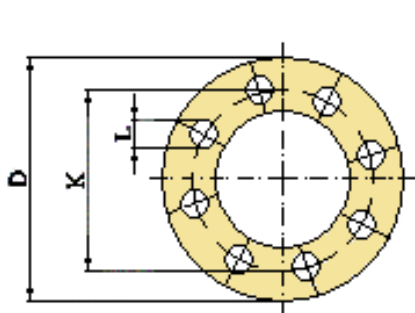


Flange Facing Dimensions EN 1092-1

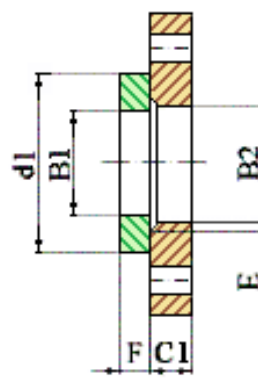
DN	d_1				f_1	f_2	f_3	f_4	w	x	y	z	$\alpha \approx$	R	
	PN 25	PN 40	PN 63	PN 100											
	mm	mm	mm	mm											
10	Use PN 100 dimensions				2	4,5	4,0	2,0	24	34	35	23	-	2,5	
15									45	29	39	40	28		-
20									58	36	50	51	35		41°
25									68	43	57	58	42		
32									78	51	65	66	50		
40									88	61	75	76	60		
50									102	73	87	88	72		
65									122	95	109	110	94		
80	138	106	120	121		105									
100	162	162	162	162		129	149	150	128						
125	188	188	188	188		155	175	176	154						
150	218	218	218	218		183	203	204	182						
200	278	285	285	285		239	259	260	238						
250	335	345	345	345		292	312	313	291						
300	395	410	410	410		343	363	364	342						
350	450	465	465	465	5,5	5,0	3,0	395	421	422	394	27°	3,5		
400	505	535	535	535				447	473	474	446				
450	555	560	560	560				497	523	524	496				
500	615	615	615	615				549	575	576	548				
600	720	735	735	-				649	675	676	648				
700	820	-	840	-				751	777	778	750				
800	930	-	960	-				856	882	883	855				
900	1030	-	1070	-				961	987	988	960				
1000	1140	-	1180	-	6,5	6,0	4,0	1062	1092	1094	1060	28°	4		
1200	1350	-	1380	-				1262	1292	1294	1260				
1400	1560	-	-	-				1462	1492	1494	1460				
1600	1780	-	-	-				1662	1692	1694	1660				
1800	1985	-	-	-				1862	1892	1894	1860				
2000	2210	-	-	-				2062	2092	2094	2060				

EN 1092-1 PN40 Flanges

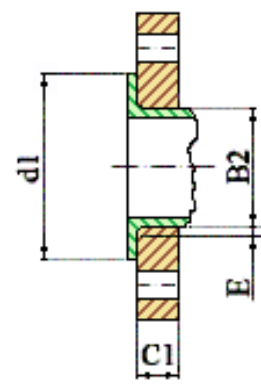
Flange type (typ) as in EN 1092-1	
01 (Plate [slip-on] flanges for welding)	13 (Hubbed threaded flanges)
02 (Loose plate flanges with weld-on plate collar)	21 (Integral flanges)
04 (Loose plate flanges with weld-neck collar)	32 (Weld-on plate collars)
05 (Blank [blind] flanges)	33 (Lapped pipe ends)
11 (Weld-neck flanges)	34 (Weld-neck collars)
12 (Hubbed slip-on flanges for welding)	



