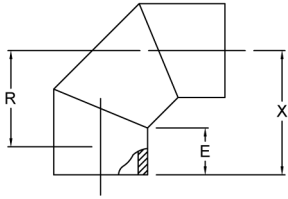


Fabricated Elbows

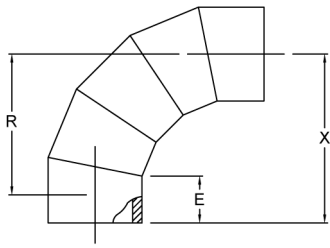
IPS 3-Segment 90 Elbow (1/4 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7		SDR 9	
					WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
4		6.8	10.9	6.0	220	7	160	6
6		10.0	13.2	6.0	220	16	160	13
8		10.7	14.6	6.5	220	29	160	23
10		13.5	16.6	6.5	220	51	160	42
12		16.0	20.0	8.0	220	84	160	68
14		14.5	19.4	8.0	220	99	160	80
16		16.8	21.2	8.0	220	138	160	112
18		18.4	22.5	8.0	220	184	160	150
20		20.4	24.1	8.0	220	241	160	196
22		22.4	25.7	8.0	220	308	160	251
24		24.5	27.3	8.0	220	394	160	320
26		26.5	30.9	10.0			160	421
28		28.5	32.5	10.0			160	509
30		30.5	34.1	10.0				
32		38.0	38.9	10.0				
34		41.0	41.0	10.0				
36		43.0	42.6	10.0				
42		50.0	54.0	16.0				
48		58.0	59.9	16.0				
54		64.0	64.7	16.0				

Size [inch]	SDR 11		SDR 17		SDR 21		SDR 26		SDR 32.5	
	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
4	130	5	85	5						
6	130	11	85	11						
8	130	20	85	14						
10	130	34	85	24						
12	130	57	85	39						
14	130	66	85	45						
16	130	93	85	63						
18	130	126	85	85						
20	130	162	85	111						
22	130	209	85	141						
24	130	267	85	181						
26	130	354	85	239						
28	130	427	85	283						
30	130	510	85	345						
32	130	738	85	496						
34	130	871	85	585						
36	130	1019	85	686						
42			85	10	65	856				
48					65	1208	50	984		
54							50	1401	45	1126

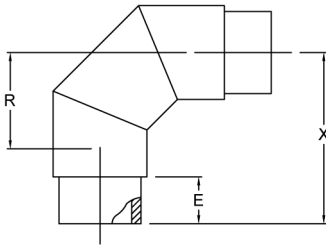
IPS 5-Segment 90 Elbow (1/4 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7		SDR 9	
					WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
2		12.7	14.4	4.0	250	2	200	2
3		13.2	15.0	4.0	250	5	200	4
4		13.7	15.5	4.0	250	9	200	8
6		14.7	18.5	6.0	250	22	200	18
8		16.0	20.2	6.5	250	40	200	32
10		17.0	21.2	6.5	250	64	200	53
12		19.1	24.6	8.0	250	103	200	84
14		21.0	26.2	8.0	250	132	200	106
16		24.0	28.8	8.0	250	185	200	151
18		27.0	31.4	8.0	250	254	200	207
20		30.0	34.0	8.0	250	335	200	270
22		33.0	36.6	8.0	250	430	200	347
24		36.0	39.2	8.0	250	538	200	437
26		48.0	51.0	10.0			200	517
28		49.0	52.0	10.0			200	699
30		52.0	54.6	10.0				
32		54.0	56.4	10.0				
34		55.0	57.4	10.0				
36		58.0	60.0	10.0				
42		63.0	70.7	16.0				
48		72.0	78.4	16.0				
54		81.0	86.3	16.0				

Size [inch]	SDR 11		SDR 17		SDR 21		SDR 26		SDR 32.5	
	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
2	160	1.5	105	1.5						
3	160	4	105	4						
4	160	7	105	7						
6	160	15	105	15						
8	160	27	105	19						
10	160	43	105	30						
12	160	72	105	46						
14	160	88	105	60						
16	160	125	105	84						
18	160	174	105	118						
20	160	225	105	153						
22	160	292	105	196						
24	160	364	105	247						
26	160	485	105	328						
28	160	587	105	390						
30	160	714	105	483						
32	160	847	105	570						
34	160	996	105	668						
36	160	1176	105	792						
42			105	1215	80	990				
48					80	1402	65	1140		
54							65	1788	50	1436

