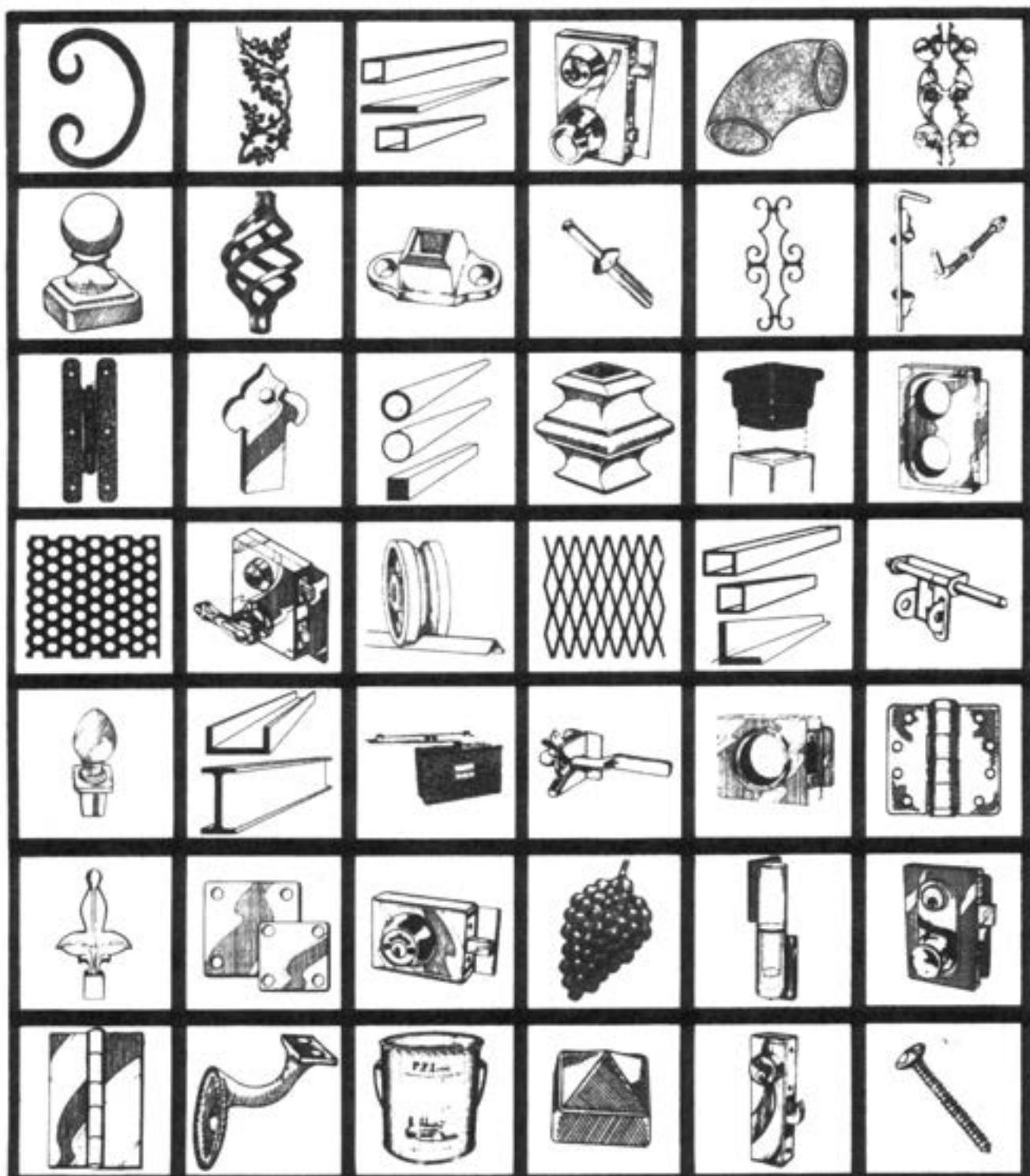


USA Metals LLC

STEEL DISTRICT ORNAMENTAL IRON PRODUCTS SUPPLIER



TEL: (510) 633-2868 FAX: (510) 633-2869
515 Independent Road, Oakland, Ca 94621

Square Tubing

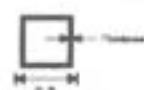


ITEM	SIZE	LENGTH
ST1218	1/2" x 1/2" x 18GA	20'
ST1216	1/2" x 1/2" x 16GA	20'
ST5818	5/8" x 5/8" x 18GA	20'
ST5816	5/8" x 5/8" x 16GA	20'
ST581624	5/8" x 5/8" x 16GA	24'
ST3418	3/4" x 3/4" x 18GA	20'
ST3416	3/4" x 3/4" x 16GA	20'
ST341624	3/4" x 3/4" x 16GA	24'
ST3414	3/4" x 3/4" x 14GA	20'
ST1118	1" x 1" x 18GA	20'
ST1116	1" x 1" x 16GA	20'
ST1114	1" x 1" x 14GA	20'
ST111	1" x 1" x 11GA	20'
ST111416	1-1/4" x 1-1/4" x 16GA	20'
ST111414	1-1/4" x 1-1/4" x 14GA	20'
ST111411	1-1/4" x 1-1/4" x 11GA	20'
ST11216	1-1/2" x 1-1/2" x 16GA	20'
ST1121624	1-1/2" x 1-1/2" x 16GA	24'
ST11214	1-1/2" x 1-1/2" x 14GA	20'
ST11211	1-1/2" x 1-1/2" x 11GA	20'
ST1127	1-1/2" x 1-1/2" x 7GA	20'

ITEM	SIZE	LENGTH
ST216	2" x 2" x 16GA	20'
ST214	2" x 2" x 14GA	20'
ST213	2" x 2" x 13GA	20'
ST211	2" x 2" x 11GA	20'
ST27	2" x 2" x 7GA	20'
ST24	2" x 2" x 4GA	20'
ST21214	2-1/2" x 2-1/2" x 14GA	20'
ST21211	2-1/2" x 2-1/2" x 11GA	20'
ST2127	2-1/2" x 2-1/2" x 7GA	20'
ST316	3" x 3" x 16GA	20'
ST314	3" x 3" x 14GA	20'
ST311	3" x 3" x 11GA(1/8)	20'
ST31124	3" x 3" x 11GA	24'
ST37	3" x 3" x 7GA(3/16)	20'
ST34	3" x 3" x 4GA	20'
ST414	4" x 4" x 14GA	20'
ST411	4" x 4" x 11GA	20'
ST47	4" x 4" x 7GA	20'
ST44	4" x 4" x 4GA(1/4)	20'
ST57	5" x 5" x 7GA	20'
ST67	6" x 6" x 7GA	20'

Square Structural Tubing

(Available in 20' 40' lengths)



ITEM	SIZE OUTSIDE DIMENSIONS	WALL THICKNESS
ST4375	4" x 4" x	0.375
ST4500	4" x 4" x	0.500
ST5250	5" x 5" x	0.250
ST5375	5" x 5" x	0.375
ST5500	5" x 5" x	0.500
ST6250	6" x 6" x	0.250
ST6375	6" x 6" x	0.375

ITEM	SIZE OUTSIDE DIMENSIONS	WALL THICKNESS
ST6500	6" x 6" x	0.500
ST8250	8" x 8" x	0.250
ST8375	8" x 8" x	0.375
ST8500	8" x 8" x	0.500
ST10250	10" x 10" x	0.250
ST10375	10" x 10" x	0.375
ST10500	10" x 10" x	0.500

Rectangular Tubing



ITEM	SIZE	LENGTH
ST101216	1" x 1/2" x 16GA	20'
ST11201216	1-1/2" x 1/2" x 16GA	20'
ST11203416	1-1/2" x 3/4" x 16GA	20'
ST1120116	1-1/2" x 1" x 16GA	20'
ST20116	2" x 1" x 16GA	20'
ST20114	2" x 1" x 14GA	20'
ST20111	2" x 1" x 11GA	20'
ST2011216	2" x 1-1/2" x 16GA	20'
ST30116	3" x 1" x 16GA	20'

ITEM	SIZE	LENGTH
ST3011216	3" x 1-1/2" x 16GA	20'
ST3011211	3" x 1-1/2" x 11GA	20'
ST30214	3" x 2" x 14GA	20'
ST30211	3" x 2" x 11GA	20'
ST4011216	4" x 1-1/2" x 16GA	20'
ST40214	4" x 2" x 14GA	20'
ST40211	4" x 2" x 11GA	20'
ST4027	4" x 2" x 7GA	20'
ST50211	5" x 2" x 11GA	20'
ST6047	6" x 4" x 7GA	20'

