	438	22	470	12	M24	-	26
	E	525	438	29	470	12	M24	-	26
	F	550	459	35	495	16	M27	-	30
	H	550	419	48	495	16	M27	-	30
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	533.4	412.8	35.1	476.3	12	-	1	28.4
	300	584.2	412.8	53.8	514.4	20	-	1-1/8	31.8
	600	603.3	412.8	69.9	527.1	20	-	1-3/8	38.1
	900	641.4	412.8	85.9	558.8	20	-	1-1/2	41.1
	1500	749.3	412.8	133.4	635	16	-	2.-1/4	60.5
EN 1092-1 2007	PN6	490	415	26	445	12	M20	-	22
	PN10	505	430	30	460	16	M20	-	22
	PN16	520	438	35	470	16	M24	-	26
	PN40	580	465	58	510	16	M33	-	36

## 16" - 400mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	580	489	30	521	12	M24	-	26
AS 2129:2000 (Table D to H)	D	580	489	22	521	12	M24	-	26
	E	580	489	32	521	12	M24	-	26
	F	610	516	41	552	20	M27	-	30
	H	610	483	54	552	20	M27	-	30
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	596.9	469.9	36.6	539.8	16	-	1	28.4
	300	647.7	469.9	57.2	571.5	20	-	1-1/4	35.1
	600	685.8	469.9	76.2	603.3	20	-	1-1/2	41.1
	900	704.9	469.9	88.9	616	20	-	1-5/8	44.5
	1500	825.5	469.9	146.1	704.9	16	-	2-1/2	66.5
EN 1092-1 2007	PN6	540	465	28	495	16	M20	-	22
	PN10	565	482	32	515	16	M24	-	26
	PN16	580	490	38	525	16	M27	-	30
	PN40	660	535	65	585	16	M36	-	39

## 18" - 450mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	640	552	30	584	12	M24	-	26
AS 2129:2000 (Table D to H)	D	640	532	25	584	12	M24	-	26
	E	640	552	35	584	16	M24	-	26
	F	675	571	44	610	20	M30	-	33
	H	675	533	60	610	20	M30	-	33
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	635	533.4	39.6	577.9	16	-	1-1/8	31.8
	300	711.2	533.4	60.5	628.7	24	-	1-1/4	35.1
	600	743	533.4	82.6	654.1	20	-	1-5/8	44.5
	900	787.4	533.4	101.6	685.8	20	-	1-7/8	50.8
	1500	914.4	533.4	162	774.7	16	-	2-3/4	73.2
EN 1092-1 2007	PN6	595	520	30	550	16	M20	-	22
	PN10	615	532	36	565	20	M24	-	26
	PN16	640	550	42	585	20	M27	-	30

# Flange Tables

## 20" - 500mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	705	609	38	641	16	M24	-	26
AS 2129:2000 (Table D to H)	D	705	609	29	641	16	M24	-	26
	E	705	609	38	641	16	M24	-	26
	F	735	634	51	673	24	M30	-	33
	H	735	597	67	673	24	M30	-	33
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	698.5	584.2	42.9	635	20	-	1-1/8	31.8
	300	774.7	584.2	63.5	685.8	24	-	1-1/4	35.1
	600	812.8	584.2	88.9	723.9	24	-	1-5/8	44.5
	900	857.3	584.2	108	749.3	20	-	2	53.8
	1500	984.3	584.2	177.8	831.9	16	-	3	79.2
EN 1092-1 2007	PN6	645	570	30	600	20	M20	-	22
	PN10	670	585	38	620	20	M24	-	26
	PN16	715	610	46	650	20	M30	-	33

## 24" - 600mm

Flange Type Standard	Class Rating Table	Flange Dimensions			Bolt Data				
		Outside Diameter	Raised Face Diameter	Thickness	Bolt Circle Diameter	No. of Bolts	Bolt Size Metric	Inch	Hole Size
AS 4087	PN16	825	720	48	756	16	M27	-	30
AS 2129:2000 (Table D to H)	D	825	720	32	756	16	M27	-	30
	E	825	717	48	756	16	M30	-	33
	F	850	739	57	781	24	M33	-	36
	H	850	699	76	781	24	M33	-	36
ASME/ANSI B 16.5:1988 (Class 150-2500)	150	812.8	692.2	47.8	749.3	20	-	1-1/4	35.1
	300	914.4	692.2	69.9	812.8	24	-	1-1/2	41.2
	600	934.8	692.2	101.6	838.2	24	-	1-7/8	50.8
	900	1041.4	692.2	139.7	901.7	20	-	2.-1/2	66.5
	1500	1168.4	692.2	203.2	990.6	16	-	3-1/2	91.9
EN 1092-1 2007	PN6	755	670	32	705	20	M24	-	26
	PN10	780	685	42	725	20	M27	-	30
	PN16	840	725	55	770	20	M33	-	36