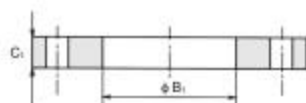


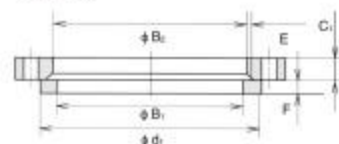
EN 1092-1:2007

DIMENSIONS OF PN6 FLANGES

TYPE 01



TYPE 02



TYPE 05



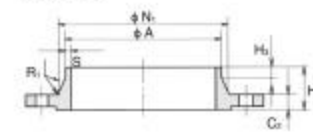
DN	Outside diameter	Diameter of bolt circle	Diameter of bolt hole	Bolt number	Outside diameter of neck A	Bore diameters		Flange thickness			Chamfer	Wall thickness	Collar Thickness	Diameter of shoulder Gmax
						B ₁	B ₂	C ₁	C ₂	C ₄	E	S	F	
Flange type														
01,02,05,11,12,13					11	01 12	02	01 02	11 12,13	05	02	11	32	05
10	75	50	11	4	17.2	18.0	21	12	12	12	3	2	10	—
15	80	55	11	4	21.3	22.0	25	12	12	12	3	2	10	—
20	90	65	11	4	26.9	27.5	31	14	14	14	4	2.3	10	—
25	100	75	11	4	33.7	34.5	38	14	14	14	4	2.6	10	—
32	120	90	14	4	42.4	43.5	46	16	14	14	5	2.6	10	—
40	130	100	14	4	48.3	49.5	53	16	14	14	5	2.6	10	—
50	140	110	14	4	60.3	61.5	65	16	14	14	5	2.9	12	—
65	160	130	14	4	76.1	77.5	81	16	14	14	6	2.9	12	55
80	190	150	18	4	88.9	90.5	94	18	16	16	6	3.2	12	70
100	210	170	18	4	114.3	116.0	120	18	16	16	6	3.6	14	90
125	240	200	18	8	139.7	141.5	145	20	18	18	6	4.0	14	115
150	265	225	18	8	168.3	170.5	174	20	18	18	6	4.5	14	140
200	320	280	18	8	219.1	221.5	226	22	20	20	6	6.3	16	190
250	375	335	18	12	273.0	276.5	281	24	22	22	8	6.3	18	235
300	440	395	22	12	323.9	327.5	333	24	22	22	8	7.1	18	285
350	490	445	22	12	355.6	359.5	365	26	22	22	8	7.1	18	330
400	540	495	22	16	406.4	411.0	416	28	22	22	8	7.1	20	380
450	595	550	22	16	457.0	462.0	467	30	22	24	8	7.1	20	425
500	645	600	22	20	508.0	513.5	519	30	24	24	8	7.1	22	475
600	755	705	26	20	610.0	616.5	622	32	30	30	8	7.1	22	575
700	860	810	26	24	711.0	To be specified by the purchaser	721	40	30	40	4	8	—	670
800	975	920	30	24	813.0		824	44	30	44	4	8	—	770
900	1075	1020	30	24	914.0		926	48	34	48	4	8	—	860
1000	1175	1120	30	28	1016.0		1028	52	38	52	4	8	—	960
1200	1405	1340	33	32	1219.0		1234	60	42	60	5	8.8	—	1160
1400	1630	1560	36	36	1422		—	72	56	68	—	8.8	—	1346
1600	1830	1760	36	40	1626		—	80	63	76	—	10	—	1546
1800	2045	1970	39	44	1829		—	88	69	84	—	11	—	1746
2000	2265	2180	42	48	2032	—	96	74	92	—	12.5	—	1950	