Rectangular Structural Tubing

(Available in 20' 40' lengths)



ITEM	SIZE OUTSIDE DIMENSIONS	WALL THICKNESS
TS42250	4" X 2"	0.250
TS42313	4" X 2"	0.313
TS43250	4" X 3"	0.250
TS43313	4" X 3"	0.313
TS52250	5" X 2"	0.250
TS52313	5" X 2"	0.313
TS54250	5" X 4"	0.250
TS54313	5" X 4"	0.313
TS62250	6" X 2"	0.250
TS62375	6" X 2"	0.375
TS64250	6" X 4"	0.250
TS64375	6" X 4"	0.375
TS82250	8" X 2"	0.250

ITEM	SIZE OUTSIDE DIMENSIONS	WALL THICKNESS
TS82375	8" X 2"	0.375
TS84250	8" X 4"	0.250
TS84375	8" X 4"	0.375
TS102250	10" X 2"	0.250
TS102375	10" X 2"	0.375
TS104250	10" X 4"	0.250
TS104375	10" X 4"	0.375
TS122250	12" X 2"	0.250
TS122375	12" X 2"	0.375
TS122500	12" X 2"	0.500
TS124250	12" X 4"	0.250
TS124375	12" X 4"	0.375
TS124500	12" X 4"	0.500

all size are available

Solid Square Bar



ITEM	SIZE		LENGTH
SQB14	1/4"	x 1/4"	20'
SQB38	3/8"	x 3/8"	20'
SQB12	1/2"	x 1/2"	20'
SQB58	5/8"	x 5/8"	20'
SQB34	3/4"	x 3/4"	20'
SQB1	1"	x 1"	20'
SQB114	1-1/4"	x 1-1/4"	20'
SQB112	1-1/2"	x 1-1/2"	20'
SQB2	2"	x 2"	20'

all size are available

Solid Round Bar



ITEM	SIZE		LENGTH
RB14	1/4"		20'
RB38	3/8"		20'
RB12	1/2"		20'
RB58	5/8"		20'
RB34	3/4"		20'
RB1	1"		20'
RB114	1-1/4"		20'
RB112	1-1/2"		20'
RB2	2"		20'



SIZE (O.D.)

Round Tubing



ITEM	SIZE		LENGTH
RT1216	1/2"	x 16GA	20'
RT5816	5/8"	x 16GA	20'
RT3416	3/4"	x 16GA	20'
RT116	1"	x 16GA	20'
RT113	1"	x 13GA	20'
RT11416	1-1/4"	x 16GA	20'
RT11411	1-1/4"	x 11GA	20'

all size are available

ITEM	SIZE		LENGTH
RT11216	1-1/2"	x 16GA	20'
RT11213	1-1/2"	x 13GA	20'
RT11211	1-1/2"	x 11GA	20'
RT216	2"	x 16GA	20'
RT316	3"	x 16GA	20'
RT411	4"	x 11GA	20'

Re-Bar

(Concrete Reinforcing Bar)

ITEM	SIZE
RB3	#3 (3/8")
RB4	#4 (1/2")
RB5	#5 (5/8")
RB6	#6 (3/4")



PIPE

Schedule-40
Schedule-10



ITEM	SIZE		O.D.	LENGTH
BP4012	1/2"	x sch40'	3/4"	21'
BP1034	3/4"	x sch10'	1"	21'
BP4034	3/4"	x sch40'	1-1/16"	21'
BP101	1"	x sch10'	1-1/16"	21'
BP401	1"	x sch40'	1-5/16"	21'
BP10114	1-1/4"	x sch10'	1-5/8"	21'
BP40114	1-1/4"	x sch40'	1-5/8"	21'
BP10112	1-1/2"	x sch10'	1-7/8"	21'

all size are available

ITEM	SIZE		O.D.	LENGTH
BP40112	1-1/2"	x sch40'	1-7/8"	21'
BP402	2"	x sch40'	2-3/8"	21'
BP40212	2-1/2"	x sch40'	2-7/8"	21'
BP403	3"	x sch40'	3-1/2"	21'
BP40312	3-1/2"	x sch40'	4"	21'
BP404	4"	x sch40'	4-1/2"	21'
BP405	5"	x sch40'	5-1/2"	21'
BP406	6"	x sch40'	6-5/8"	21'



SIZE (O.D.)

ANGLES

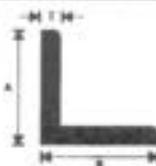
(Angles are stocked in 20' Lengths)



ITEM	Angle size			
	A	B	T	
AB1218	1/2"	x 1/2"	x 1/8"	
AB3418	3/4"	x 3/4"	x 1/8"	
AB118	1"	x 1"	x 1/8"	
AB1316	1"	x 1"	x 3/16"	
AB114	1"	x 1"	x 1/4"	
AB11418	1-1/4"	x 1-1/4"	x 1/8"	
AB114316	1-1/4"	x 1-1/4"	x 3/16"	
AB11414	1-1/4"	x 1-1/4"	x 1/4"	
AB11218	1-1/2"	x 1-1/2"	x 1/8"	
AB112316	1-1/2"	x 1-1/2"	x 3/16"	
AB11214	1-1/2"	x 1-1/2"	x 1/4"	
AB2011218	2"	x 1-1/2"	x 1/8"	
AB218	2"	x 2"	x 1/8"	
AB2316	2"	x 2"	x 3/16"	

all size are available

ITEM	Angle size			
	A	B	T	
AB214	2"	x 2"	x 1/4"	
AB212316	2-1/2"	x 2-1/2"	x 3/16"	
AB21214	2-1/2"	x 2-1/2"	x 1/4"	
AB302316	3"	x 2"	x 3/16"	
AB30214	3"	x 2"	x 1/4"	
AB3316	3"	x 3"	x 3/16"	
AB314	3"	x 3"	x 1/4"	
AB312316	3-1/2"	x 3-1/2"	x 3/16"	
AB31214	3-1/2"	x 3-1/2"	x 1/4"	
AB414	4"	x 4"	x 1/4"	
AB438	4"	x 4"	x 3/8"	
AB538	5"	x 5"	x 3/8"	
AB521	5"	x 5"	x 1/2"	



Flat Bars

(All Flat Bars in 20' length)



ITEM	SIZE
FB1812	1/8" X 1/2"
FB1834	1/8" X 3/4"
FB181	1/8" X 1"
FB18114	1/8" X 1-1/4"
FB18112	1/8" X 1-1/2"
FB182	1/8" X 2"
FB18212	1/8" X 2-1/2"
FB183	1/8" X 3"
FB184	1/8" X 4"
FB185	1/8" X 5"
FB186	1/8" X 6"
FB188	1/8" X 8"
FB1412	1/4" X 1/2"
FB1434	1/4" X 3/4"
FB141	1/4" X 1"
FB14114	1/4" X 1-1/4"
FB14112	1/4" X 1-1/2"
FB142	1/4" X 2"
FB14212	1/4" X 2-1/2"
FB143	1/4" X 3"
FB14312	1/4" X 3-1/2"
FB144	1/4" X 4"
FB145	1/4" X 5"
FB146	1/4" X 6"
FB148	1/4" X 8"

ITEM	SIZE
FB1410	1/4" X 10"
FB14012	1/4" X 12"
FB121	1/2" X 1"
FB12114	1/2" X 1-1/4"
FB12112	1/2" X 1-1/2"
FB122	1/2" X 2"
FB123	1/2" X 3"
FB124	1/2" X 4"
FB125	1/2" X 5"
FB126	1/2" X 6"
FB128	1/2" X 8"
FB12012	1/2" X 12"
FB31612	3/16" X 1/2"
FB31634	3/16" X 3/4"
FB3161	3/16" X 1"
FB316114	3/16" X 1-1/4"
FB316112	3/16" X 1-1/2"
FB3162	3/16" X 2"
FB316212	3/16" X 2-1/2"
FB3163	3/16" X 3"
FB316312	3/16" X 3-1/2"
FB3164	3/16" X 4"
FB3165	3/16" X 5"
FB3166	3/16" X 6"
FB381	3/8" X 1"

