

J. KOZEL & SON, INC.

PIPE • COLUMNS • PLATE • ANGLE • ROUND BAR • CHANNEL • FLAT BAR • REBAR • DECKING • WIRE MESH

PIPE DIMENSIONS				
	NOMINAL I.D.	OUTSIDE DIAMETER	SCHEDULE	
			40	80
SIZE	2"	2-3/8"	5/32"	7/32"
LB/FT			2.64	5.03
SIZE	2.5"	2-7/8"	13/64"	17/64"
LB/FT			3.53	7.67
SIZE	3"	3-1/2"	7/32"	19/64"
LB/FT			4.34	10.26
SIZE	3.5"	4"	7/32"	5/16"
LB/FT			4.98	12.52
SIZE	4"	4-1/2"	15/64"	11/32"
LB/FT			5.62	15.00
SIZE	5"	5-9/16"	1/4"	3/8"
LB/FT			7.78	20.80
SIZE	6"	6-5/8"	9/16"	7/16"
LB/FT			9.30	28.60
SIZE	8"	8-5/8"	21/64"	1/2"
LB/FT			13.41	43.43

CHANNEL DIMENSIONS			
DEPTH	LB/FT	WEB THICKNESS	FLANGE WIDTH
C3 x	4.1	11/64"	1-13/32"
	5.0	1/4"	1-1/2"
C4 x	5.4	3/16"	1-19/32"
	6.2	1/4"	1-5/8"
C5 x	6.7	3/16"	1-3/4"
	9.0	5/16"	1-7/8"
C6 x	8.2	13/64"	1-15/16"
	10.5	5/16"	2"
C7 x	9.8	13/64"	2-3/32"
	12.25	5/16"	2-5/16"
C8 x	11.5	7/32"	2-1/4"
	13.75	5/16"	2-3/8"
C9 x	13.4	15/64"	2-7/16"
	15.0	9/32"	2-1/2"
C10 x	15.3	1/4"	2-5/8"
	20.0	3/8"	2-3/4"
C12 x	20.7	9/32"	2-15/16"
	25.0	25/64"	3"

ANGLE IRON DIMENSIONS		
SIZE	THICKNESS	LB/FT
1 x 1 x	1/8	.80
	3/16	1.16
	1/4	1.49
	1-1/2 x 1-1/2 x	1/8
	3/16	1.8
	1/4	2.34
2 x 2 x	1/8	1.65
	3/16	2.44
	1/4	3.19
	3/8	4.7
2-1/2 x 2-1/2 x	3/16	3.07
	1/4	4.1
	5/16	5.0
	3/8	5.9
3 x 3 x	3/16	3.71
	1/4	4.9
	5/16	6.1
	3/8	7.2
3-1/2 x 3-1/2 x	1/4	5.8
	5/16	6.6
	3/8	8.5
4 x 3-1/2 x	1/4	6.2
	5/16	7.2
	3/8	9.1
4 x 4 x	1/4	6.6
	5/16	8.2
	3/8	9.8
5 x 3-1/2 x	1/4	7.0
	5/16	8.7
	3/8	10.4
5 x 5 x	3/8	12.3
	1/2	16.2
6 x 3-1/2 x	5/16	9.8
	3/8	11.7
6 x 4 x	3/8	12.3
	1/2	16.2
6 x 6 x	3/8	14.9
	1/2	19.6

ADJUSTABLE COLUMN ALLOWABLE LOAD CHART			
COLUMN HEIGHT	3" OD 11GA. (LBS)	4" OD 11GA. (LBS)	3" SCHED 40 (LBS)
6'-0" - 6'-4"	12,160	18,225	25,580
6'-3" - 6'-7"	11,925	18,060	25,580
6'-6" - 6'-10"	11,685	17,860	25,580
6'-9" - 7'-1"	11,440	17,655	25,580
7'-0" - 7'-4"	11,195	17,440	25,580
7'-3" - 7'-7"	10,945	17,225	25,580
7'-6" - 7'-10"	10,690	17,005	25,580
7'-9" - 8'-1"	10,440	16,780	25,580
8'-0" - 8'-4"	10,180	16,550	25,580
8'-3" - 8'-7"	9,925	16,320	25,580
8'-6" - 8'-10"	9,665	16,085	25,580
8'-9" - 9'-1"	9,405	15,845	25,580
9'-0" - 9'-4"	9,150	15,600	25,315
9'-3" - 9'-7"	8,890	15,355	24,550
9'-6" - 9'-10"	8,630	15,110	23,790
9'-9" - 10'-1"	8,375	14,860	23,035
10'-0" - 10'-4"	8,120	14,610	22,280

PLATE WEIGHTS	
THICKNESS	LBS/SQ FT
1/8"	5.1
3/16"	7.66
1/4"	10.21
5/16"	12.76
3/8"	15.32
7/16"	17.87
1/2"	20.42
9/16"	22.97
5/8"	25.53
3/4"	30.63
7/8"	35.74
1"	40.84



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