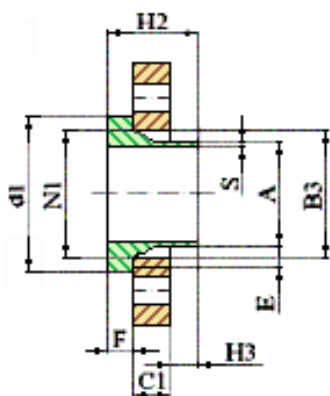
Typ 01



Typ 02 in 32



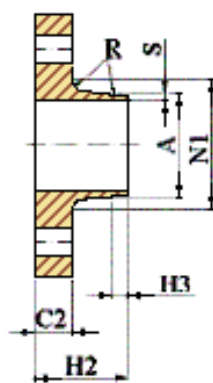
Typ 02 in 33



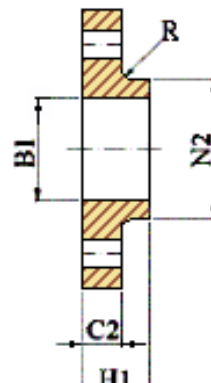
Typ 04 in 34



Typ 05



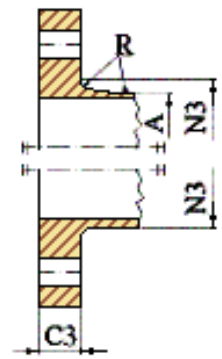
Typ 11



Typ 12



Typ 13



Typ 21

EN 1092-1 PN40 Flanges

Nominal diameter DN	Mating dimensions					Outside diameter of neck	Bore diameters			Flange thickness				Chamfer	Collar thickness	Diameter of shoulders	Length			Neck diameters			Corner radius	Neck thickness (preferred value)											
	Outside diameter	Diameter of bolt circle	Diameter of bolt hole	Bolting																															
							D	K	L	No	Size	A	B1				B2	B3	C1	C2	C3	C4			E	F	G _{max}	H1	H2	H3	N1	N2	N3	R	S
							Flange Type																												
	01, 02, 05, 11, 12, 13, 21					11 21* 34	01 12 32	02	04	01 02 04	11 12 13	21	05	02 04	32 34	05	12 13	11 34	11 34	11 34	12 13	21	11 12 13 21	11 34											
10	90	60	14	4	M12	17,2	18,0	21	31	14	16	16	3	12	-	22	35	6	28	30	28	4	1,8												
15	95	65	14	4	M12	21,3	22,0	25	35	14	16	16	3	12	-	22	38	6	32	35	32	4	2,0												
20	105	75	14	4	M12	26,9	27,5	31	42	16	18	18	4	14	-	26	40	6	40	45	40	4	2,3												
25	115	85	14	4	M12	33,7	34,5	38	49	16	18	18	4	14	-	28	40	6	46	52	52	4	2,6												
32	140	100	18	4	M16	42,4	43,5	47	59	18	18	18	5	14	-	30	42	6	56	60	60	6	2,6												
40	150	110	18	4	M16	48,3	49,5	53	67	18	18	18	5	14	-	32	45	7	64	70	70	6	2,6												
50	165	125	18	4	M16	60,3	61,5	65	77	20	20	20	5	16	-	34	48	8	75	84	84	6	2,9												
65	185	145	18	8	M16	76,1	77,5	81	96	22	22	22	6	16	55	38	52	10	90	104	104	6	2,9												
80	200	160	18	8	M16	88,9	90,5	94	114	24	24	24	6	18	70	40	58	12	105	118	120	8	3,2												
100	235	190	22	8	M20	114,3	116,0	120	138	26	24	24	6	20	90	44	65	12	134	145	142	8	3,6												
125	270	220	26	8	M24	139,7	141,5	145	166	28	26	26	6	22	115	48	68	12	162	170	162	8	4,0												
150	300	250	26	8	M24	168,3	170,5	174	194	30	28	28	6	24	140	52	75	12	192	200	192	10	4,5												
200	375	320	30	12	M27	219,1	221,5	226	250	36	34	36	6	28	190	52	88	16	244	260	254	10	6,3												
250	450	385	33	12	M30	273,0	276,5	281	312	42	38	38	8	30	235	60	105	18	306	312	312	12	7,1												
300	515	450	33	16	M30	323,9	327,5	333	368	48	42	42	8	34	285	67	115	18	362	380	378	12	8,0												
350	580	510	36	16	M33	355,6	359,5	365	418	54	46	46	8	36	330	72	125	20	408	424	432	12	8,8												
400	660	585	39	16	M36	406,4	411,0	416	472	60	50	50	8	42	380	78	135	20	462	478	498	12	11,0												
450	685	610	39	20	M36	457,0	462,0	467	510	66	57	57	8	46	425	84	135	20	500	522	522	12	12,5												
500	755	670	42	20	M39	508,0	513,5	519	572	72	57	57	8	50	475	90	140	20	562	576	576	12	14,2												
600	890	795	48	20	M45	610,0	616,5	622	676	84	72	72	8	54	575	100	150	20	666	686	686	12	16,0												

Note 1: Dimensions N1, N2 and N3 are measured at the intersection of the hub draft angle and the back face of the flange.

Note 2: For d1 dimensions see document "Flange Facing Dimensions EN 1092-1".