ITEM	SIZE
FB38114	3/8" X 1-1/4"
FB38112	3/8" X 1-1/2"
FB382	3/8" X 2"
FB38212	3/8" X 2-1/2"
FB383	3/8" X 3"
FB38312	3/8" X 3-1/2"
FB384	3/8" X 4"
FB385	3/8" X 5"
FB386	3/8" X 6"
FB387	3/8" X 7"
FB388	3/8" X 8"
FB389	3/8" X 9"
FB3810	3/8" X 10"
FB3812	3/8" X 12"
FB516114	5/16" X 1-1/4"
FB516112	5/16" X 1-1/2"
FB5162	5/16" X 2"
FB58112	5/8" X 1/2"
FB582	5/8" X 2"
FB583	5/8" X 3"
FB342	3/4" X 2"
FB343	3/4" X 3"
FB344	3/4" X 4"
FB34012	3/4" X 12"

all size are available

Channels

(Channels are Stoked in 20' Length)



ITEM	SIZE	D	W	T
CB101218	1"x1/2"	1"	1/2"	1/8"
CB11401218	1-1/4"x1/2"	1-1/4"	1/2"	1/8"
CB11201218	1-1/2"x1/2"	1-1/2"	1/2"	1/8"
CB11203418	1-1/2"x3/4"	1-1/2"	3/4"	1/8"
CB20118	2"x1"	2"	1"	1/8"
CB201316	2"x1"	2"	1"	3/16"
CB3	3"	3.5	1.375	.135

ITEM	SIZE	D	W	T
CB4	4"	4.5	1.560	.140
CB5	5"	6.7	1.750	.190
CB6	6"	8.2	1.920	.200
CB8	8"	11.5	2.260	.220
CB10	10"	15.3	2.600	.240
CB12	12"	20.7	2.940	.280
CB15	15"	33.9	3.400	.400

all size are available

Wide Flange Beams

(Available in 20' 40' Lengths)



ITEM	SIZE	D	W	T
W4X13	4 x 13	4.16	4.060	0.280
W5X16	5 x 16	5.01	5.000	0.240
W6X9	6 x 9	5.90	9.940	0.170
W6X15	6 x 15	5.99	5.990	0.230
W8X10	8 x 10	7.89	3.940	0.180
W8X18	8 x 18	8.14	5.250	0.230
W8X24	8 x 24	7.93	6.495	0.245
W8X31	8 x 31	8.00	7.995	0.285
W10X12	10 x 12	9.87	3.960	0.190
W10X22	10 x 22	10.17	5.750	0.240
W10X33	10 x 33	9.73	7.960	0.290
W10X49	10 x 49	9.98	10.000	0.340
W10X80	10 x 80	10.22	10.080	0.420

ITEM	SIZE	D	W	T
W12X14	12 x 14	11.91	3.970	0.200
W12X26	12 x 26	12.22	6.490	0.230
W12X40	12 x 40	11.94	8.005	0.295
W12X53	12 x 53	12.06	9.995	0.345
W14X22	14 x 22	13.74	5.000	0.230
W14X30	14 x 30	13.84	6.730	0.270
W14X43	14 x 43	13.66	7.995	0.305
W14X61	14 x 61	13.89	9.995	0.375
W18X28	18 x 28	15.69	5.525	0.275
W16X36	16 x 36	15.86	6.985	0.295
W16X67	16 x 67	16.35	10.235	0.395
W18X35	18 x 35	17.70	6.000	0.300
W18X50	18 x 50	17.99	7.495	0.355
W18X76	18 x 76	18.21	11.035	0.425

all size are available

Expanded Metal

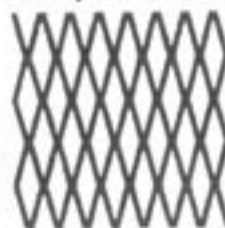
Expanded Metal



1/2", 3/4"

ITEM	SIZE
EM1216	1/2 16GA 4 x 8
EM1213	1/2 13GA 4 x 8
EM34136	3/4 13GA 3 x 6
EM3413	3/4 13GA 4 x 8
EM3409	3/4 9GA 4 x 8

Calv. Expanded Metal



1/2", 3/4"

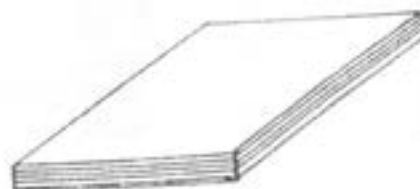
ITEM	SIZE
EMG1216	1/2 16GA 4 x 8
EM341336	3/4 13GA 3 x 6
EM3413	3/4 13GA 4 x 8

Perforated Sheet



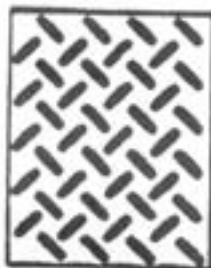
ITEM	SIZE
PS37116	1/16" Hole x 3' x 7'
PS37332	3/32" Hole x 3' x 7'
PS47116	1/16" Hole x 4' x 7'
PS47332	3/32" Hole x 4' x 7'

Sheet Metal



ITEM	SIZE
CR24	24GA 4' x 8'
CR22	22GA 4' x 8'
CR20	20GA 4' x 8'
CR18	18GA 4' x 8'
HR16	16GA 4' x 8'
HR14	14GA 4' x 8'
HR11	11GA 4' x 8'

DiamondPlate



ITEM	SIZE
FP14	4' x 8' x 1/4 GA
FP18	4' x 8' x 1/8 GA
FP316	4' x 8' x 3/16 GA
FP14	4' x 8' x 1/4 GA
FP31640	4' x 10' x 3/16 GA
FP14410	4' x 10' x 1/4 GA
FP145X8	5' x 8' x 1/4 GA

Metal Plate



ITEM	SIZE
HR1/4	4' x 8' x 1/4
HR3/8	4' x 8' x 3/8
HR1/2	4' x 8' x 1/2
HR5/8	4' x 8' x 5/8
HR3/4	4' x 8' x 3/4
HR1	4' x 8' x 1

Cast Iron Spears



SP227

Size: 1/2", 5/8", 3/4"



SP260

Size: 1/2", 5/8", 3/4"



SP215

Size: 1/2", 5/8", 3/4"



SP218

Size: 1/2", 5/8", 3/4"



SP217

Size: 1/2", 5/8", 3/4"



SP217B

Size: 1/2", 5/8", 3/4"



SP270

Size: 1/2", 5/8", 3/4"



CI 251

Size: 1/2", 5/8", 3/4"



Ball

CIF

Size: 1", 1-1/4", 1-1/2"



Post Ball

CIB

Size: 2" 2-1/2", 3", 4", 5", 6"



CI 252

Size: 1/2", 5/8", 3/4"



CIC

Size: 1-1/2", 2", 2-1/2", 3", 4"



SC

Size: 1-1/2", 2", 2-1/2", 3", 4"



PC

Size: 1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2", 2", 2"x1", 1/2"x3/4", 3"x1"

Cast Iron Spears



SP 149
1/2", 5/8", 3/4"



SP 150
1/2", 5/8", 3/4"



SP 151
1/2", 5/8", 3/4"



671 AF
5 x 1-3/4

3/4"



671 XL
8-1/8 x 2-1/4

1"



655
6-1/2 x 3-1/4

1/2"
5/8"
3/4"



211
4-3/8 x 2-3/4

1/2"
5/8"
3/4"



670 CF
5-3/4 x 3-3/4

1/2"
5/8"



J46
5-3/8 x 3-3/4

1"



317 B
4-3/8 x 2

1/2"
5/8"
3/4"



317
4-3/8 x 2

1/2"
5/8"
3/4"



249
BASE: R 1-5/8"
2-1/4" x 4-1/2"



248
BASE: R 1-5/8"
2" x 3-1/2"



261
R 5/8"
1-1/2" x 5"



230
R 5/8"
1-7/8" x 4"



224
1/2" & 5/8"
3" x 4-3/4"

Aluminum Casting Designs



AC 252
7-1/2"x18-1/4"



AC 264
6-5/8"x17-1/4"



AC 263
6-5/8"x17-1/4"



AC 275
6"x15-1/4"



AC 210
7-1/4"x14-1/2"



AC 144
7-1/2"x14-1/4"



LEO-L

LEO-R

10"x20"



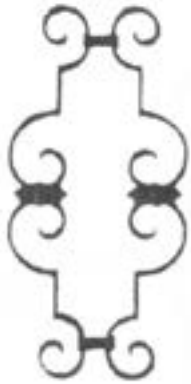
BAP



SAP

13"x22-1/4" LEFT & RIGHT 9"x15"