To be specified by the purchaser

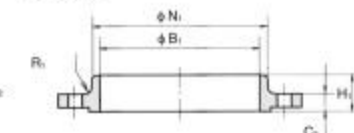
EN 1092-1:2007

DIMENSIONS OF PN6 FLANGES

TYPE 11



TYPE 12



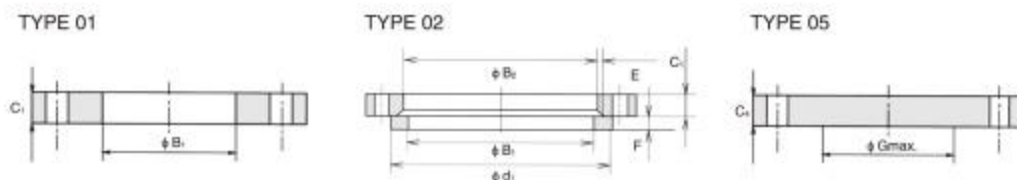
TYPE 13



DN	Raised face		Length			Neck diameters		Corner radii	APPROXIMATE WEIGHT				
	d ₁	t ₁	H ₁	H ₂	H ₃	N ₁	N ₂	R ₁					
	Flange type												
	01,05,11,12,13	12 13	11	11	11	12 13	11 12,13	Type01	Type02	Type05	Type11	Type12	
10	35	2	20	28	6	26	25	4	0.356	0.345	0.38	0.353	0.326
15	40	2	20	30	6	30	30	4	0.402	0.388	0.438	0.408	0.373
20	50	2	24	32	6	38	40	4	0.592	0.568	0.657	0.621	0.584
25	60	2	24	35	6	42	50	4	0.719	0.688	0.821	0.762	0.729
32	70	2	26	35	6	55	60	6	1.16	1.12	1.18	1.11	1.04
40	80	3	26	38	7	62	70	6	1.35	1.29	1.39	1.26	1.20
50	90	3	28	38	8	74	80	6	1.48	1.42	1.62	1.43	1.34
65	110	3	32	38	9	88	100	6	1.86	1.76	2.14	1.77	1.83
80	128	3	34	42	10	102	110	8	2.95	2.84	3.43	2.88	2.75
100	148	3	40	45	10	130	130	8	3.26	3.10	4.22	3.41	3.01
125	178	3	44	48	10	155	160	8	4.31	4.12	6.10	4.65	4.30
150	202	3	44	48	12	184	185	10	4.76	4.53	7.51	5.50	4.63
200	258	3	44	55	15	236	240	10	6.88	6.51	12.3	8.60	6.97
250	312	3	44	60	15	290	295	12	8.92	8.32	18.5	11.7	9.13
300	365	4	44	62	15	342	355	12	11.9	11.1	25.5	15.3	12.4
350	415	4	–	62	15	385	–	12	16.8	15.9	31.8	20.3	–
400	465	4	–	65	15	438	–	12	19.8	18.8	38.5	23.1	–
450	520	4	–	65	15	492	–	12	24.6	23.3	51.2	27.0	–
500	570	4	–	68	15	538	–	12	26.4	24.9	60.1	30.8	–
600	670	5	–	70	16	640	–	12	34.8	33.0	103	44.0	–
700	775	5	–	76	16	740	–	12	–	–	178	53.7	–
800	880	5	–	76	16	842	–	12	–	–	252	64.4	–
900	980	5	–	78	16	942	–	12	–	–	336	79.2	–
1000	1080	5	–	82	16	1045	–	16	–	–	435	96.6	–
1200	1295	5	–	104	20	1248	–	16	–	–	717	152	–
1400	1510	5	–	114	20	1452	–	16	–	–	1094	246	–
1600	1710	5	–	119	20	1655	–	16	–	–	1545	309	–
1800	1920	5	–	133	20	1855	–	16	–	–	2131	400	–
2000	2125	5	–	146	25	2058	–	16	–	–	2862	516	–