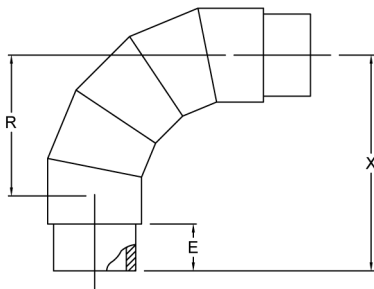
IPS 3-Segment 90 Elbow (1/4 Bend)



- Reinforced
- Fully Pressure Rated with Full Flow ID

Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7 WPR [psi]	SDR 9 WPR [psi]	SDR 11 WPR [psi]	SDR 17 WPR [psi]	SDR 21 WPR [psi]
4		10.0	19.2	6.0	335	250	200	130	
6		10.7	20.6	6.0	335	250	200	130	
8		13.5	23.1	6.5	335	250	200	130	
10		16.0	26.5	6.5	335	250	200	130	
12		14.5	27.4	8.0	335	250	200	130	
14		16.8	29.2	8.0	335	250	200	130	
16		18.4	30.5	8.0	335	250	200	130	
18		20.4	32.1	8.0	335	250	200	130	
20		22.4	33.7	8.0	335	250	200	130	
22		24.5	35.3	8.0	335	250	200	130	
24		26.5	38.9	8.0	335	250	200	130	
30		38.4	48.9	10.0		250	200	130	
36		45.6	64.6	10.0			200	130	100

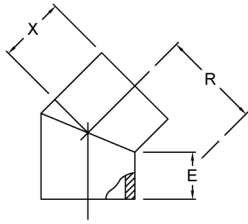
IPS 5-Segment 90 Elbow (1/4 Bend)



- Reinforced
- Fully Pressure Rated with Full Flow ID

Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7 WPR [psi]	SDR 9 WPR [psi]	SDR 11 WPR [psi]	SDR 17 WPR [psi]
4		14.7	22.5	4.0	335		200	130
6		16.0	26.2	6.0	335	250	200	130
8		17.0	27.7	6.5	335	250	200	130
10		19.1	31.1	6.5	335	250	200	130
12		21.0	34.2	8.0	335	250	200	130
14		24.0	36.8	8.0	335	250	200	130
16		27.0	39.4	8.0	335	250	200	130
18		30.0	42.0	8.0	335	250	200	130
20		33.0	44.6	8.0	335	250	200	130
22		36.0	47.2	8.0	335	250	200	130
24		48.0	59.0	8.0	335	250	200	130
26		49.0	62.0	10.0		250	200	130
28		52.0	64.6	10.0		250	200	130
30		54.0	66.4	10.0		250	200	130
36		57.0	69.4	10.0		250	200	130

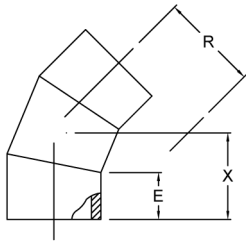
IPS 2-Segment 45 Elbow (1/8 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7		SDR 9	
					WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
4		6.8	6.9	6.0	220	3.5	160	3
6		10.0	7.4	6.0	220	8	160	7
8		10.7	8.3	6.5	220	19	160	15
10		13.5	8.7	6.5	220	31	160	26
12		16.0	10.6	8.0	220	52	160	42
14		14.5	10.9	8.0	220	66	160	53
16		16.8	11.3	8.0	220	86	160	70
18		18.4	11.7	8.0	220	114	160	93
20		20.4	12.1	8.0	220	148	160	119
22		22.4	12.6	8.0	220	178	160	144
24		24.5	13.0	8.0	220	221	160	180
26		26.5	15.4	10.0			160	247
28		28.5	15.8	10.0			160	297
30		30.5	16.2	10.0				
32		38.0	16.6	10.0				
34		41.0	17.0	10.0				
36		43.0	17.5	10.0				
42		50.0	24.7	16.0				
48		58.0	25.9	16.0				
54		64.0	27.2	16.0				

Size [inch]	SDR 11		SDR 17		SDR 21		SDR 26		SDR 32.5	
	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
4	130	2.5	85	2.5						
6	130	6	85	6						
8	130	13	85	9						
10	130	21	85	15						
12	130	35	85	24						
14	130	44	85	30						
16	130	58	85	39						
18	130	79	85	53						
20	130	99	85	67						
22	130	121	85	82						
24	130	151	85	101						
26	130	208	85	141						
28	130	249	85	165						
30	130	286	85	193						
32	130	331	85	224						
34	130	383	85	257						
36	130	441	85	296						
42			85	432	65	352				
48					65	478	50	389		
54							50	538	45	432

