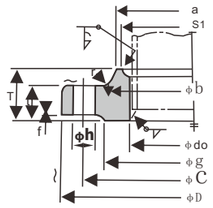
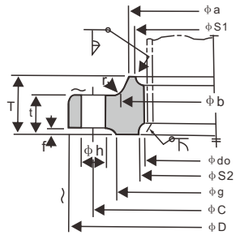
20K KS B 1511(KS B 1503) JIS B 2220-2004

SLIP -ON WELDING STEELPIPE FLANGE

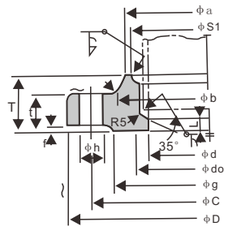
TYPE A
NOMINAL SIZE 10-50mm



TYPE B
NOMINAL SIZE 10-50mm



TYPE C
NOMINAL SIZE 65-600mm



* The surface finish(~) is in the case of die forging.

Unit:mm

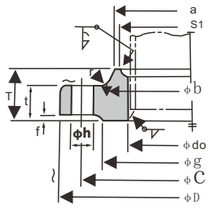
Nominal Bore of Flange	Outside Dia,of Applicable Pipe	Inside Dia.of Flange	Outside Dia.of Flange	Sectional Dimensions of Flange								Boit Hole			Nomi-nal Bolt Size	Reference					Approx. Weight (kg)
				t	T	Dia.of Hub a	Dia.of Hub b	Rdd-ius r	Raised Face f	Dia.of Raised Face g	Inside Dia.of Flange d	Dia.of Bolt Circle C	Number of Bolt Holes	Hole Dia. h		S1	m	S2	n	l	
10	17.3	17.8	90	14	20	30	32	4	1	46	-	65	4	15	M12	27	4	27	4	-	0.59
15	21.7	22.2	95	14	20	34	36	4	1	51	-	70	4	15	M12	31	4	31	4	-	0.65
20	27.2	27.7	100	16	22	40	42	4	1	56	-	75	4	15	M12	37	4	37	4	-	0.81
25	34.0	34.5	125	16	24	48	50	4	1	67	-	90	4	19	M16	44	4	44	4.5	-	1.29
32	42.7	43.2	135	18	26	56	60	5	2	76	-	100	4	19	M16	52	4	53	5	-	1.60
40	48.6	49.1	140	18	26	62	66	5	2	81	-	105	4	19	M16	58	4	59	5.5	-	1.69
50	60.5	61.1	155	18	26	76	80	5	2	96	-	120	8	19	M16	70	4	72	5.5	-	1.89
65	76.3	77.1	175	20	30	100	104	5	2	116	65.9	140	8	19	M16	94	6	-	-	6	2.60
80	89.1	90.0	200	22	34	113	117	6	2	132	78.1	160	8	23	M20	107	6	-	-	6	3.93
(90)	101.6	102.6	210	24	36	126	130	6	2	145	90.2	170	8	23	M20	120	6	-	-	6	4.56
100	114.3	115.4	225	24	36	138	142	6	2	160	102.3	185	8	23	M20	132	6	-	-	6	5.13
125	139.8	141.2	270	26	40	166	172	6	2	195	126.6	225	8	25	M22	160	7	-	-	6	8.30
150	165.2	166.6	305	28	42	196	202	6	2	230	151.0	260	12	25	M22	186	8	-	-	6	10.60
200	216.3	218.0	350	30	46	244	252	6	2	275	199.9	305	12	25	M22	237	9	-	-	6	13.30
250	267.4	269.5	430	34	52	304	312	6	2	345	248.8	380	12	27	M24	290	10	-	-	6	23.40
300	318.5	321.0	480	36	56	354	364	8	3	395	297.9	430	16	27	M24	345	11	-	-	6	27.70
350	355.6	358.1	540	40	62	398	408	8	3	440	333.4	480	16	33	M30×3	384	12	-	-	6	39.20
400	406.4	409.0	605	46	70	446	456	10	3	495	381.0	540	16	33	M30×3	437	13	-	-	7	54.20
450	457.2	460.0	675	48	78	504	514	10	3	560	431.8	605	20	33	M30×3	490	15	-	-	7	71.70
500	508.0	511.0	730	50	84	558	568	10	3	615	482.6	660	20	33	M30×3	544	16	-	-	7	86.20
(550)	558.8	562.0	795	52	90	612	622	10	3	670	533.4	720	20	39	M36×3	595	16	-	-	7	1050.0
600	609.6	613.0	845	54					3	720		770	24	39	M36×3			-	-		
*650	660.4	664	945	60	96	666	676	10	5	790	584.2	850	24	48	M45×3	646	18	-	-	7	1190.0
*700	711.2	715	995	64					5	840		900	24	48	M45×3			-	-		
*750	762.0	766	1080	68	-	-	-	-	5	900	-	970	24	56	M52×3	-	-	-	-	-	-
*800	812.8	817	1140	72	-	-	-	-	5	960	-	1030	24	56	M52×3	-	-	-	-	-	-
*850	863.6	868	1200	74	-	-	-	-	5	1020.8	-	1090	24	56	M52×3	-	-	-	-	-	-
*900	941.4	919	1250	76	-	-	-	-	5	1070	-	1140	28	56	M52×3	-	-	-	-	-	-