Aluminum Casting Designs

 1/2", 5/8", 3/4" AC 188 Height 15" Width 8"	 1/2", 5/8", 3/4" AC 211 Height 17-3/4" Width 7-7/8"	 1/2", 5/8", 3/4" AC 245 Height 17" Width 6-3/4"	 1/2", 5/8", 3/4" AC 192 Height 15-1/2" Width 8-1/4"
 1/2", 5/8", 3/4" AC 186 Height 14-1/2" Width 7"	 1/2", 5/8", 3/4" AC 107 Height 17" Width 7-3/4"	 1/2", 5/8", 3/4" AC 103 Height 12-1/4" Width 8-1/4"	 1/2", 5/8", 3/4" AC 123 Height 15-1/2" Width 7-3/4"
 1/2", 5/8", 3/4" AC 244 Full Bodies (no flat side) Height 7-3/4" Width 6-1/4"	 1/2", 5/8", 3/4" AC 196 Height 6-1/2" Width 8-1/4"	 AC 187 Height 5" Width 9" 1/2", 5/8", 3/4"	 1/2", 5/8", 3/4" AC 149 Height 15-1/2" Width 8"
	 AP-157 Wd: 8-1/8" Ht: 15-1/2"	 AC 195 Height 4" Width 4"	

Aluminum Casting Designs



AC 134
Height 27"
Width 9"



Cast in
ONE
PIECE

AC 139
Height 26"
Width 10-1/4"



AC 129
Height 29"
Width 19-1/2"



AC 148
Height 28 1/4"
Width 11-1/2"



AC 152
Height 29"
Width 11-3/4"



AC 133
Height 28-5/8"
Width 7-5/8"



AC 146
Height 23-3/4"
Width 11-1/2"

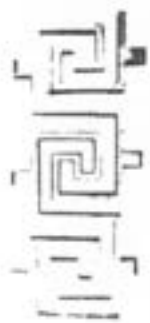


AC 119
Height 27-1/4"
(Scale=1/8")
Width 8"

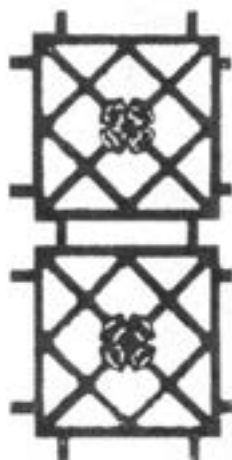


AC 138
Height 25-1/2"
Width 7-1/4"

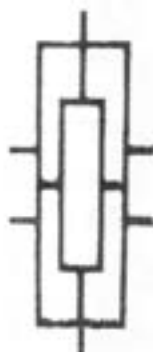
Aluminum Casting Designs



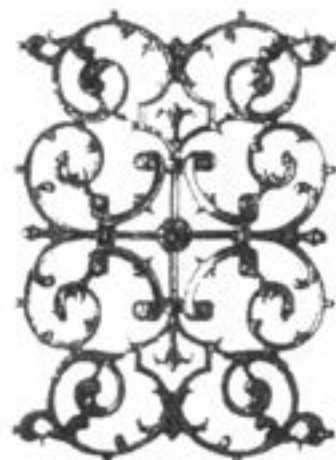
AC 167
H: 13-3/4"
W: 5-3/4"



AC 168
H: 17-1/4"
W: 9-1/4"



AC 169
H: 20-1/8"
W: 8-1/4"



SINGLE FACED
AC 179 SF
H: 31", W: 21-3/4"



AC 279
H: 15-1/2", W: 8-3/4"



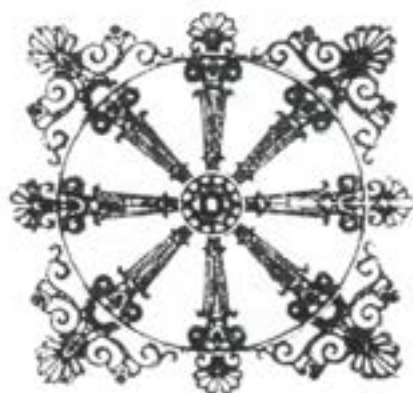
AC 181
H: 22-5/8", W: 8-3/4"



AC 182
H: 27", W: 7-1/2"



AC 183
H: 24 -3/4", W: 8-3/4"



SINGLE FACED
AC 185 SF
H: 21-5/8", W: 21-5/8"

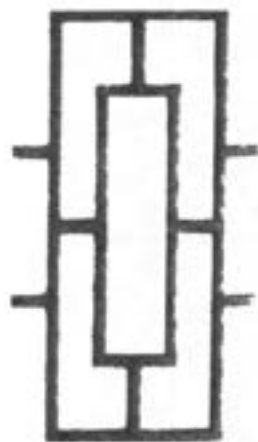


AC 258A
H: 4-1/8", W: 25-5/8"



AC 170
H: 25-1/2", W: 10"

Aluminum Casting Designs



AC 163
Height 31 1/4"
Width 10 1/4"



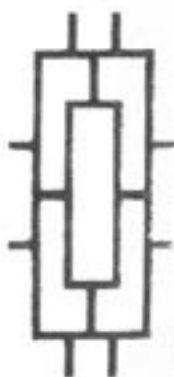
AC 140(SF)
Height 26"
Width 10-1/2"



AC 171
Height 27"
Length 8"



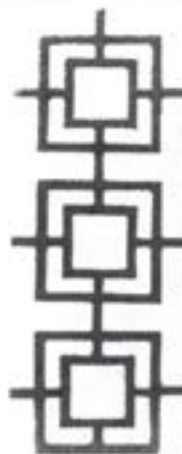
AC 124
Height 25-5/8"
Width 7-3/4"



AC 162
Height 16"
Width 8"



AC 161
Height 3-7/8"
Length 14-1/8"



AC 166
Height 24-1/4"
Width 9-3/4"



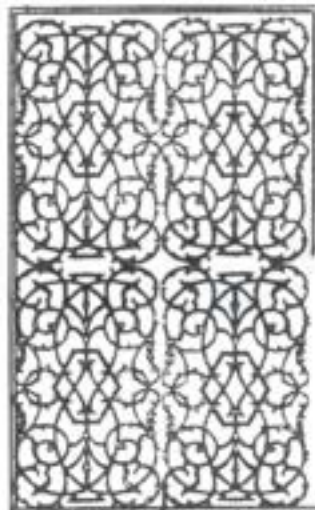
AC 238
Height 18-1/4"
Width 9-1/2"



AC 113
Height 22"
Width 7"

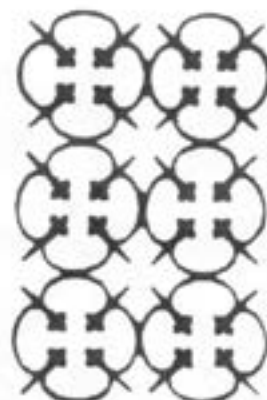


AC 106
Height 20-3/4"
Width 6-1/2"



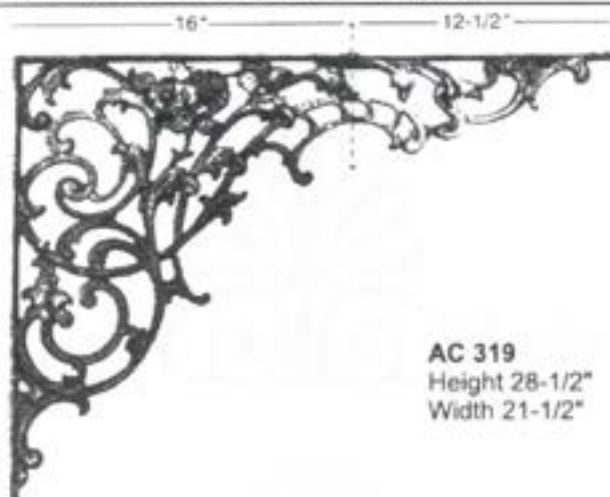
4 casting illustration

AC 315
Height 14-3/4"
Width 8-1/2"



AC 194
Height 15-7/8"
Width 10-1/4"

Aluminum Casting Designs

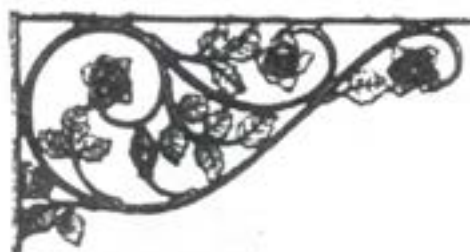


AC 319
Height 28-1/2"
Width 21-1/2"

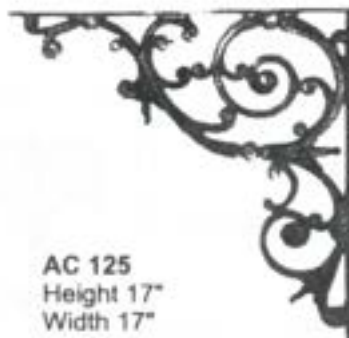
Corner Bracket



AC 176
Height 14-1/4"
Width 17-3/4"



AC 110
Height 9-3/4"
Width 18-3/4"



AC 125
Height 17"
Width 17"



AC 121
Height 15-1/2"
Width 15-1/2"



AC 182
Height 27"
Width 7-3/4"



AC 105
Height 27"
Width 7-7/8"



2 casting illustration

AC 247
Height 29"
Width 12"



AC 117
Height 31"
Width 8-1/4"



AC 154
Height 18"
Width 18"
11 lbs.