EN 1092-1:2007

DIMENSIONS OF PN10 FLANGES

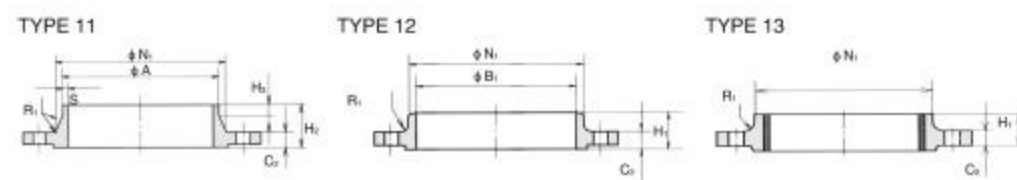


DN	Outside diameter	Diameter of bolt circle	Diameter of bolt hole	Bolt number	Outside diameter of neck A	Bore diameters		Flange thickness			Chamfer E	Wall thickness S	Collar Thickness F	Diameter of shoulder Gmax				
						B ₁	B ₂	C ₁	C ₂	C ₃								
						Flange type												
						01,02,05,11,12,13	11	01 12	02	01 02					11 12,13	05	02	11
10	90	60	14	4	17.2	18.0	21	14	16	16	3	2	12	—				
15	95	65	14	4	21.3	22.0	25	14	16	16	3	2	12	—				
20	105	75	14	4	26.9	27.5	31	16	18	18	4	2.3	14	—				
25	115	85	14	4	33.7	34.5	38	16	18	18	4	2.6	14	—				
32	140	100	18	4	42.4	43.5	47	18	18	18	5	2.6	14	—				
40	150	110	18	4	48.3	49.5	53	18	18	18	5	2.6	14	—				
50	165	125	18	4	60.3	61.5	65	20	18	18	5	2.9	16	—				
65	185	145	18	8	76.1	77.5	81	20	18	18	6	2.9	16	55				
80	200	160	18	8	88.9	90.5	94	20	20	20	6	3.2	16	70				
100	220	180	18	8	114.3	116.0	120	22	20	20	6	3.6	18	90				
125	250	210	18	8	139.7	141.5	145	22	22	22	6	4.0	18	115				
150	285	240	22	8	168.3	170.5	174	24	22	22	6	4.5	20	140				
200	340	295	22	8	219.1	221.5	226	24	24	24	6	6.3	20	190				
250	395	350	22	12	273.0	276.5	281	26	26	26	8	6.3	22	235				
300	445	400	22	12	323.9	327.5	333	26	26	26	8	7.1	22	285				
350	505	460	22	16	355.6	359.5	365	30	26	26	8	7.1	22	330				
400	565	515	26	16	406.4	411.0	416	32	26	26	8	7.1	24	380				
450	615	565	26	20	457.0	462.0	467	36	28	28	8	7.1	24	425				
500	670	620	26	20	508.0	513.5	519	38	28	28	8	7.1	26	475				
600	780	725	30	20	610.0	616.5	622	42	30	34	8	8.0	26	575				
700	895	840	30	24	711.0	To be specified by the purchaser	721	50	35	38	8	8.8	—	670				
800	1015	950	33	24	813.0		824	56	38	48	8	8.8	—	770				
900	1115	1050	33	28	914.0		926	62	38	50	8	12.5	—	860				
1000	1230	1160	36	28	1016.0		1028	70	44	54	8	12.5	—	960				
1200	1455	1380	39	32	1219.0		1234	83	55	66	8	12.5	—	1160				
1400	1675	1590	42	36	1422		—	—	65	—	—	14.2	—	—				
1600	1915	1820	48	40	1626		—	—	75	—	—	16	—	—				
1800	2115	2020	48	44	1829		—	—	85	—	—	17.5	—	—				
2000	2325	2230	48	48	2032		—	—	90	—	—	17.5	—	—				

