



Class 150

Diameter (inches)	DN	Handle type	A	Thickness s "t"	C	D	E	Unit weight
1/2"	15	I	45	5	100	-	24	0,3
3/4"	20	I	54	5	100	-	30	0,4
1"	25	I	64	5	100	-	34	0,4
1.1/2"	40	I	83	5	100	-	40	0,6
2"	50	II	102	6	100	20	50	0,8
3"	80	II	133	8	105	20	50	1,4
4"	100	II	171	9	105	20	50	2,2
6"	150	II	219	12	105	22	56	4,4
8"	200	II	276	15	110	22	56	8,1
10"	250	II	337	18	110	26	66	14,0
12"	300	II	406	21	115	26	66	22,9
14"	350	III	448	23	150	-	80	30,7
16"	400	III	511	25	150	-	80	42,7
18"	450	III	546	28	150	-	80	54,1
20"	500	III	603	31	155	-	80	72,5
24"	600	III	714	37	160	-	80	120,3
30"	750	III	879	41	160	-	100	201,2
36"	900	III	1045	48	170	-	100	331,5
42"	1050	III	1216	56	170	-	100	522,4
48"	1200	III	1381	63	175	-	100	757,0

Class 900

Diameter (inches)	DN	Handle type	A	Thickness s "t"	C	D	E	Unit weight
1/2"	15	I	60	5	105	-	24	0,3
3/4"	20	I	67	6	110	-	30	0,5
1"	25	I	76	7	115	-	34	0,6
1.1/2"	40	I	96	10	120	-	40	1,1
2"	50	II	140	13	115	26	66	2,6
3"	80	II	165	17	115	26	66	4,1
4"	100	II	203	21	125	33	80	7,0
6"	150	II	286	29	125	33	80	16,5
8"	200	III	356	37	165	-	80	31,3
10"	250	III	432	46	165	-	80	55,8
12"	300	III	495	54	165	-	80	85,0
14"	350	III	518	59	170	-	80	101,3
16"	400	III	572	66	175	-	80	137,6
18"	450	III	635	75	185	-	80	192,0
20"	500	III	695	83	190	-	80	253,9
24"	600	III	835	99	210	-	80	435,8
30"	750	III	1007	115	220	-	80	734,8
36"	900	III	1197	135	240	-	80	1217
42"	1050	III	1299	156	260	-	80	1655
48"	1200	III	1483	178	280	-	100	2462

NOTES:

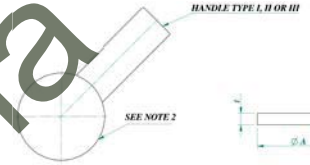
- 1) Dimensions in mm.
- 2) Material as per purchase order.
- 3) One side of the handle shall be marked with:
 - the word "spacer"
 - the nominal size (mm)
 - the material standard and grade.
 The opposite side of the handle shall be marked with:
 - the charge or heat number of the base material
 - the type of heat treatment
 - the manufacturer symbol.
- 4) plate- thickness 0,7 t: however min 3 mm and max 12 mm. The handle may be made integral with the spade, if t= max. 6 mm.
- 5) Thickness calculations based on ASME B31.3 Section 304.5.3
- 6) Do not drill a hole because a hole would indicate a spacer rather than a spade. (ASME B16.48 Section 7)
- 7) 1 mm corrosion allowance is included on both sides.

Class 300

Diameter (inches)	DN	Handle type	A	Thickness s "t"	C	D	E	Unit weight
1/2"	15	I	51	5	100	-	24	0,3
3/4"	20	I	64	5	105	-	30	0,4
1"	25	I	70	5	105	-	34	0,5
1.1/2"	40	I	92	7	110	-	40	0,8
2"	50	II	108	8	105	20	50	1,1
3"	80	II	146	11	110	22	56	2,2
4"	100	II	178	13	115	22	56	3,4
6"	150	II	247	18	115	22	56	7,9
8"	200	III	305	23	115	26	66	14,6
10"	250	III	359	27	120	30	76	23,3
12"	300	III	419	32	155	-	80	37,1
14"	350	III	483	35	155	-	80	53,0
16"	400	III	536	39	165	-	80	72,2
18"	450	III	594	44	170	-	80	99,4
20"	500	III	651	49	170	-	80	132,3
24"	600	III	772	58	180	-	80	219,1
30"	750	III	949	67	180	-	100	381,4
36"	900	III	1115	79	190	-	100	619,4
42"	1050	III	1162	91	190	-	100	774,2
48"	1200	III	1321	104	190	-	100	1142

Class 1500

Diameter (inches)	DN	Handle type	A	Thickness s "t"	C	D	E	Unit weight
1/2"	15	I	60	6	105	-	24	0,4
3/4"	20	I	67	8	110	-	30	0,6
1"	25	I	76	9	115	-	34	0,8
1.1/2"	40	I	96	13	120	-	40	1,4
2"	50	II	140	16	115	26	66	3,1
3"	80	II	171	21	125	33	80	5,5
4"	100	II	206	27	130	36	80	7,2
6"	150	II	279	37	135	39	80	18,1
8"	200	III	349	47	175	-	80	37,9
10"	250	III	432	58	185	-	80	70,1
12"	300	III	518	69	185	-	80	118,3
14"	350	III	575	75	195	-	80	157,9
16"	400	III	638	85	200	-	90	219,8
18"	450	III	702	96	215	-	100	300,0
20"	500	III	753	106	225	-	100	380,5
24"	600	III	899	127	245	-	115	648,4
30"								
36"								
42"								
48"								



Class 600

Diameter (inches)	DN	Handle type	A	Thickness s "t"	C	D	E	Unit weight
1/2"	15	I	51	5	100	-	24	0,3
3/4"	20	I	64	6	105	-	30	0,4
1"	25	I	70	7	105	-	34	0,6
1.1/2"	40	I	92	9	110	-	40	1,0
2"	50	II	108	11	105	20	50	1,5
3"	80	II	146	15	110	22	56	2,9
4"	100	II	191	18	120	26	66	5,4
6"	150	II	264	24	125	30	76	12,0
8"	200	III	318	31	130	33	80	21,3
10"	250	III	397	38	165	-	80	39,5
12"	300	III	454	44	165	-	80	58,8
14"	350	III	489	48	165	-	80	74,0
16"	400	III	562	55	170	-	80	111,0
18"	450	III	610	61	175	-	80	144,5
20"	500	III	680	68	175	-	80	199,4
24"	600	III	787	81	185	-	100	317,6
30"	750	III	968	94	190	-	100	555,8
36"	900	III	1127	111	190	-	100	888,0
42"	1050	III	1216	128	195	-	115	1191
48"	1200	III	1387	146	195	-	115	1766

Class 2500

Diameter (inches)	DN	Handle type	A	Thickness s "t"	C	D	E	Unit weight
1/2"	15	I	67	7	110	-	24	0,5
3/4"	20	I	73	9	110	-	30	0,7
1"	25	I	83	11	115	-	34	1,0
1.1/2"	40	I	114	15	120	-	50	2,1
2"	50	II	143	18	125	30	75	2,3
3"	80	II	194	26	130	36	80	6,1
4"	100	II	232	33	140	42	85	11,2
6"	150	III	314	47	190	-	80	31,2
8"	200	III	384	58	190	-	80	55,8
10"	250	III	473	72	210	-	90	103,8
12"	300	III	546	86	215	-	100	164,0
14"								
16"								
18"								
20"								
24"								
30"								
36"								
42"								
48"								