AC 151
Height 21-1/2"
Width 8"

Aluminum Casting Designs



AC 191
Height 12"
Length 31"



AC 190
Height 10"
Width 22"



AC 242
Height 9"
Width 7"



AC 172
Height 14-7/8"
Width 8"

1/2", 5/8", 3/4"



AC 128
Height 26-1/2"
Width 7"

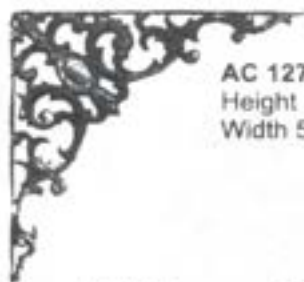


AC 252
Height 19-1/2"
Width 8"

1/2"
5/8"
3/4"



AC 236
Height 23-1/2"
Width 9"



AC 127
Height 15-1/2"
Width 5-1/2"



AC 126
Height 27-1/8"
Width 10-3/4"



AC 130
Height 19-1/4"
Width 7"



1/2", 5/8", 3/4"

AC 206
Height 19-1/2"
Width 13"

Aluminum Casting Designs

Gate / Rail Top or Wall Decor



AC 122
Height 12-1/2"
Width 31"



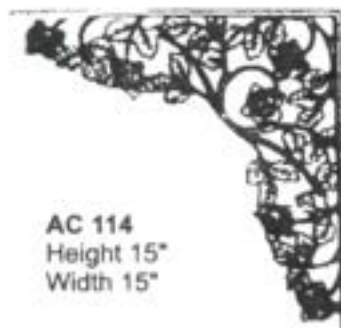
AC 153
Height 7"
Width 24 1/2"

Also makes a beautiful gate crown



AC 317
Height 17-3/4"
Width 18-1/2"

(2 Casting Illustration)



AC 114
Height 15"
Width 15"



AC 248
Height 6"
Width 27-1/2"



AC 202
Height 5"
Width 21-1/2"

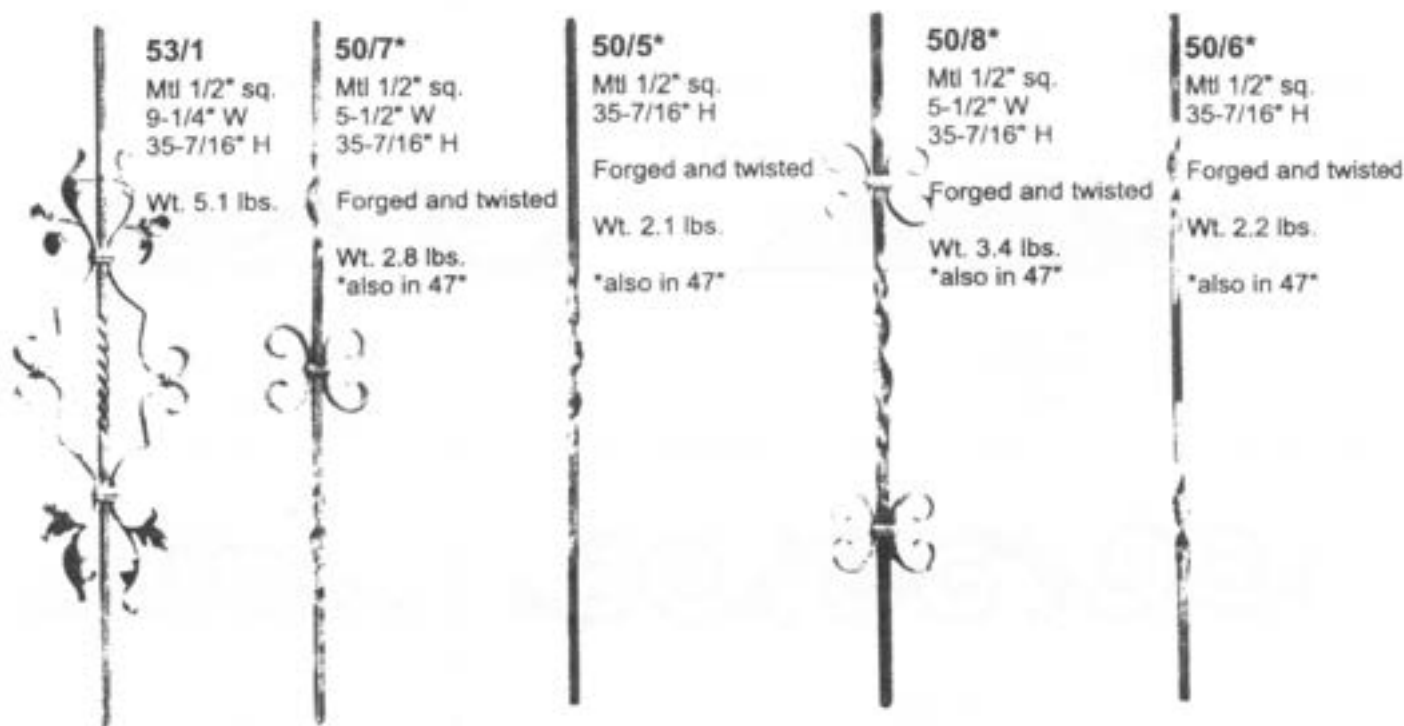
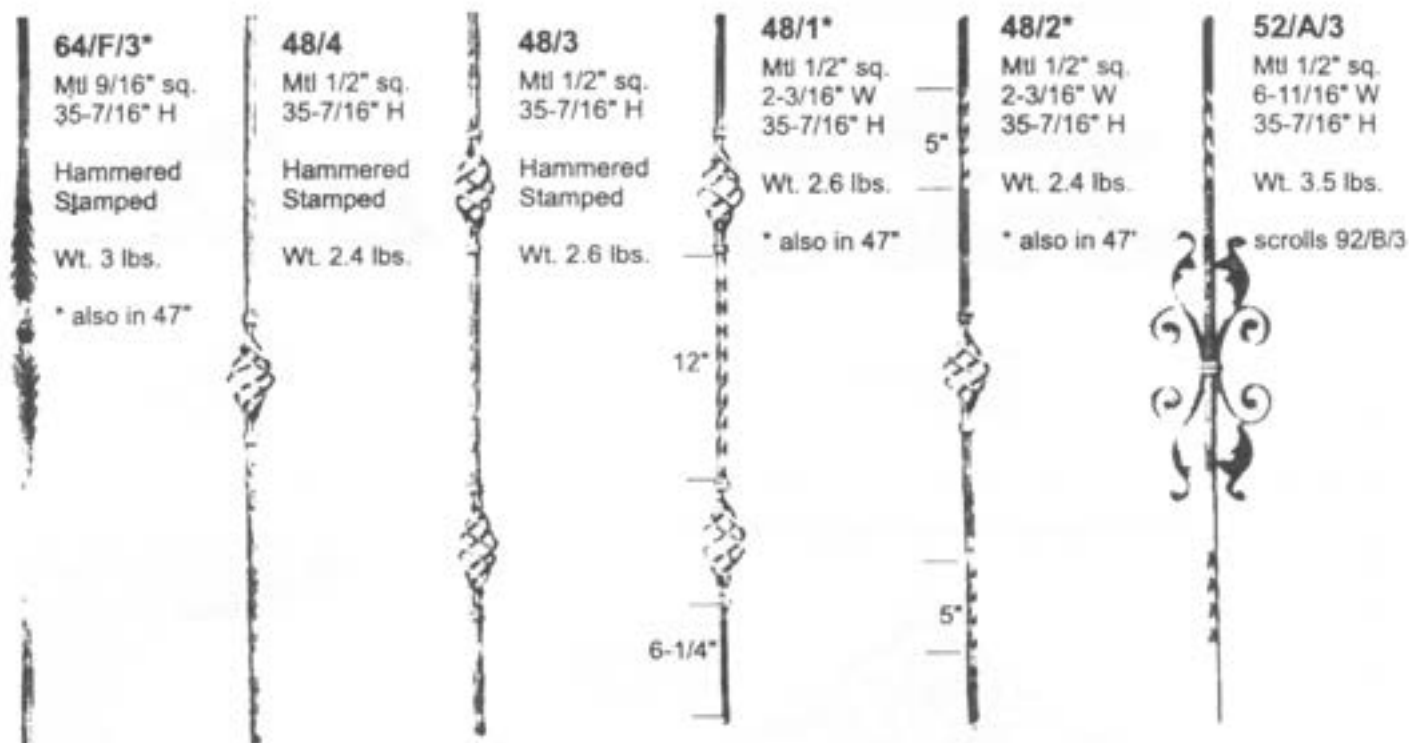


