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ANSI/ASME B16.5 FLANGE NOMINAL DIMENSIONS

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B16.5 FLANGE NOMINAL DIMENSIONS

PRODUCT: RFS/SRFS

Part Number	OD	ID	BH DIA.	BHC DIA.	Bolt Spacing	No. Holes	Flange Thickness (Exclusive of Raised Face) (1)	Length Through Hub (Exclusive of Raised Face) (1)	Hub Diameter	Raised Face Diameter
(S)RFS0050	3.50	0.88	0.625	2.38	1.683	4	0.38	0.56	1.19	1.38
(S)RFS0075	3.88	1.09	0.625	2.75	1.945	4	0.44	0.56	1.50	1.69
(S)RFS0100	4.25	1.36	0.625	3.13	2.213	4	0.50	0.62	1.94	2.00
(S)RFS0125	4.63	1.70	0.625	3.50	2.475	4	0.56	0.75	2.31	2.50
(S)RFS0150	5.00	1.95	0.625	3.88	2.744	4	0.62	0.81	2.56	2.88
(S)RFS0200	6.00	2.44	0.750	4.75	3.359	4	0.69	0.94	3.06	3.62
(S)RFS0250	7.00	2.94	0.750	5.50	3.889	4	0.81	1.06	3.56	4.12
(S)RFS0300	7.50	3.57	0.750	6.00	4.243	4	0.88	1.12	4.25	5.00
(S)RFS0350	8.50	4.07	0.750	7.00	2.679	8	0.88	1.19	4.81	5.50
(S)RFS0400	9.00	4.57	0.750	7.50	2.870	8	0.88	1.25	5.31	6.19
(S)RFS0500	10.00	5.66	0.875	8.50	3.253	8	0.88	1.38	6.44	7.31
(S)RFS0600	11.00	6.72	0.875	9.50	3.635	8	0.94	1.50	7.56	8.50
(S)RFS0800	13.50	8.72	0.875	11.75	4.497	8	1.06	1.69	9.69	10.62
(S)RFS1000	16.00	10.88	1.000	14.25	3.688	12	1.12	1.88	12.00	12.75
(S)RFS1200	19.00	12.88	1.000	17.00	4.400	12	1.19	2.12	14.38	15.00
(S)RFS1400	21.00	14.14	1.125	18.75	4.853	12	1.31	2.19	15.75	16.25
(S)RFS1600	23.50	16.16	1.125	21.25	4.146	16	1.38	2.44	18.00	18.50
(S)RFS1800	25.00	18.18	1.250	22.75	4.438	16	1.50	2.62	19.88	21.00
(S)RFS2000	27.50	20.20	1.250	25.00	3.911	20	1.62	2.81	22.00	23.00
(S)RFS2200	29.50	22.22	1.375	27.25	4.263	20	1.75	3.06	24.00	25.25
(S)RFS2400	32.00	24.25	1.375	29.50	4.615	20	1.81	3.19	26.12	27.25

Notes:

(1) The Height of the raised face is 0.06. This feature must be on all flanges listed above.