Notes:
1. Flanges of parenthesized nominal diameter had better not be used.
2."d"is an example of pipe thickness for schedule 40 for nominal diameter 400 and under, and for schedule 12.7mm for 450 through 600 of KS D3562 and KS D3507(JIS G3454, JIS G3456).
3. The dimension of the notch(m,N,S1,S2) for welding can decided between concerned parties.
4. Nominal diameter over 600 is manufacturer's standard.

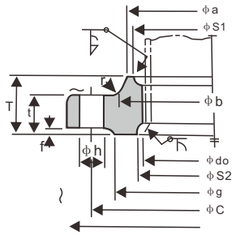
30K KS B1511(KS B 1503) JIS B 2220-2004

SLIP -ON WELDING STEELPIPE FLANGE

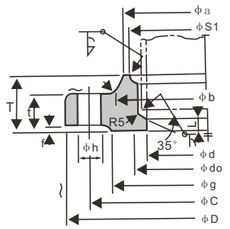
TYPE A
NOMINAL SIZE 10-50mm



TYPE B
NOMINAL SIZE 10-50mm



TYPE C
NOMINAL SIZE 65-600mm



* The surface finish(~) is in the case of die forging.

Unit:mm

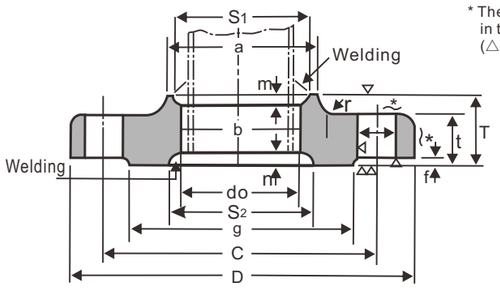
Nominal Bore of Flange	Outside Dia,of Applicable Pipe	Inside Dia.of Flange	Outside Dia.of Flange	Sectional Dimensions of Flange								Boit Hole			Nomi-nal Bolt Size	Reference					Approx. Weight (kg)
				t	T	Dia.of Hub a	Dia.of Hub b	Rdd-ius r	f	g	d	Bolt Circle Dia. C	Num-ber of Bolt Holes	Hole Dia. h		S1	m	S2	n	l	
10	17.3	17.8	110	16	24	30	34	4	1	52	-	75	4	19	M16	-	-	-	-	-	0.99
15	21.7	22.2	115	18	26	36	40	5	1	55	-	80	4	19	M16	31	4	40	5	-	1.23
20	27.2	27.7	120	18	28	42	46	5	1	60	-	85	4	19	M16	37	5	44	5	-	1.34
25	34.0	34.5	130	20	30	50	54	5	1	70	-	95	4	19	M16	44	6	52	5	-	1.76
32	42.7	43.2	140	22	32	60	64	6	2	80	-	105	4	19	M16	52	6	60	5	-	2.15
40	48.6	49.1	160	22	34	66	70	6	2	90	-	120	4	23	M20	58	6	66	5	-	2.82
50	60.5	61.1	165	22	36	82	86	6	2	105	-	130	8	19	M16	70	6.5	78	5	-	2.89
65	76.3	77.1	200	26	40	102	106	8	2	130	65.9	160	8	23	M20	96	9.5	94	5	6	4.70
80	89.1	90.0	210	28	44	115	121	8	2	140	78.1	170	8	23	M20	109	9.5	-	-	6	5.36
(90)	101.6	102.6	230	30	46	128	134	8	2	150	90.2	185	8	25	M22	122	9.5	-	-	6	6.85
100	114.3	115.4	240	32	48	141	147	8	2	160	102.3	195	8	25	M22	135	9.5	-	-	6	7.89
125	139.8	141.2	275	36	54	166	172	8	2	195	126.6	230	8	25	M22	160	9.5	-	-	6	11.4
150	165.2	166.6	325	38	58	196	204	8	2	235	151.0	275	12	27	M24	186	9.5	-	-	6	16.7
200	216.3	218.0	370	42	64	248	256	8	2	280	199.9	320	12	27	M24	237	9.5	-	-	6	20.6
250	267.4	269.5	450	48	72	306	314	10	2	345	248.8	390	12	22	M30	290	10	-	-	6	36.1
300	318.5	321.0	515	52	78	360	370	10	3	405	297.9	450	16	33	M30	345	12	-	-	6	49.9
350	355.6	358.1	560	54	84	402	412	12	3	450	333.4	495	16	33	M30	383	13	-	-	6	61.2
400	406.4	409.0	630	60	92	456	468	15	3	510	381.0	560	16	39	M36	435	14	-	-	7	85.2