AC 258
Height 4-1/8"
Width 31-5/8"



AC 137
Height 6"
Width 23"

Hand-Forged & Twisted Balusters



Stair and Rail Balusters



52/2
Mtl 1/2" sq.
9-1/4" W
35-7/16" H
Grooved bar
Wt. 5.5 lbs.
Good match
118/H/1
118/H/2



64/A/2
Mtl 1/2" sq.
10-1/4" W
35-7/16" H
Wt. 5 lbs.



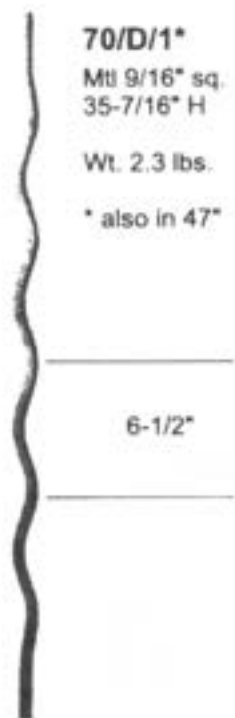
52/A/4S*
Mtl 1/2" sq.
7-1/2" W
35-7/16" H
Wt. 4 lbs.
*also in 47"



64/1/2*
Mtl 9/16" sq.
35-7/16" H
Wt. 3.6 lbs.
* also in 47"



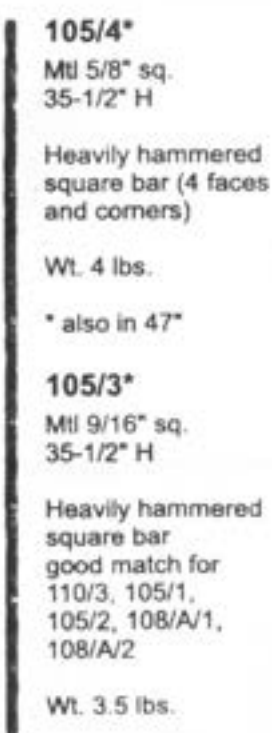
64/1/3*
Mtl 9/16" sq.
35-7/16" H
Bushing 128/2
Wt. 3.3 lbs.
* also in 47"



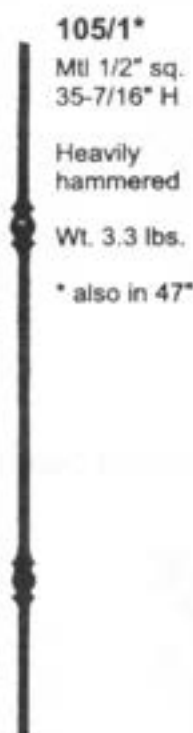
70/D/1*
Mtl 9/16" sq.
35-7/16" H
Wt. 2.3 lbs.
* also in 47"



98/1*
Mtl 1-3/4" sq.
35-7/16" H
Tapered
Wt. 4.1 lbs.
* also in 47"



105/4*
Mtl 5/8" sq.
35-1/2" H
Heavily hammered
square bar (4 faces
and corners)
Wt. 4 lbs.
* also in 47"



105/1*
Mtl 1/2" sq.
35-7/16" H
Heavily
hammered
Wt. 3.3 lbs.
* also in 47"

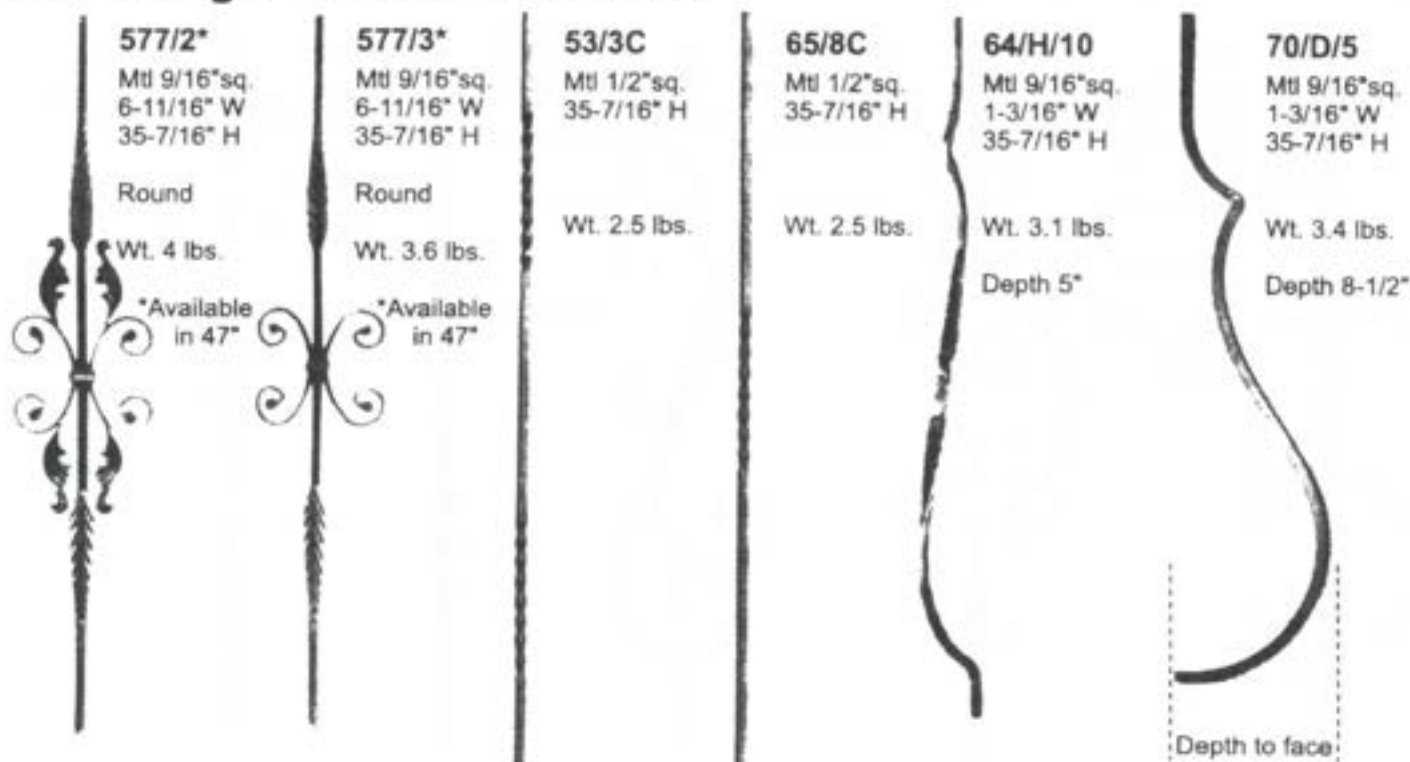


105/2*
Mtl 1/2" sq.
35-7/16" H
Heavily
hammered
Wt. 3 lbs.
* also in 47"



60 - 3
Mtl 1/2" sq.
35-7/16" H
Wt. 4lb.

Hand-Forged & Twisted Balusters



Gold Forged Bars with Hammered Edges on Four Sides

	<i>Mtl</i>	<i>Stock Length</i>	<i>Wt.</i>
118/1	1/2" sq.	20'	17 lbs.
118/3	5/8" sq.	20'	30 lbs.
118/5	3/4" sq.	20'	38 lbs.
118/6	1" sq.	20'	68 lbs.