B16.5 FLANGE NOMINAL DIMENSIONS

PRODUCT: FFS/SFFS

Part Number	OD	ID	BH DIA.	BHC DIA.	Bolt Spacing	No. Holes	Flange Thickness (1)	Length Through Hub (1)	Hub Diameter
(S)FFS0050	3.50	0.88	0.625	2.38	1.683	4	0.44	0.62	1.19
(S)FFS0075	3.88	1.09	0.625	2.75	1.945	4	0.50	0.62	1.50
(S)FFS0100	4.25	1.36	0.625	3.13	2.213	4	0.56	0.69	1.94
(S)FFS0125	4.63	1.70	0.625	3.50	2.475	4	0.62	0.81	2.31
(S)FFS0150	5.00	1.95	0.625	3.88	2.744	4	0.69	0.88	2.56
(S)FFS0200	6.00	2.44	0.750	4.75	3.359	4	0.75	1.00	3.06
(S)FFS0250	7.00	2.94	0.750	5.50	3.889	4	0.88	1.12	3.56
(S)FFS0300	7.50	3.57	0.750	6.00	4.243	4	0.94	1.19	4.25
(S)FFS0350	8.50	4.07	0.750	7.00	2.679	8	0.94	1.25	4.81
(S)FFS0400	9.00	4.57	0.750	7.50	2.870	8	0.94	1.31	5.31
(S)FFS0500	10.00	5.66	0.875	8.50	3.253	8	0.94	1.44	6.44
(S)FFS0600	11.00	6.72	0.875	9.50	3.635	8	1.00	1.56	7.56
(S)FFS0800	13.50	8.72	0.875	11.75	4.497	8	1.12	1.75	9.69
(S)FFS1000	16.00	10.88	1.000	14.25	3.688	12	1.19	1.94	12.00
(S)FFS1200	19.00	12.88	1.000	17.00	4.400	12	1.25	2.19	14.38
(S)FFS1400	21.00	14.14	1.125	18.75	4.853	12	1.31	2.25	15.75
(S)FFS1600	23.50	16.16	1.125	21.25	4.146	16	1.44	2.50	18.00
(S)FFS1800	25.00	18.18	1.250	22.75	4.438	16	1.56	2.69	19.88
(S)FFS2000	27.50	20.20	1.250	25.00	3.911	20	1.69	2.88	22.00
(S)FFS2200	29.50	22.22	1.375	27.25	4.263	20	1.81	3.12	24.00
(S)FFS2400	32.00	24.25	1.375	29.50	4.615	20	1.88	3.25	26.12

Notes:

- (1) The Flat Face design includes the addition of 0.06 per B16.5. This has already been added to the thickness and length through hub in the above table.



B16.5 FLANGE NOMINAL DIMENSIONS

PRODUCT: RFS-30/SRFS-30

Part Number	OD	ID	BH DIA.	BHC DIA.	Bolt Spacing	No. Holes	Flange Thickness (Exclusive of Raised Face) (1)	Length Through Hub (Exclusive of Raised Face) (1)	Hub Diameter	Raised Face Diameter
(S)RFS0050-30	3.75	0.88	0.625	2.62	1.860	4	0.50	0.81	1.50	1.38
(S)RFS0075-30	4.63	1.09	0.750	3.25	2.298	4	0.56	0.94	1.88	1.69
(S)RFS0100-30	4.88	1.36	0.750	3.50	2.475	4	0.62	1.00	2.12	2.00
(S)RFS0125-30	5.25	1.70	0.750	3.88	2.744	4	0.69	1.00	2.50	2.50
(S)RFS0150-30	6.13	1.95	0.875	4.50	3.182	4	0.75	1.13	2.75	2.88
(S)RFS0200-30	6.50	2.44	0.750	5.00	1.913	8	0.81	1.25	3.31	3.62
(S)RFS0250-30	7.50	2.94	0.875	5.88	2.250	8	0.94	1.44	3.94	4.12
(S)RFS0300-30	8.25	3.57	0.875	6.62	2.537	8	1.06	1.63	4.62	5.00
(S)RFS0350-30	9.00	4.07	0.875	7.25	2.774	8	1.12	1.69	5.25	5.50
(S)RFS0400-30	10.00	4.57	0.875	7.88	3.016	8	1.19	1.82	5.75	6.19
(S)RFS0500-30	11.00	5.66	0.875	9.25	3.540	8	1.31	1.94	7.00	7.31
(S)RFS0600-30	12.50	6.72	0.875	10.62	2.751	12	1.38	2.00	8.12	8.50
(S)RFS0800-30	15.00	8.72	1.000	13.00	3.365	12	1.56	2.38	10.25	10.62
(S)RFS1000-30	17.50	10.88	1.125	15.25	2.975	16	1.81	2.56	12.62	12.75
(S)RFS1200-30	20.50	12.88	1.250	17.75	3.463	16	1.94	2.82	14.75	15.00
(S)RFS1400-30	23.00	14.14	1.250	20.25	3.168	20	2.06	2.94	16.75	16.25
(S)RFS1600-30	25.50	16.16	1.375	22.50	3.520	20	2.19	3.19	19.00	18.50
(S)RFS1800-30	28.00	18.18	1.375	24.75	3.231	24	2.31	3.44	21.00	21.00
(S)RFS2000-30	30.50	20.20	1.375	27.00	3.524	24	2.44	3.69	23.12	23.00
(S)RFS2200-30	33.00	22.22	1.625	29.25	3.818	24	2.56	3.94	25.25	25.25
(S)RFS2400-30	36.00	24.25	1.625	32.00	4.177	24	2.69	4.13	27.62	27.25

Notes:

(1) The Height of the raised face is 0.06. This feature must be on all flanges listed above.