To be specified by the purchaser

EN 1092-1:2007

DIMENSIONS OF PN10 FLANGES



DN	Raised face		Length			Neck diameters		Corner radii	APPROXIMATE WEIGHT				
	d ₁	t ₁	H ₁	H ₂	H ₃	N ₁	N ₂	R _c					
	Flange type												
	01,05,11,12,13	12 13	11	11	11	12 13	11 12,13	Type01	Type02	Type05	Type11	Type12	
10	40	2	22	35	6	28	30	4	0.604	0.591	0.722	0.678	0.646
15	45	2	22	38	6	32	35	4	0.670	0.654	0.813	0.768	0.722
20	58	2	26	40	6	40	45	4	0.936	0.909	1.14	1.09	1.04
25	68	2	28	40	6	46	52	4	1.11	1.08	1.38	1.30	1.25
32	78	2	30	42	6	56	60	6	1.82	1.77	2.03	1.91	1.81
40	88	3	32	45	7	64	70	6	2.08	2.02	2.35	2.15	2.06
50	102	3	28	45	8	74	84	6	2.73	2.52	2.88	2.53	2.39
65	122	3	32	45	10	92	104	6	3.16	3.05	3.51	3.03	2.97
80	138	3	34	50	10	105	118	6	3.79	3.48	4.61	3.92	3.78
100	158	3	40	52	12	131	140	8	4.39	4.20	5.65	4.62	4.38
125	188	3	44	55	12	156	168	8	5.41	5.21	6.83	6.30	6.07
150	212	3	44	55	12	184	195	10	7.14	6.89	10.5	7.81	7.24
200	268	3	44	62	16	234	246	10	9.27	8.87	16.5	11.6	10.1
250	320	3	46	68	16	292	298	12	11.8	11.2	24.1	15.8	12.8
300	370	4	46	68	16	342	350	12	13.6	12.8	30.8	18.3	14.5
350	430	4	53	68	16	385	400	12	20.4	19.4	39.6	25.3	22.7
400	482	4	57	72	16	440	456	12	27.5	26.4	49.4	30.6	28.0
450	532	4	63	72	16	488	502	12	33.6	32.2	63	35.1	32.3
500	585	4	67	75	16	542	559	12	40.2	38.5	75.2	40.5	38.7
600	685	5	75	82	18	642	658	12	54.5	52.2	124	52.9	48.9
700	800	5	—	85	18	746	—	12	—	79.4	183	75.8	—
800	905	5	—	96	18	850	—	12	—	112	297	102	—
900	1005	5	—	99	20	950	—	12	—	135	374	121	—
1000	1110	5	—	105	20	1052	—	16	—	180	492	161	—
1200	1330	5	—	132	25	1256	—	16	—	278	842	258	—
1400	1535	5	—	143	25	1460	—	16	—	—	—	371	—
1600	1760	5	—	159	25	1666	—	16	—	—	—	547	—
1800	1960	5	—	175	30	1868	—	16	—	—	—	691	—
2000	2170	5	—	186	30	2072	—	16	—	—	—	830	—

EN 1092-1:2007

DIMENSIONS OF PN16 FLANGES

TYPE 01



TYPE 02



TYPE 05



DN	Outside diameter	Diameter of bolt circle	Diameter of bolt hole	Bolt number	Outside diameter of neck A	Bore diameters		Flange thickness			Chamfer	Wall thickness	Collar Thickness	Diameter of shoulder Gmax
						B ₁	B ₂	C ₁	C ₂	C ₄				
						Flange type								
						01,02,05,11,12,13	11	01 12	02	01 02	11 12,13	05	02	11
10	90	60	14	4	17.2	18.0	21	14	16	16	3	2	12	—
15	95	65	14	4	21.3	22.0	25	14	16	16	3	2	12	—
20	105	75	14	4	26.9	27.5	31	16	18	18	4	2.3	14	—
25	115	85	14	4	33.7	34.5	38	16	18	18	4	2.6	14	—
32	140	100	18	4	42.4	43.5	47	18	18	18	5	2.6	14	—
40	150	110	18	4	48.3	49.5	53	18	18	18	5	2.6	14	—
50	165	125	18	4	60.3	61.5	65	20	18	18	5	2.9	16	—
65	185	145	18	8	76.1	77.5	81	20	18	18	6	2.9	16	55
80	200	160	18	8	88.9	90.5	94	20	20	20	6	3.2	16	70
100	220	180	18	8	114.3	116.0	120	22	20	20	6	3.6	18	90
125	250	210	18	8	139.7	141.5	145	22	22	22	6	4.0	18	115
150	285	240	22	8	168.3	170.5	174	24	22	22	6	4.5	20	140
200	340	295	22	12	219.1	221.5	226	26	24	24	6	6.3	20	190
250	405	355	26	12	273.0	276.5	281	29	26	26	8	6.3	22	235
300	460	410	26	12	323.9	327.5	333	32	28	28	8	7.1	24	285
350	520	470	26	16	355.6	359.5	365	35	30	30	8	8.0	26	330
400	580	525	30	16	406.4	411.0	416	38	32	32	8	8.0	28	380
450	640	585	30	20	457.0	462.0	467	42	34	40	8	8.8	30	425
500	715	650	33	20	508.0	513.5	519	46	36	44	8	8.8	32	475
600	840	770	36	20	610.0	616.5	622	55	40	54	8	10.0	32	575
700	910	840	36	24	711.0	To be specified by the purchaser	721	63	40	58	8	10.0	—	670
800	1025	950	39	24	813.0		824	74	41	62	8	12.5	—	770
900	1125	1050	39	28	914.0		926	82	48	64	8	12.5	—	860
1000	1255	1170	42	28	1016.0		1030	90	59	68	8	12.5	—	960
1200	1485	1390	48	32	1219		—	—	78	—	—	14.2	—	1160
1400	1685	1590	48	36	1422		—	—	84	—	—	16	—	1346
1600	1930	1820	56	40	1626		—	—	102	—	—	17.5	—	1546
1800	2130	2020	56	44	1829		—	—	110	—	—	20	—	1746
2000	2345	2230	62	48	2032		—	—	124	—	—	22	—	1950