Gold Forged Tubes with Hammered Edges on Four Sides



	<i>Mtl</i>	<i>Stock Length</i>	<i>Wt.</i>
118/E/1	3/4" sq.	20'	20 lbs.
118/E/9	1" sq.	20'	22 lbs.
118/E/3	1-1/4" sq.	20'	31 lbs.
118/E/6	2x1-3/16 Rectangle	20'	42 lbs.

Forged Flower Panels



0.7 Lbs

6101

R3-1/2"x12"



1.6 Lbs

6102

5-1/2"x18"



Sq. 9/16"

6143

4-3/8"x35-1/2"
4.1 Lbs



4.6 Lbs

6146A

8-1/4"x35-1/2"



4.3 Lbs

6164/8

6"x35"
9/16"x9/16"



24"x28"-3/4

6182

21.5Lbs



25"x27-1/2"

6183

19Lbs

Forged Flower Panels



6108/1

20"x26" 19.1 Lbs



6108/2

20"x26"



6110/1 6110/2

22"x22"

15.7 Lbs



6185/1 6185/2

19"x26" 18.3 Lbs



6109/2

19"x27" 26.9Lbs



6109/2

19x27"



6145/1

20"x36" 14.2Lbs



6145/2

20"x36"



5516

16" x 19" 8.3 Lbs



6106/1

6" x 23"

3.3 Lbs



6106/2

6" x 23"

3.3 Lbs



6171

R10 1.8 Lbs



5424

1/4" x 7/8"

5.1 Lbs

28-1/2"x 9"



5217

3.5 Lbs

5" x 8"



6184/1

19" x 26"



6184/2

19" x 26"



2.5 Lbs B48

5218

3" x 4-1/2"



5418

30" x 9"

1/4" x 7/8"

6.8 Lbs

Forged Flower Design



11.5 Lbs
18-1/2" x 22"

6196



5-1/2" x 18"
1.6 Lbs

6102



0.7 Lbs
R3-1/2" x 12"

6101



6.7 Lbs

6187 20" x 23"



8 Lbs

15-1/4" x 19"

6191



14 Lbs

22" x 23"

6195



6186/1

6186/2

10 Lbs

18" x 20-1/2"



7 Lbs

6193

15-1/4" x 15-1/2"



7 Lbs

6190 13-1/2" x 20"

Forged Flower Design



16.5 Lbs
22" x 25" **6188**



19 Lbs
6181 24" x 27"



6189
10.3 Lbs
18-1/2" x 20-3/4"



13 Lbs
17" x 25" **6192**



836
5217
5" X 8" 3.5 Lbs



12 Lbs
6194 19-1/2" x 25-1/4"

Forged Steel Scrolls



3/16" x 1/2"

5124A

2-5/8" x 6"

0.37 Lbs

5124B

2-3/4" x 7-5/8"

0.4 Lbs

3/16" x 1/2"

5124D

4-1/2" x 11"

0.66 Lbs

5124C

4" x 10"

0.6 Lbs



5112C

4" x 5-1/8"

3/16" x 1/2"



5112B

2-3/4" x 4-1/4"

0.28 Lbs



5125C

4-1/2" x 11"

0.64 Lbs



5249 5250

5-1/4" x 16-1/4"
1/2" x 1/4" 1.7 LBS



5245 5246

5-1/8" x 8" .85 LBS

1/2" x 1/4"



5253 5254

5" x 7" .7 LBS

1/2" x 1/4"



5251 5252

9-3/4" x 20" 1.8 LBS

1/2" x 1/4"



5474 5475

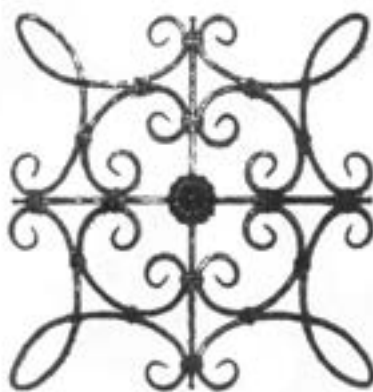
9-3/8" x 12" 2.7 LBS

1/2" x 1/4"



5118

4-1/2" x 7" 2.8 Lbs



22.5 Lbs

26" x 26"

5515

1/2" sq.

hammered



R9/16"

5504

22-1/4" x 22-1/4"

28.5 Lbs



BK-24
1"



BK-20
3/4"



BK-16
5/8"



BK-14
9/16"



BK-12
1/2"



5165
3-3/4"

Pressed Steel Accessory



2182
100 X 3



2181
70 X 3



2180
90 X 3



2177
65 X 3



2179
50 X 3



2178
50 X 3



2176
65 X 3



2183
75X70X3



2187
90 X 3



3124
105 X 4



2142
200X60X2



2162
50X140X2



2160
60X60X1



2114
80X61X3



2120
116X2



2141



2149
80X135X3



2115
117X42X3



2113
63X66X3

Cast Iron Knuckles



209R
1/2" 5/8" 3/4"



209
1/2" 5/8" 3/4"



201-1/2"



201-5/8"



204-1/2"



208R-5/8"



538R-1/2"
1-5/8x2-3/4" 250G



536R-1/2"



536 1/2" 5/8"



536-3/4"
2"x2-3/4" 310G



536R-5/8"
1-7/8"x2-3/4" 300G



517R1/2"
517R5/8"



518-6/8"
1-7/8"x2" 280G



507R 5/8"
507R 3/4"



229 1/2" 5/8"
2"x1-3/4" 280G



219R - 5/8"
2-1/2" x 2-5/8"



252-1/2" 5/8"
1-5/8x2/5/8" 300G



250R 1/2"



250 1/2"
250 5/8"



B114 R1-1/4"
B112 R1-1/2"
B2 R2"



250R6/8"



B20F R 3/4"



519R1/2"



258R 3/4"



258R 5/8"



258R 1/2"



259R 5/8"



268R6/8"



269R5/8"



254R 1/2"



253R 1/2"

Heavy-Gauge Floral Elements



116/A/3
Mtl 1/8"
3-3/4" dia.
Wt. 0.37 lb.



136/1
Mtl 3/16"
1-9/16" W
4-5/16" H
Right Hand
Wt. 0.15 lb.



136/2
Left Hand
Wt. 0.15 lb.

136/3
Mtl 3/16"
2-3/4" W
2-3/8" H
Right Hand
Wt. 0.15 lb.



136/4
Left Hand
Wt. 0.15 lb.

136/10
Mtl 11 Gauge
2-3/4" W
6-1/4" H
Right Hand
Wt. 0.28 lb.

136/11
Left Hand
Wt. 0.28 lb.



159/1
Fits 3/8" sq.
1-3/8" W
3-1/2" H
Wt. 0.11 lb.

159/3
Fits 1/2" sq.
2-3/8" W
5-1/8" H
Wt. 0.46 lb.

159/4
Fits 1/2" or
9/16" sq.
2-3/8" W
5-1/8" H
Wt. 0.46 lb.



159/5
Fits 5/8" sq.
2-9/16" W
5-11/16" H
Wt. 0.9 lb.

159/6
Fits 3/4" sq.
3-1/8" W
6-1/2" H
Wt. 1.8 lbs.

159/7
Fits 1" sq.
3-3/4" W
7-1/16" H
Wt. 2.68 lbs.



673/2 (new)
2032/4 (old)

3-1/2" W
6-11/16" H
Same as
140/H/2 without leaf
Wt. 4.4 lb.



812/13
To be used
with MCRW



140/3
1-7/16" W
3-1/8" H
Wt. 0.2 lb.



BNA
1/2"
2-1/2" W
5-3/4" H



140/H/2
3-9/16" W
6-11/16" H
Wt. 2 lb.



SP 251 H
1/2", 5/8"



SP 1491-1
1-3/8" W
2" H
HOLE: 1/2", 5/8"

Spheres: Forged

Our forged spheres have a "rougher" texture than the hot-stamped; truly authentic!



C1B-B34
3/4"

C1B-B1
1"

C1B-B112
1-1/2"

C1B-B2
2"

117/8
2-3/8" dia.

117/9
2-3/4" dia.

Spheres: Hot-Stamped

Smooth, weldable hot-stamped spheres for almost infinite uses.

F-116
3/4" dia.

F-11611
1" dia.

F-116/2
1-1/2" dia.

F-116/3
2" dia.

116/F/8
3-1/8" dia.

116/F/10
4" dia.



