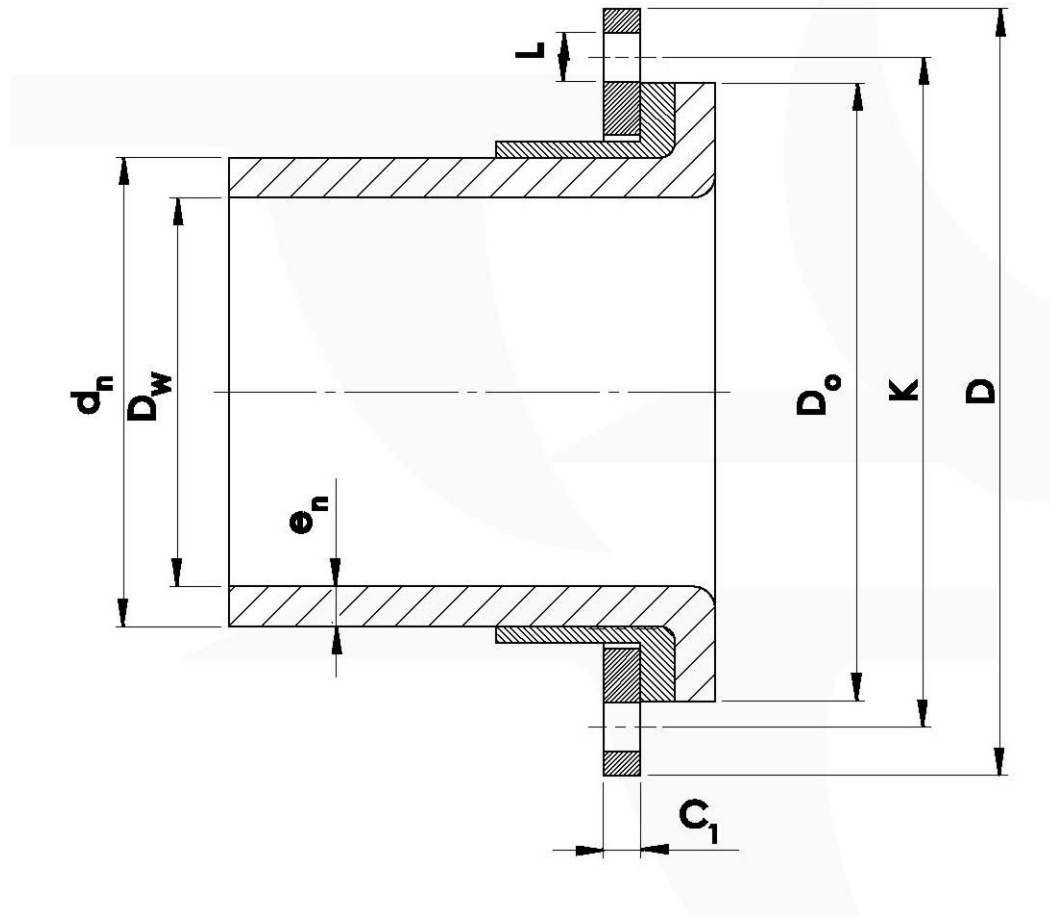


ASFR HDPE Standard Flange Sizes



d_n - nominal outer diameter of the pipe,

e_n - nominal wall thickness of the pipe

D_w - inner diameter of the pipe,

D_o - pipe flange diameter,

D - outer diameter of the free pipe flange,

K - pitch diameter of the free flange holes,

L - hole diameter,

C_{1min} - minimum thickness of the free flange with guaranteed flange connection strength,

C_1 - thickness of the free flange acc. to PN-EN 1092-1+A1:2013-07E.