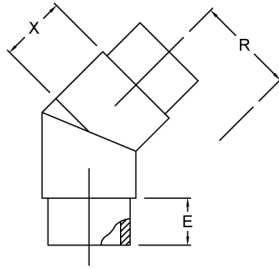
IPS 3-Segment 45 Elbow (1/8 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7		SDR 9	
					WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
2		12.7	6.6	4.0	250	1.5	200	1
3		13.2	6.8	4.0	250	3	200	2
4		13.7	7.0	4.0	250	6	200	5
6		14.7	9.4	6.0	250	11	200	11
8		16.0	10.3	6.5	250	24	200	19
10		17.0	10.7	6.5	250	39	200	32
12		19.1	12.8	8.0	250	62	200	51
14		21.0	13.2	8.0	250	79	200	64
16		24.0	14.0	8.0	250	112	200	91
18		27.0	14.7	8.0	250	146	200	119
20		30.0	15.5	8.0	250	187	200	151
22		33.0	16.3	8.0	250	243	200	197
24		36.0	17.0	8.0	250	298	200	244
26		48.0	21.4	10.0			200	330
28		49.0	21.8	10.0			200	393
30		52.0	22.5	10.0				
32		54.0	23.1	10.0				
34		55.0	23.5	10.0				
36		58.0	24.2	10.0				
42		63.0	31.7	16.0				
48		72.0	34.0	16.0				
54		81.0	36.2	16.0				

Size [inch]	SDR 11		SDR 17		SDR 21		SDR 26		SDR 32.5	
	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
2	160	1	105	1						
3	160	2	105	2						
4	160	4	105	4						
6	160	9	105	9						
8	160	16	105	12						
10	160	26	105	18						
12	160	43	105	29						
14	160	53	105	36						
16	160	76	105	51						
18	160	101	105	68						
20	160	126	105	86						
22	160	165	105	111						
24	160	202	105	137						
26	160	277	105	187						
28	160	329	105	218						
30	160	388	105	262						
32	160	464	105	312						
34	160	537	105	361						
36	160	618	105	416						
42			105	621	80	506				
48					80	700	65	570		
54							65	954	50	766

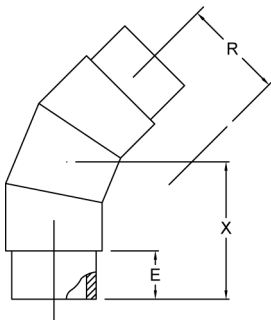
IPS 2-Segment 45 Elbow (1/8 Bend)



- Reinforced
- Fully Pressure Rated with Full Flow ID

Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7	SDR 9	SDR 11	SDR 17	SDR 21
					WPR [psi]	WPR [psi]	WPR [psi]	WPR [psi]	WPR [psi]
4		10.0	13.4	6.0	335	250	200	130	
6		10.7	14.3	6.0	335	250	200	130	
8		13.5	15.2	6.5	335	250	200	130	
10		16.0	17.1	6.5	335	250	200	130	
12		14.5	18.9	8.0	335	250	200	130	
14		16.8	19.3	8.0	335	250	200	130	
16		18.4	19.7	8.0	335	250	200	130	
18		20.4	20.1	8.0	335	250	200	130	
20		22.4	20.6	8.0	335	250	200	130	
22		24.5	21.0	8.0	335	250	200	130	
24		26.5	23.4	8.0	335	250	200	130	
30		38.4	26.6	10.0		250	200	130	
36		45.6	27.9	10.0			200	130	100

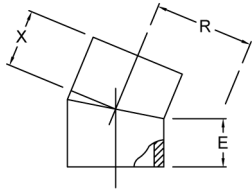
IPS 3-Segment 45 Elbow (1/8 Bend)



- Reinforced
- Fully Pressure Rated with Full Flow ID

Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7	SDR 9	SDR 11	SDR 17
					WPR [psi]	WPR [psi]	WPR [psi]	WPR [psi]
4		14.7	13.4	4.0	335	250	200	130
6		16.0	16.3	6.0	335	250	200	130
8		17.0	17.2	6.5	335	250	200	130
10		19.1	19.3	6.5	335	250	200	130
12		21.0	21.2	8.0	335	250	200	130
14		24.0	22.0	8.0	335	250	200	130
16		27.0	22.7	8.0	335	250	200	130
18		30.0	23.5	8.0	335	250	200	130
20		33.0	24.3	8.0	335	250	200	130
22		36.0	25.0	8.0	335	250	200	130
24		48.0	29.4	8.0	335	250	200	130
26		49.0	31.8	10.0		250	200	130
28		52.0	32.5	10.0		250	200	130
30		54.0	33.1	10.0		250	200	130
36		57.0	34.2	10.0		250	200	130