To be specified by the purchaser

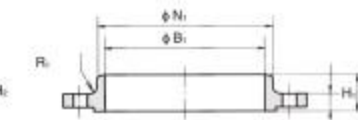
EN 1092-1:2007

DIMENSIONS OF PN16 FLANGES

TYPE 11



TYPE 12



TYPE 13

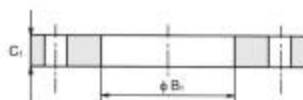


DN	Raised face		Length			Neck diameters		Corner radii	APPROXIMATE WEIGHT					
	d ₁	f ₁	H ₁	H ₂	H ₃	N ₁	N ₂	R ₁						
	Flange type													
	01,05,11,12,13	12 13	11	11	11	12 13	11 12,13	Type01	Type02	Type05	Type11	Type12		
10	40	2	22	35	6	28	30	4	0.604	0.591	0.722	0.678	0.646	
15	45	2	22	38	6	32	35	4	0.670	0.654	0.813	0.768	0.722	
20	58	2	26	40	6	40	45	4	0.936	0.909	1.14	1.09	1.04	
25	68	2	28	40	6	46	52	4	1.11	1.08	1.38	1.3	1.25	
32	78	2	30	42	6	56	60	6	1.82	1.77	2.03	1.91	1.81	
40	88	3	32	45	7	64	70	6	2.08	2.02	2.35	2.15	2.06	
50	102	3	38	45	8	74	84	6	2.73	2.52	2.88	2.53	2.39	
65	122	3	42	45	10	92	104	6	3.16	3.05	3.51	3.03	2.97	
80	136	3	44	50	10	105	118	6	3.79	3.48	4.61	3.92	3.78	
100	158	3	46	52	12	131	140	8	4.39	4.20	5.65	4.62	4.38	
125	188	3	48	55	12	156	168	8	5.41	5.21	8.13	6.30	6.07	
150	212	3	48	55	12	184	195	10	7.14	6.89	10.5	7.81	7.24	
200	268	3	48	62	16	235	246	10	9.73	9.31	16.2	11.5	9.8	
250	320	3	46	70	16	292	296	12	14.2	13.5	25.0	16.70	13.6	
300	378	4	46	78	16	344	350	12	19	18.0	35.1	22.1	17.2	
350	438	4	57	82	16	390	400	12	28.2	27.0	48.0	32.8	27.9	
400	490	4	63	85	16	445	456	12	35.9	34.6	63.5	41.1	35.7	
450	550	4	68	83	16	490	502	12	46.1	44.6	96.6	50.6	45.0	
500	610	4	73	84	16	548	559	12	64.0	62.0	133	66.2	60.4	
600	725	5	83	88	18	670	658	12	102	98.8	226	104	94	
700	795	5	83	104	18	755	760	12	—	107	285	96.5	—	
800	900	5	90	108	20	855	864	12	—	152	388	122	—	
900	1000	5	94	118	20	955	968	12	—	184	483	155	—	
1000	1115	5	100	137	22	1058	1072	16	—	257	640	233	—	
1200	1330	5	—	160	30	1262	—	16	—	—	—	390	—	
1400	1530	5	—	177	30	1465	—	16	—	—	—	495	—	
1600	1750	5	—	204	35	1668	—	16	—	—	—	760	—	
1800	1950	5	—	218	35	1870	—	16	—	—	—	929	—	
2000	2150	5	—	238	40	2072	—	16	—	—	—	1185	—	

