

LOAD RATING THREADED ROD/MAX SPACING

Nominal Rod Dia. (in inches)	Root Area Thread (in inches) ²	Max. Rec. Load/lbs.	
		650°F	750°F
1/4	.027	240	210
3/8	.068	610	540
1/2	.126	1130	1010
5/8	.202	1810	1610
3/4	.302	2710	2420
7/8	.419	3770	3360
1	.552	4960	4420
1 1/8	.693	6230	5560
1 1/4	.889	8000	7140
1 1/2	1.293	11630	10370
1 3/4	1.744	15700	14000
2	2.300	20700	18460
2 1/4	3.023	27200	24260
2 1/2	3.719	33500	29880

WEIGHT PER LINEAR FOOT FOR PIPE AND WATER

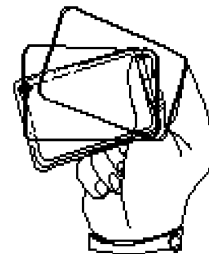
NOM. PIPE SIZE	WEIGHT OF:		WEIGHT OF:	
	STD. PIPE	WATER	XS PIPE	WATER
1/2	.851	.132	1.088	.101
3/4	1.131	.231	1.474	.187
1	1.679	.374	2.172	.311
1 1/4	2.273	.648	2.997	.555
1 1/2	2.718	.882	3.632	.765
2	3.653	1.453	5.022	1.278
2 1/2	5.794	2.073	7.662	1.835
3	7.580	3.200	10.250	2.860
3 1/2	9.110	4.280	12.510	3.850
4	10.790	5.510	14.990	4.980
5	14.620	8.660	20.780	7.880
6	18.980	12.510	28.580	11.290
8	28.560	21.680	43.400	19.800
10	40.500	34.100	54.700	32.300
12	49.600	49.000	65.400	47.000
14	54.600	59.700	72.100	57.500
16	62.600	79.100	82.800	76.500
18	70.600	101.200	93.500	98.300
20	78.600	126.000	104.100	122.800
24	94.600	183.800	125.500	179.900
30	118.700	291.000	157.600	286.000

DRILL SIZES FOR PIPE TAPS

SIZE OF TAP	NUMBER OF THREADS PER INCH	DIAM. OF DRILL	SIZE OF TAP	NUMBER OF THREADS PER INCH	DIAM. OF DRILL
1/8	27	1/32	2	11 1/2	2 3/16
1/4	18	7/64	2 1/2	8	2 1/16
3/8	18	3/64	3	8	3 3/16
1/2	14	23/32	3 1/2	8	3 11/16
3/4	14	5/64	4	8	4 3/16
1	11 1/2	1 3/32	4 1/2	8	4 3/4
1 1/4	11 1/2	1 1/2	5	8	5 3/16
1 1/2	11 1/2	1 3/4	6	8	6 3/16

TAP AND DRILL SIZES (American Standard Coarse)

SIZE OF DRILL	SIZE OF TAP	THREADS PER INCH	SIZE OF DRILL	SIZE OF TAP	THREADS PER INCH
7	1/4	20	49/64	7/8	9
F	5/16	18	53/64	15/16	9
3/16	3/8	16	7/8	1	8
U	7/16	14	63/64	1 1/8	7
7/64	1/2	13	1 1/64	1 1/4	7
31/64	5/8	12	1 13/64	1 3/8	6
17/32	5/8	11	1 11/32	1 1/2	6
19/32	11/16	11	1 29/64	1 5/8	5 1/2
21/32	3/4	10	1 1/16	1 3/4	5
23/32	13/16	10	1 11/16	1 7/8	5
			1 25/32	2	4 1/2



**DUFF
GLADLY
ACCEPTS
VISA AND
MASTERCARD**