

ESTIMATED INCH DIA - SIZE WISE - MATL WISE
PE&SD SCOPE OF ENGINEERING

PIPE NPS	HMD				
	AS (P91)	AS (P22)	CS	SS	TOTAL
TOTAL IBR + NIBR					
0.75	0	193	934	13	1140
1	0	399	2238	24	2661
1.5	6	343	53	366	768
2	458	34	3266	262	4020
2.5	0	0	16	0	16
3	48	132	1548	225	1953
4	284	84	6964	168	7500
5	0	0	30	0	30
6	0	342	9594	1116	11052
8	224	240	8672	0	9136
10	500	260	12220	700	13680
12	648	0	4932	420	6000
14	0	0	12936	6930	19866
16	2384	64	7472	64	9984
18	0	0	4122	0	4122
20	2000	0	5820	600	8420
24	0	96	4536	0	4632
28	0	0	868	0	868
30	0	0	4470	0	4470
32	0	384	704	0	1088
36	0	0	7596	0	7596
40	0	0	280	0	280
44	0	0	2904	0	2904
TOTAL	6552	2571	102175	10888	122186
IBR					
0.75	0	193	922	0	1115
1	0	399	2026	0	2425
1.5	6	343	53	0	402
2	458	34	580	0	1072
2.5	0	0	0	0	0
3	48	132	879	0	1059
4	284	84	1868	0	2236
5	0	0	0	0	0
6	0	342	1524	0	1866
8	224	240	6088	0	6552
10	500	260	5900	0	6660
12	648	0	4464	0	5112
14	0	0	12474	0	12474
16	2384	64	3200	0	5648

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PE&SD SCOPE OF ENGINEERING

PIPE NPS	HMD				
	AS (P91)	AS (P22)	CS	SS	TOTAL
18	0	0	3132	0	3132
20	2000	0	2020	0	4020
24	0	96	4296	0	4392
28	0	0	252	0	252
30	0	0	4080	0	4080
32	0	384	704	0	1088
36	0	0	0	0	0
40	0	0	0	0	0
44	0	0	2904	0	2904
SUM	6552	2571	57366	0	66489
NIBR					
0.75	0	0	12	13	25
1	0	0	212	24	236
1.5	0	0	0	366	366
2	0	0	2686	262	2948
2.5	0	0	16	0	16
3	0	0	669	225	894
4	0	0	5096	168	5264
5	0	0	30	0	30
6	0	0	8070	1116	9186
8	0	0	2584	0	2584
10	0	0	6320	700	7020
12	0	0	468	420	888
14	0	0	462	6930	7392
16	0	0	4272	64	4336
18	0	0	990	0	990
20	0	0	3800	600	4400
24	0	0	240	0	240
28	0	0	616	0	616
30	0	0	390	0	390
32	0	0	0	0	0
36	0	0	7596	0	7596
40	0	0	280	0	280
44	0	0	0	0	0
SUM	0	0	44809	10888	55697