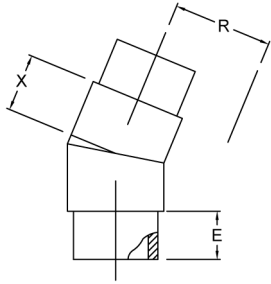
IPS 2-Segment 22.5 Elbow (1/16 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7		SDR 9	
					WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
2		3.6	4.3	4.0	250	1	200	1
3		5.3	4.4	4.0	250	2	200	2
4		6.8	4.5	4.0	250	3.5	200	3
6		10.0	6.7	6.0	250	9	200	7
8		10.7	7.4	6.5	250	16	200	13
10		13.5	7.6	6.5	250	26	200	21
12		16.0	9.3	8.0	250	43	200	35
14		14.5	9.4	8.0	250	53	200	42
16		16.8	9.6	8.0	250	73	200	61
18		18.4	9.8	8.0	250	92	200	75
20		20.4	10.0	8.0	250	114	200	92
22		22.4	10.2	8.0	250	146	200	118
24		24.5	10.4	8.0	250	173	200	141
26		26.5	12.6	10.0			200	201
28		28.5	12.8	10.0			200	233
30		30.5	13.0	10.0				
32		38.0	13.2	10.0				
34		41.0	13.4	10.0				
36		43.0	13.6	10.0				
42		50.0	20.2	16.0				
48		58.0	20.8	16.0				
54		64.0	21.4	16.0				

Size [inch]	SDR 11		SDR 17		SDR 21		SDR 26		SDR 32.5	
	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
2	160	1	105	1						
3	160	1.5	105	1.5						
4	160	2.5	105	2.5						
6	160	6	105	6						
8	160	11	105	9						
10	160	17	105	12						
12	160	31	105	20						
14	160	35	105	24						
16	160	49	105	33						
18	160	63	105	43						
20	160	77	105	52						
22	160	99	105	67						
24	160	117	105	79						
26	160	170	105	116						
28	160	196	105	130						
30	160	224	105	152						
32	160	267	105	179						
34	160	301	105	203						
36	160	338	105	227						
42			105	324	80	264				
48					80	350	65	285		
54							65	537	50	431

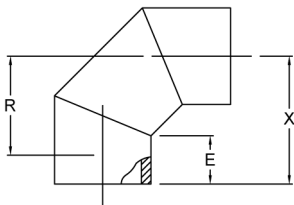
IPS 2-Segment 22.5 Elbow (1/16 Bend)



- Reinforced
- Fully Pressure Rated with Full Flow ID

Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 7 WPR [psi]	SDR 9 WPR [psi]	SDR 11 WPR [psi]	SDR 17 WPR [psi]	SDR 21 WPR [psi]
4		10.0	10.7	6.0	335	250	200	130	
6		10.7	13.4	6.0	335	250	200	130	
8		13.5	14.0	6.5	335	250	200	130	
10		16.0	15.8	6.5	335	250	200	130	
12		145.0	17.4	8.0	335	250	200	130	
14		16.8	17.6	8.0	335	250	200	130	
16		18.4	17.8	8.0	335	250	200	130	
18		20.4	18.0	8.0	335	250	200	130	
20		22.4	18.2	8.0	335	250	200	130	
22		24.5	18.4	8.0	335	250	200	130	
24		26.5	20.6	8.0	335	250	200	130	
30		38.4	23.2	10.0		250	200	130	
36		45.6	23.8	10.0			200	130	100

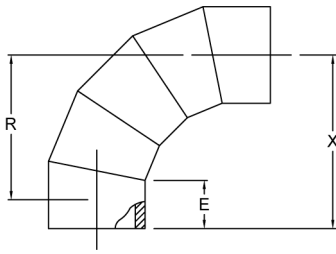
DIPS 3-Segment 90 Elbow (1/4 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 9 WPR [psi]	Weight [lbs]	SDR 11 WPR [psi]	Weight [lbs]
4		7.2	11.2	6.0	160	8	130	6
6		10.4	13.5	6.0	160	16	130	13
8		11.3	15.0	6.5	160	27	130	24
10		13.9	16.9	6.5	160	44	130	37
12		16.5	20.4	8.0	160	75	130	62
14		16.1	20.6	8.0	160	103	130	85
16		18.3	22.3	8.0	160	141	130	119
18		19.9	23.7	8.0	160	187	130	155
20		22.0	25.4	8.0	160	239	130	206
24		26.3	28.8	8.0	160	378	130	321
30		38.0	38.9	10.0			130	731

Size [inch]	SDR 17 WPR [psi]	Weight [lbs]
4	85	4
6	85	9
8	85	17
10	85	26
12	85	44
14	85	58
16	85	78
18	85	104
20	85	137
24	85	215
30	85	492