EN 1092-1:2007

DIMENSIONS OF PN25 FLANGES

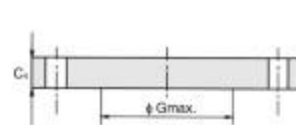
TYPE 01



TYPE 02



TYPE 05

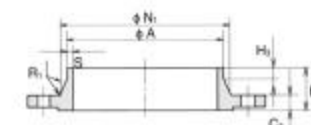


DN	Outside diameter	Diameter of bolt circle	Diameter of bolt hole	Bolt number	Outside diameter of neck A	Bore diameters		Flange thickness			Chamfer	Wall thickness	Collar Thickness	Diameter of shoulder Gmax
						B ₁	B ₂	C ₁	C ₂	C ₄				
						Flange type								
	01,02,05,11,12,13				11	01 12	02	01 02	11 12,13	05	02	11	32	05
10	90	60	14	4	17.2	18.0	21	14	16	16	3	2.0	12	-
15	95	65	14	4	21.3	22.0	25	14	16	16	3	2.0	12	-
20	105	75	14	4	26.9	27.5	31	16	18	18	4	2.3	14	-
25	115	85	14	4	33.7	34.5	38	16	18	18	4	2.6	14	-
32	140	100	18	4	42.4	43.5	47	18	18	18	5	2.6	14	-
40	150	110	18	4	48.3	49.5	53	18	18	18	5	2.6	14	-
50	165	125	18	4	60.3	61.5	65	20	20	20	5	2.9	16	-
65	185	145	18	8	76.1	77.5	81	22	22	22	6	2.9	16	55
80	200	160	18	8	88.9	90.5	94	24	24	24	6	3.2	18	70
100	235	190	22	8	114.3	116.0	120	26	24	24	6	3.6	20	90
125	270	220	26	8	139.7	141.5	145	28	26	26	6	4.0	22	115
150	300	250	26	8	168.3	170.5	174	30	28	28	6	4.5	24	140
200	360	310	26	12	219.1	221.5	226	32	30	30	6	6.3	26	190
250	425	370	30	12	273.0	276.5	281	36	32	32	8	7.1	26	235
300	485	430	30	16	323.9	327.5	333	38	34	34	8	8.0	28	285
350	555	490	33	16	355.6	359.5	365	42	38	38	8	8.0	32	332
400	620	550	36	16	406.4	411.0	416	48	40	40	8	8.8	34	380
450	670	600	36	20	457.0	462.0	467	54	46	50	8	8.8	36	425
500	730	660	36	20	508.0	513.5	519	58	48	51	8	10.0	38	475
600	845	770	39	20	610.0	616.5	622	68	48	66	8	12.5	40	575
700	960	875	42	24	711	-	721	85	50	-	8	14.2	-	-
800	1085	990	48	24	813	-	824	95	53	-	8	16	-	-
900	1185	1090	48	28	914	-	-	-	57	-	-	17.5	-	-
1000	1320	1210	56	28	1016	-	-	-	63	-	-	20	-	-