	DN (steel pipe)	DN (DN/OD) (SPE pipe)	d _n [mm]	D _w [mm]	D _o [mm]	D [mm]	K [mm]	L [mm]	C _{1min} /C ₁ [mm]	L1min / L1	Bolts, number x size
PN 2,5 PN 6,3	80	90	90	79,0	130	190	150	18	10/18	90/100	4 x M16
	100	110	110	98,0	150	210	170	18	10/18	90/100	4 x M16
		125	125	113,0	150	210	170	18	10/18	90/100	4 x M16
	125	140	140	128,0	180	240	200	18	12/20	100/110	8 x M16
	150	160	160	147,0	205	265	225	18	12/20	100/110	8 x M16
		N 180	174	160,0	205	265	225	18	12/20	100/110	8 x M16
		180	180	164,0	205	265	225	18	14/20	100/120	8 x M16
	200	200	200	184,0	260	320	280	18	14/22	110/120	8 x M16
		N 225	220	200,0	260	320	280	18	14/22	110/130	8 x M16
		225	225	205,0	260	320	280	18	14/22	120/130	8 x M16
	250	250	250	230,0	315	375	335	18	14/24	120/140	12 x M16
		N 280	272	250,0	315	375	335	18	14/24	120/140	12 x M16
		280	280	258,0	315	375	335	18	14/24	120/140	12 x M16
	300	315	315	292,0	371	440	395	22	14/24	130/150	12 x M20
		N 315	338	315,0	371	440	395	22	14/24	130/150	12 x M20
	350	355	355	331,0	421	490	445	22	16/26	130/150	12 x M20
PN 8, PN 10	400	400	400	376,0	471	540	495	22	16/28	130/150	16 x M20
		N 400	420	396,0	471	540	495	22	16/28	130/150	16 x M20
	500	500	506	470,0	608	645	600	22	30	210/220	20 x M20
	80	90	90	76,0	138	200	160	18	12/20	90/110	8 x M16
	100	110	110	95,0	158	220	180	18	12/22	90/110	8 x M16
		125	125	107,0	158	220	180	18	12/22	100/120	8 x M16
	125	140	140	118,0	188	250	210	18	12/22	110/130	8 x M16
	150	160	160	133,4	216	285	240	22	12/24	110/140	8 x M20
		N 180	174	147,0	216	285	240	22	14/24	120/140	8 x M20
		180	180	153,0	216	285	240	22	14/24	120/140	8 x M20
	200	200	200	173,0	268	340	295	22	16/24	130/140	8 x M20
		N 225	220	192,0	268	340	295	22	16/24	130/140	8 x M20
		225	225	197,0	268	340	295	22	16/24	130/150	8 x M20
	250	250	250	221,0	320	395	350	22	16/26	130/150	12 x M20
		N 280	272	240,0	320	395	350	22	18/26	140/150	12 x M20
		280	280	246,0	320	395	350	22	18/26	140/160	12 x M20
	300	315	315	280,0	370	445	400	22	18/26	150/160	16 x M20
	350	355	355	316,0	430	505	460	22	20/28	150/170	16 x M24
PN 16	400	400	400	360,0	482	565	515	26	20/32	160/180	16 x M24
		N 400	420	375,0	482	565	515	26	20/32	160/190	16 x M24
		500	500	506	470,0	608	670	26	36/38	190/200	20 x M24
	80	90	90	76,0	138	200	160	18	14/20	100/110	8 x M16
	100	110	110	95,0	158	220	180	18	14/22	100/120	8 x M16
		125	125	107,0	158	220	180	18	14/22	100/120	8 x M16
	125	140	140	118,0	188	250	210	18	16/22	110/120	8 x M16
	150	160	160	133,4	216	285	240	22	16/24	120/140	8 x M20
		N 180	174	147,0	216	285	240	22	18/24	130/140	8 x M20
		180	180	153,0	216	285	240	22	18/24	130/140	8 x M20
	200	200	200	173,0	268	340	295	22	18/26	130/150	12 x M20
		N 225	220	192,0	268	340	295	22	18/26	130/150	12 x M20
		225	225	197,0	268	340	295	22	18/26	130/150	12 x M20
	250	250	250	221,0	320	405	355	26	18/29	140/160	12 x M24
		N 280	272	240,0	327	405	355	26	20/29	150/170	12 x M24
		280	280	246,0	327	405	355	26	20/29	150/170	12 x M24
	300	315	315	280,0	370	460	410	26	20/32	160/180	12 x M24
	350	355	355	316,0	430	520	470	26	24/35	170/190	16 x M24
	400	400	400	360,0	482	580	525	30	25/38	190/220	16 x M27
		N 400	420	375,2	482	580	525	30	25/38	190/220	16 x M27
	500	500	510	470,0	608	715	650	33	40/46	220/250	20 x M30