B16.5 FLANGE NOMINAL DIMENSIONS

PRODUCT: FFS-30/SFFS-30

Part Number	OD	ID	BH DIA.	BHC DIA.	Bolt Spacing	No. Holes	Flange Thickness (1)	Length Through Hub (1)	Hub Diameter	Raised Face Diameter
(S)FFS0050-30	3.75	0.88	0.625	2.62	1.860	4	0.56	0.88	1.50	1.38
(S)FFS0075-30	4.63	1.09	0.750	3.25	2.298	4	0.62	1.00	1.88	1.69
(S)FFS0100-30	4.88	1.36	0.750	3.50	2.475	4	0.69	1.06	2.12	2.00
(S)FFS0125-30	5.25	1.70	0.750	3.88	2.744	4	0.75	1.06	2.50	2.50
(S)FFS0150-30	6.13	1.95	0.875	4.50	3.182	4	0.81	1.19	2.75	2.88
(S)FFS0200-30	6.50	2.44	0.750	5.00	1.913	8	0.88	1.31	3.31	3.62
(S)FFS0250-30	7.50	2.94	0.875	5.88	2.250	8	1.00	1.50	3.94	4.12
(S)FFS0300-30	8.25	3.57	0.875	6.62	2.537	8	1.12	1.69	4.62	5.00
(S)FFS0350-30	9.00	4.07	0.875	7.25	2.774	8	1.19	1.75	5.25	5.50
(S)FFS0400-30	10.00	4.57	0.875	7.88	3.016	8	1.25	1.88	5.75	6.19
(S)FFS0500-30	11.00	5.66	0.875	9.25	3.540	8	1.38	2.00	7.00	7.31
(S)FFS0600-30	12.50	6.72	0.875	10.62	2.751	12	1.44	2.06	8.12	8.50
(S)FFS0800-30	15.00	8.72	1.000	13.00	3.365	12	1.62	2.44	10.25	10.62
(S)FFS1000-30	17.50	10.88	1.125	15.25	2.975	16	1.88	2.62	12.62	12.75
(S)FFS1200-30	20.50	12.88	1.250	17.75	3.463	16	2.00	2.88	14.75	15.00
(S)FFS1400-30	23.00	14.14	1.250	20.25	3.168	20	2.12	3.00	16.75	16.25
(S)FFS1600-30	25.50	16.16	1.375	22.50	3.520	20	2.25	3.25	19.00	18.50
(S)FFS1800-30	28.00	18.18	1.375	24.75	3.231	24	2.38	3.50	21.00	21.00
(S)FFS2000-30	30.50	20.20	1.375	27.00	3.524	24	2.50	3.75	23.12	23.00
(S)FFS2200-30	33.00	22.22	1.625	29.25	3.818	24	2.62	4.00	25.25	25.25
(S)FFS2400-30	36.00	24.25	1.625	32.00	4.177	24	2.75	4.19	27.62	27.25

Notes:

(1) The Flat Face design includes the addition of 0.06 per B16.5. This has already been added to the thickness and length through hub in the above table.