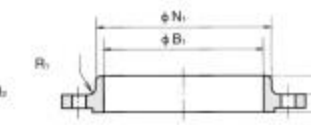
EN 1092-1:2007

DIMENSIONS OF PN25 FLANGES

TYPE 11



TYPE 12



TYPE 13



DN	Raised face		Length			Neck diameters		Corner radii	APPROXIMATE WEIGHT				
	d ₁	t ₁	H ₁	H ₂	H ₃	N ₁	N ₂	R ₁					
	Flange type												
	01,05,11,12,13	12 13	11	11	11	12 13	11 12,13	Type01	Type02	Type05	Type11	Type12	
10	40	2	22	35	6	28	30	4	0.604	0.591	0.722	0.678	0.646
15	45	2	22	38	6	32	35	4	0.670	0.654	0.813	0.768	0.722
20	58	2	26	40	6	40	45	4	0.936	0.909	1.14	1.09	1.04
25	68	2	28	40	6	46	52	4	1.11	1.06	1.38	1.3	1.25
32	78	2	30	42	6	56	60	6	1.82	1.77	2.03	1.91	1.81
40	88	3	32	45	7	64	70	6	2.08	2.02	2.35	2.15	2.06
50	102	3	34	48	8	75	84	6	2.73	2.65	3.20	2.85	2.74
65	122	3	38	52	10	90	104	6	3.48	3.36	4.29	3.68	3.65
80	138	3	40	58	12	106	118	8	4.32	4.18	5.54	4.78	4.59
100	162	3	44	65	12	134	145	8	6.07	5.87	7.60	6.46	6.1
125	188	3	48	68	12	162	170	8	8.19	7.95	10.8	8.86	8.22
150	218	3	52	75	12	192	200	10	10.3	9.97	14.6	11.7	10.6
200	278	3	52	80	16	244	256	10	14.3	13.8	22.5	17.1	14.9
250	335	3	60	88	18	296	310	12	20.1	19.4	33.5	24.3	20.9
300	395	4	67	92	18	352	364	12	26.6	25.5	46.3	31.8	27.3
350	450	4	72	100	20	396	418	12	41.8	40.5	68.1	48.8	45.1
400	505	4	78	110	20	452	472	12	57.6	56.1	89.7	63.3	57.7
450	555	4	84	110	20	500	520	12	69.8	67.8	130	76	69.6
500	615	4	90	125	20	558	580	12	87.0	84.6	159	97	87
600	720	5	100	125	20	660	684	12	127	124	278	121	111
700	820	5	—	129	20	760	—	12	—	—	—	155	—
800	930	5	—	138	22	864	—	12	—	—	—	205	—
900	1030	5	—	148	24	968	—	12	—	—	—	249	—
1000	1140	5	—	160	24	1070	—	16	—	—	—	338	—