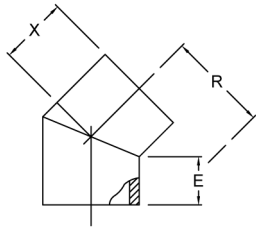
DIPS 5-Segment 90 Elbow (1/4 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 9		SDR 11	
					WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
4		14.0	17.7	6.0	200	11	160	9
6		15.0	18.7	6.0	200	21	160	17
8		16.2	20.4	6.5	200	35	160	32
10		17.2	21.4	6.5	200	56	160	47
12		19.8	25.2	8.0	200	94	160	78
14		23.0	28.0	8.0	200	134	160	114
16		26.1	30.6	8.0	200	187	160	161
18		29.3	33.4	8.0	200	256	160	211
20		32.4	36.1	8.0	200	328	160	276
24		38.7	41.6	8.0	200	531	160	449
30		48.0	51.6	10.0			160	847

Size [inch]	SDR 17	
	WPR [psi]	Weight [lbs]
4	105	5
6	105	12
8	105	25
10	105	33
12	105	55
14	105	76
16	105	106
18	105	142
20	105	187
24	105	301
30	105	570

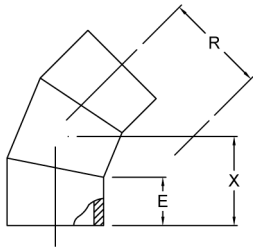
DIPS 2-Segment 45 Elbow (1/8 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 9		SDR 11	
					WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
4		7.2	7.0	6.0	160	5	130	4
6		10.4	7.4	6.0	160	10	130	8
8		11.3	8.4	6.5	160	17	130	15
10		13.9	8.8	6.5	160	27	130	25
12		16.5	10.7	8.0	160	46	130	38
14		16.1	11.2	8.0	160	64	130	53
16		18.3	11.6	8.0	160	86	130	74
18		19.9	12.0	8.0	160	109	130	90
20		22.0	12.5	8.0	160	139	130	117
24		26.3	13.3	8.0	160	207	130	175
30		38.0	16.6	10.0			130	336

Size [inch]	SDR 17	
	WPR [psi]	Weight [lbs]
4	85	3
6	85	6
8	85	11
10	85	16
12	85	27
14	85	36
16	85	48
18	85	61
20	85	79
24	85	117
30	85	226

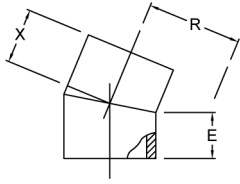
DIPS 3-Segment 45 Elbow (1/8 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 9		SDR 11	
					WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
4		14.0	9.1	6.0	200	6	160	4.5
6		15.0	9.4	6.0	200	13	160	11
8		16.2	10.4	6.5	200	21	160	19
10		17.2	10.8	6.5	200	34	160	28
12		19.8	13.0	8.0	200	58	160	48
14		23.0	13.8	8.0	200	80	160	66
16		26.1	14.5	8.0	200	111	160	95
18		29.3	15.3	8.0	200	146	160	121
20		32.4	16.1	8.0	200	183	160	154
24		38.7	17.7	8.0	200	288	160	243
30		48.0	22.0	10.0			160	464

Size [inch]	SDR 17	
	WPR [psi]	Weight [lbs]
4	105	3
6	105	7
8	105	14
10	105	20
12	105	34
14	105	45
16	105	62
18	105	81
20	105	105
24	105	163
30	105	312

DIPS 2-Segment 22.5 Elbow (1/16 Bend)



Size [inch]	Part No.	R [inch]	X [inch]	E [inch]	SDR 9		SDR 11	
					WPR [psi]	Weight [lbs]	WPR [psi]	Weight [lbs]
4		7.2	6.5	6.0	200	4	160	3
6		10.4	6.7	6.0	200	9	160	7
8		11.3	7.4	6.5	200	14	160	13
10		13.9	7.6	6.5	200	24	160	20
12		16.5	9.3	8.0	200	39	160	32
14		16.1	9.5	8.0	200	56	160	45
16		18.3	9.7	8.0	200	69	160	60
18		19.9	9.9	8.0	200	89	160	73
20		22.0	10.1	8.0	200	114	160	96
24		26.3	10.6	8.0	200	162	160	137
30		38.0	13.2	10.0			160	267

Size [inch]	SDR 17	
	WPR [psi]	Weight [lbs]
4	105	2
6	105	5
8	105	10
10	105	14
12	105	23
14	105	31
16	105	39
18	105	50
20	105	65
24	105	92
30	105	179