Notes:
1. Flanges of parenthesized nominal diameter had better not be used.
2.d"is an example of pipe thickness for schedule 40 of KS D3562 and KS D3507 (JIS G3454, JIS G3456).if required, purchaser can specify for other pipe wall thickness.
3. This diameters of bolt holes(h) shall be in accordance with Class 3 of KS B1007(Grade 3 of JIS B1001) where the nominal designation of screw thread of bolt is not more than M16, and in accordance with Class 2 of KS B1007(Grade 2of JIS B1001) where the nominal designation of screw thread of bolt is not less than M30×3.
4. The dimension of the notch(m,n,S,, Sa) for welding can decide between concerned parties agreement between parties concerned.

40K JIS B 2216

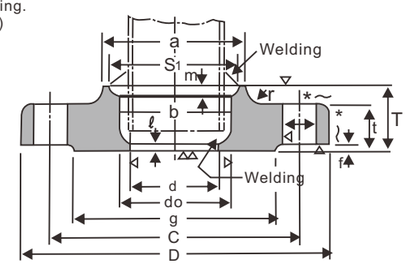
40KG/cm2 SLIP-ON WELDING PIPE FLANGE

NOMINAL SIZE 10-65mm



* The surface finish is in the case of forging. (△:in other cases)

NOMINAL SIZE 65-400mm



Unit:mm

Nominal Bore of Flange	Outside Dia,of Applicable Pipe	Inside Dia.of Flange	Outside Dia.of Flange	Sectional Dimensions of Flange								Boit Hole			Nomi-nal Bolt Size	Reference				Approx. Weight (kg)
				t	T	Dia.of Hub		Rdd-ius	f	g	d	Bolt Circle Dia.	Num-ber of Bolt Holes	Hole Dia.		S1	m	S2	n	
						a	b	r				C		h						
10	17.3	17.8	110	18	26	34	38	5	1	52	-	75	4	19	M16	28.0	6	28.0	5	1.11
15	21.7	22.2	115	20	30	39	43	5	1	55	-	80	4	19	M16	32.5	6	32.5	5	1.39
20	27.2	27.7	120	20	30	45	49	5	1	60	-	85	4	19	M16	38.0	6	38.0	5	1.51
25	34.0	34.5	130	22	32	55	59	5	1	70	-	95	4	19	M16	47.8	6	47.8	5	1.97
32	42.7	43.2	140	24	35	64	68	6	2	80	-	105	4	19	M16	56.5	6	56.5	5	2.50
40	48.6	49.1	160	24	35	70	74	6	2	90	-	120	4	23	M20	62.5	6	62.5	5	3.26
50	60.5	61.1	165	26	38	86	90	6	2	105	-	130	8	19	M16	74.5	6	74.5	5.5	3.47
65	76.3	77.1	200	30	44	106	110	8	2	130	62.3	160	8	23	M20	91.5	7	91.5	7	5.97
80	89.1	90.0	210	32	46	118	124	8	2	140	73.9	170	8	23	M20	105.5	7.5	105.5	7	6.76
100	114.3	115.4	250	36	52	145	151	8	2	165	97.1	205	8	25	M22	133.0	8.5	133.0	7	10.48
125	139.8	141.2	300	40	58	182	188	8	2	200	120.8	250	8	27	M24	160.5	9.5	160.0	7	16.97
150	165.2	166.6	355	44	64	200	208	8	2	240	143.2	295	12	33	M30	188.0	11	188.0	7	22.6
200	216.3	218.0	405	50	72	255	263	8	2	290	190.9	345	12	33	M30	243.0	13	243.0	7	34.9
250	267.4	269.5	475	56	80	310	318	10	2	355	237.2	410	12	33	M30	298.0	15	298.0	7	41.1

Notes:

1. As far as possible. nominal diameter in parenthesis should be avoid from use.
2. The dimensional tolerance shall comfirm to JIS B2203.
3. The flange gasket surface is based on large raised facing specified in JIS B2202. But, if necessary, facings other than the large raised facing specified in JIS B2201 can be designated by customers.
4. Size d is an example of pipe thickness for schedule 40 of JIS G3454 and JIS G3456. When other size is necesary, customer can order it at will.
5. Refer to JIS B2216.