B16.5 FLANGE NOMINAL DIMENSIONS

PRODUCT: RFB/SRFB

Part Number	OD	ID	BH DIA.	BHC DIA.	Bolt Spacing	No. Holes	Flange Thickness (Exclusive of Raised Face) (1)	Raised Face Diameter
(S)RFB0050	3.50	BLIND	0.625	2.38	1.683	4	0.38	1.38
(S)RFB0075	3.88	BLIND	0.625	2.75	1.945	4	0.44	1.69
(S)RFB0100	4.25	BLIND	0.625	3.13	2.213	4	0.50	2.00
(S)RFB0125	4.63	BLIND	0.625	3.50	2.475	4	0.56	2.50
(S)RFB0150	5.00	BLIND	0.625	3.88	2.744	4	0.62	2.88
(S)RFB0200	6.00	BLIND	0.750	4.75	3.359	4	0.69	3.62
(S)RFB0250	7.00	BLIND	0.750	5.50	3.889	4	0.81	4.12
(S)RFB0300	7.50	BLIND	0.750	6.00	4.243	4	0.88	5.00
(S)RFB0350	8.50	BLIND	0.750	7.00	2.679	8	0.88	5.50
(S)RFB0400	9.00	BLIND	0.750	7.50	2.870	8	0.88	6.19
(S)RFB0500	10.00	BLIND	0.875	8.50	3.253	8	0.88	7.31
(S)RFB0600	11.00	BLIND	0.875	9.50	3.635	8	0.94	8.50
(S)RFB0800	13.50	BLIND	0.875	11.75	4.497	8	1.06	10.62
(S)RFB1000	16.00	BLIND	1.000	14.25	3.688	12	1.12	12.75
(S)RFB1200	19.00	BLIND	1.000	17.00	4.400	12	1.19	15.00
(S)RFB1400	21.00	BLIND	1.125	18.75	4.853	12	1.31	16.25
(S)RFB1600	23.50	BLIND	1.125	21.25	4.146	16	1.38	18.50
(S)RFB1800	25.00	BLIND	1.250	22.75	4.438	16	1.50	21.00
(S)RFB2000	27.50	BLIND	1.250	25.00	3.911	20	1.62	23.00
(S)RFB2200	29.50	BLIND	1.375	27.25	4.263	20	1.75	25.25
(S)RFB2400	32.00	BLIND	1.375	29.50	4.615	20	1.81	27.25

Notes:

(1) The Height of the raised face is 0.06. This feature must be on all flanges listed above.

B16.5 FLANGE NOMINAL DIMENSIONS

PRODUCT: RFB-30/SRFB-30

Part Number	OD	ID	BH DIA.	BHC DIA.	Bolt Spacing	No. Holes	Flange Thickness (Exclusive of Raised Face) (1)	Raised Face Diameter
(S)RFB0050-30	3.75	BLIND	0.625	2.62	1.860	4	0.50	1.38
(S)RFB0075-30	4.63	BLIND	0.750	3.25	2.298	4	0.56	1.69
(S)RFB0100-30	4.88	BLIND	0.750	3.50	2.475	4	0.62	2.00
(S)RFB0125-30	5.25	BLIND	0.750	3.88	2.744	4	0.69	2.50
(S)RFB0150-30	6.13	BLIND	0.875	4.50	3.182	4	0.75	2.88
(S)RFB0200-30	6.50	BLIND	0.750	5.00	1.913	8	0.81	3.62
(S)RFB0250-30	7.50	BLIND	0.875	5.88	2.250	8	0.94	4.12
(S)RFB0300-30	8.25	BLIND	0.875	6.62	2.537	8	1.06	5.00
(S)RFB0350-30	9.00	BLIND	0.875	7.25	2.774	8	1.12	5.50
(S)RFB0400-30	10.00	BLIND	0.875	7.88	3.016	8	1.19	6.19
(S)RFB0500-30	11.00	BLIND	0.875	9.25	3.540	8	1.31	7.31
(S)RFB0600-30	12.50	BLIND	0.875	10.62	2.751	12	1.38	8.50
(S)RFB0800-30	15.00	BLIND	1.000	13.00	3.365	12	1.56	10.62
(S)RFB1000-30	17.50	BLIND	1.125	15.25	2.975	16	1.81	12.75
(S)RFB1200-30	20.50	BLIND	1.250	17.75	3.463	16	1.94	15.00
(S)RFB1400-30	23.00	BLIND	1.250	20.25	3.168	20	2.06	16.25
(S)RFB1600-30	25.50	BLIND	1.375	22.50	3.520	20	2.19	18.50
(S)RFB1800-30	28.00	BLIND	1.375	24.75	3.231	24	2.31	21.00
(S)RFB2000-30	30.50	BLIND	1.375	27.00	3.524	24	2.44	23.00
(S)RFB2200-30	33.00	BLIND	1.625	29.25	3.818	24	2.56	25.25
(S)RFB2400-30	36.00	BLIND	1.625	32.00	4.177	24	2.69	27.25

Notes:

(1) The Height of the raised face is 0.06. This feature must be on all flanges listed above.

B16.5 FLANGE NOMINAL DIMENSIONS



DATE	REV.	DESC. /INITIALS	APPROVAL
4/7/2026	A	Initial Release. EA	4/21/2026-GTD