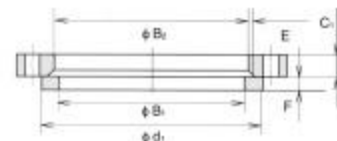
EN 1092-1:2007

DIMENSIONS OF PN40 FLANGES

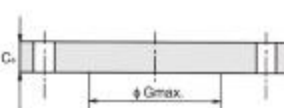
TYPE 01



TYPE 02



TYPE 05

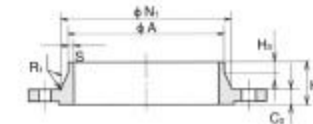


DN	Outside diameter	Diameter of bolt circle	Diameter of bolt hole	Bolt number	Outside diameter of neck A	Bore diameters		Flange thickness			Chamfer	Wall thickness	Collar Thickness	Diameter of shoulder Gmax
						B ₁	B ₂	C ₁	C ₂	C ₃				
						Flange type								
01,02,05,11,12,13					11	01 12	02	01 02	11 12,13	05	02	11	32	05
10	90	60	14	4	17.2	18.0	21	14	16	16	3	2.0	12	—
15	95	65	14	4	21.3	22.0	25	14	16	16	3	2.0	12	—
20	105	75	14	4	26.9	27.5	31	16	18	18	4	2.3	14	—
25	115	85	14	4	33.7	34.5	38	16	18	18	4	2.6	14	—
32	140	100	18	4	42.4	43.5	47	18	18	18	5	2.6	14	—
40	150	110	18	4	48.3	49.5	53	18	18	18	5	2.6	14	—
50	165	125	18	4	60.3	61.5	65	20	20	20	5	2.9	16	—
65	185	145	18	8	76.1	77.5	81	22	22	22	6	2.9	16	55
80	200	160	18	8	88.9	90.5	94	24	24	24	6	3.2	18	70
100	235	190	22	8	114.3	116.0	120	26	24	24	6	3.6	20	90
125	270	220	26	8	139.7	141.5	145	28	26	26	6	4.0	22	115
150	300	250	26	8	168.3	170.5	174	30	28	28	6	4.5	24	140
200	375	320	30	12	219.1	221.5	226	36	34	36	6	6.3	28	190
250	450	385	33	12	273.0	276.5	281	42	38	38	8	7.1	30	235
300	515	450	33	16	323.9	327.5	333	52	42	42	8	8.0	34	285
350	580	510	36	16	355.6	359.5	365	58	46	46	8	8.8	36	330
400	660	585	39	16	406.4	411.0	416	65	50	50	8	11.0	42	380
450	685	610	39	20	457.0	462.0	467	To be specified by the purchaser	57	57	8	12.5	46	425
500	755	670	42	20	508.0	513.5	519		57	57	8	14.2	50	475
600	890	795	48	20	610.0	616.5	622		72	72	8	16.0	54	575

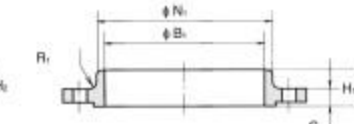
EN 1092-1:2007

DIMENSIONS OF PN40 FLANGES

TYPE 11



TYPE 12



TYPE 13



DN	Raised face		Length			Neck diameters		Corner radi	APPROXIMATE WEIGHT					
	d ₁	t ₁	H ₁	H ₂	H ₃	N ₁	N ₂	R ₁						
	Flange type													
	01,05,11,12,13		12 13	11	11	11	12 13	11 12,13	Type01	Type02	Type05	Type11	Type12	
10	40	2	22	35	6	28	30	4	0.604	0.591	0.722	0.678	0.646	
15	45	2	22	38	6	32	35	4	0.67	0.654	0.813	0.768	0.722	
20	58	2	26	40	6	40	45	4	0.936	0.909	1.14	1.09	1.04	
25	68	2	28	40	6	46	52	4	1.11	1.06	1.38	1.30	1.25	
32	78	2	30	42	6	56	60	6	1.82	1.77	2.03	1.91	1.81	
40	88	3	32	45	7	64	70	6	2.08	2.02	2.35	2.15	2.06	
50	102	3	34	48	8	75	84	6	2.73	2.65	3.20	2.85	2.74	
65	122	3	38	52	10	90	104	6	3.48	3.36	4.29	3.68	3.65	
80	138	3	40	58	12	105	118	8	4.32	4.18	5.54	4.78	4.59	
100	162	3	44	65	12	134	145	8	6.07	5.87	7.60	6.46	6.10	
125	188	3	48	68	12	162	170	8	8.19	7.95	10.8	8.86	8.22	
150	218	3	52	75	12	192	200	10	10.3	9.97	14.6	11.7	10.6	
200	285	3	52	88	16	244	260	10	17.9	17.4	28.8	21.0	18.3	
250	345	3	60	105	18	306	312	12	29.3	28.4	44.4	34.2	28.3	
300	410	4	67	115	18	362	380	12	45.1	43.6	64.2	47.6	40.4	
350	465	4	72	125	20	408	424	12	66.7	64.9	89.5	69.3	58.8	
400	535	4	78	135	20	462	478	12	97.1	95.1	127	98	82.1	
450	560	4	84	135	20	500	522	12	—	—	154	105	86.2	
500	615	4	90	140	20	562	576	12	—	—	188	130	105	
600	735	5	100	150	20	666	686	12	—	—	331	209	172	