	DN (steel pipe)	DN (DN/OD) (SPE pipe)	d _n [mm]	D _w [mm]	D _o [mm]	D [mm]	K [mm]	L [mm]	C _{1min} /C ₁ [mm]	L1min / L1	Bolts, number x size
PN 25	80	90	90	74,0	138	200	160	18	16/24	100/120	8 x M16
	100	110	110	88,0	166	235	190	22	16/26	110/130	8 x M20
		125	125	102,0	166	235	190	22	16/26	110/130	8 x M20
	125	140	140	116,0	188	270	220	26	18/28	120/140	8 x M24
	150	160	160	133,0	222	300	250	26	18/30	130/150	8 x M24
		^N 180	174	147,0	222	300	250	26	18/30	130/150	8 x M24
		180	180	152,0	222	300	250	26	20/30	130/150	8 x M24
	200	200	200	171,0	282	360	310	26	20/32	140/160	12 x M24
		^N 225	220	190,0	282	360	310	26	20/32	140/160	12 x M24
		225	225	195,0	282	360	310	26	20/32	140/160	12 x M24
	250	250	250	219,0	338	425	370	30	22/35	150/180	12 x M27
		^N 280	272	237,0	338	425	370	30	24/35	160/180	12 x M27
		280	280	245,0	338	425	370	30	24/35	160/180	12 x M27
	300	315	315	276,0	395	485	430	30	25/38	170/200	16 x M27
PN 40	350	^S 355	355	291,0	448	555	490	33	29/42	200/230	16 x M30
	400	^S 400	400	320,0	510	620	550	36	30/46	230/160	16 x M33
	500	500	515	470,0	608	730	660	36	40/58	220/250	20 x M33
	80	90	90	72,0	138	200	160	18	18/24	110/120	8 x M16
	100	110	110	86,6	166	235	190	22	18/26	120/130	8 x M20
		125	125	98,0	166	235	190	22	18/26	120/140	8 x M20
	125	140	140	111,0	188	270	220	26	20/28	130/150	8 x M24
	150	160	160	129,0	222	300	250	26	20/30	140/160	8 x M24
		^N 180	174	140,0	222	300	250	26	23/30	150/160	8 x M24
		180	180	146,0	222	300	250	26	23/30	150/160	8 x M24
	200	200	200	161,0	288	375	320	30	25/36	160/190	12 x M27
		^N 225	220	180,0	288	375	320	30	25/36	160/190	12 x M27
		225	225	185,0	288	375	320	30	25/36	160/190	12 x M27
	250	250	250	204,0	345	450	385	33	25/42	170/210	12 x M30
		^{NS} 280	272	224,0	345	450	385	33	25/42	170/210	12 x M30
		^S 280	280	230,0	345	450	385	33	25/42	170/210	12 x M30
PN 63	300	^S 315	315	259,0	395	515	450	33	25/48	180/230	16 x M30
		^{NS} 315	338	274,0	395	515	450	33	25/48	190/240	16 x M30
	100	110	110	83,0	172	250	200	26	18/32	140/170	8 x M24
		125	125	95,0	172	250	200	26	18/32	140/170	8 x M24
	150	160	160	124,0	245	345	280	33	18/36	150/190	8 x M30
		180	180	150,0	222	345	280	33	23/36	170/190	8 x M30
	185	^N 225	230	185,0	308	415	345	36	26/48	170/220	12 x M33
	200	225	225	185,0	288	415	345	36	26/48	170/220	12 x M33