Forge Steel Scrolls



FS-2013
45 x 30



FS-2014L
45 x 30



FS-2008
39 x 17-1/2



FS-2009
39 x 17-1/2



FS-2006
24 x 9



FS-2007
24 x 9



FS-2005-1
22 x 12-1/4



FS-2005
22 x 12-1/4



FS-1009
10-3/4 x 8



FS-1008
10-3/4 x 8



FS-1011
6-1/4 x 4-1/2



FS-1010
6-1/4 x 4-1/2



FS-1017
35-1/2 x 13-1/4

Forge Steel Scrolls



FS-2012
17 x 15



FS-2001
20-1/2 x 17



FS-2011
17-1/4 x 17-1/4



FS-2003
32-3/4 x 33-1/2



FS-2004
18-3/4 x 17-1/2



FS-2002
26-1/2 x 26-1/2



FS-3003
9-1/2" TALL



FS-3002
6" TALL



FS-1001
10-1/4" TALL

FS-1002
10-1/4" TALL



STELL HOLLOW BALL
ITEM: SHB (1-1/2", ~6)
CAST IRON SOLID BALL
ITEM: BALL (1, 1-1/2)



HSB: HOLLOW STEEL BALL
SIZE (1-3/4 x 2)
FIT (1", 1-1/2")



HSB2WH
(1-3/4 x 2)

Scrolls



80 - A - 1

Mtl 1/2" x 1/4"
Width: 4-5/16"
Height: 10-5/8"
Weight: .75 lbs.
Hammered end matches 80A-3



80 - A - 3

Mtl 1/2" x 1/4"
Width: 2-3/8"
Height: 4-5/16"
Weight: .3 lbs.
Hammered end matches 80A-1



80 - A - 9

Mtl 1/2" x 1/4"
Width: 2-3/4"
Height: 4-1/8"
Weight: .4 lbs.



80 - A - 10

Mtl 1/2" x 1/4"
Width: 3-3/4"
Height: 5-1/2"
Weight: .5 lbs.



80 - A - 11

Mtl 1/2" x 1/4"
Width: 2-9/16"
Height: 5-15/16"
Weight: .4 lbs.



80 - A - 12

Mtl 1/2" x 1/4"
Width: 2-3/4"
Height: 7-1/2"
Weight: .5 lbs.



89 - 4

Mtl 5/16" x 5/16"
Height: 2-3/16"
Weight: .5 lbs.



84 - 7

Mtl 3/4" X 1/4"
Width: 5-15/16"
Height: 8-7/8"
Weight: 1.6 lbs.

Cast Steel



JCS-18L JCS-18R
9-1/4 x 5-1/8 9-1/4 x 5-1/8



JCS-12L JCS-12R
8-1/4 x 4 8-1/4 x 4



JCS-13L JCS-13R
9-1/4 x 4-1/4 9-1/4 x 4-1/4



JCS-14L
6 x 5-1/2



JCS-14R
6 x 5-1/2



JCS-15L
5 x 4-1/2



JCS-15R
5 x 4-1/2



CAST STEEL
XS-1
7-1/4 x 3-3/4



CAST STEEL
XS-2
5-1/4 x 4-1/2



FORGE STEEL
FS-1012
7-1/4 x 6-3/8



CAST STEEL
JCS-17
10-1/4 x 3-3/4



FORGE STEEL
FS-1004
15-1/2 x 5-1/4



FORGE STEEL
FS-1003
13 x 3-1/4



FORGE STEEL
FS-1005
7-1/2 x 2-1/4



CAST STEEL
G15R
6-1/2 x 6-1/2

Force Casting



JCS-2
11 x 2-1/8



FORGE STEEL
FS-3004
4-1/2" TALL



CAST STEEL
JCS-16
5-1/2 x 2-3/4



JCS-20
5-3/8 x 2



JCS-6
4-3/4 x 1-3/4



JCS-7
5-1/2 x 4-1/2



JCS-8
5 x 2-7/8



JCS-9
3 x 1-5/8



JCS-1
5 x 3



JCS-3
6-3/4 x 4-3/4



JCS-4
4-3/4 x 4-1/2



LCI-1
5-1/8 x 2-3/4 ROUND
BASE 1-1/2"

Rosettes



R-110
4-1/8 x 4-1/8



3112 & 3158
FITS 1/2" & FITS 5/8"



XB-6
FITS 1/2" ROUND



STAR
SIZE: 3" - 6"



R-109
13-3/8 x 6-3/4



R-108
9-1/2 x 3-3/4



R-111
6-1/8 x 6-1/8



R-113
3-1/4 x 3-1/4



XB-3
FITS 1/2" ROUND



R-103
9-1/2 x 9-1/2



R-104
7-3/4 x 7-3/4



R-112
6-1/4 x 6-1/4



R-105
4-1/2 x 4-1/2



R-107
3-1/8 x 3-1/8



R-106
3 x 3



R-114
4-1/2 x 4-1/2



R-102
2-5/8 x 2-5/8



R-101
3-3/4 x 3-3/4

Light Medium Duty Casters



■ Features

- Heavily embossed, formed steel double cup.
- Double row ball bearing swivel raceway construction.
- Finish: Bright zinc or chrome plated.



APPLICATIONS:

Stock carts, bakery racks, food service equipment, etc.

SIZE:

Rigid Wheel

2", 2-2/1", 3", 4", 5", 6", 8"

Swivel

2", 2-2/1", 3", 4", 5", 6"



CT3B 3"x1-1/4"

Rating: 250 Lbs

CT4B 4"x1-1/4"

Rating: 300 Lbs

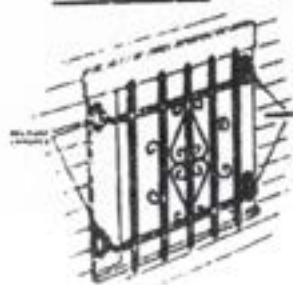
Swivel & Wheel

With Double Brake

Window Guard Releases

FOOT RELEASE

ITEM #: FRO



OUTSIDE VIEW

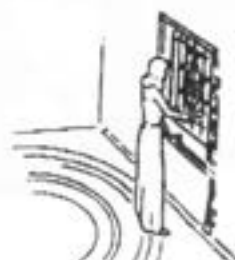


INSIDE VIEW

Easy Opened by a CHAIR
in Smoke Filled Room

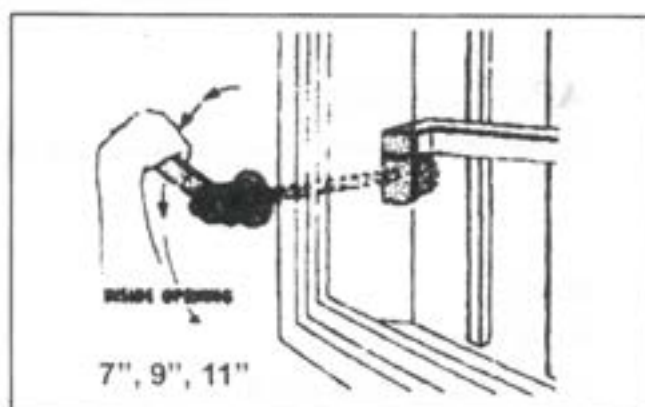
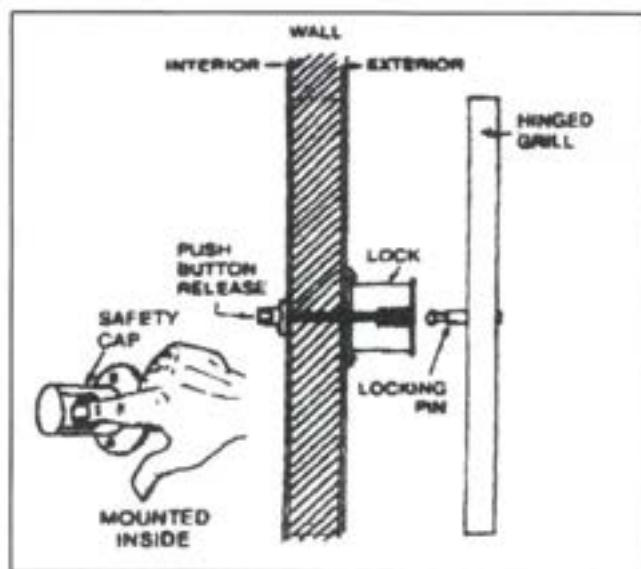


Easy Closed Just Pull Shur



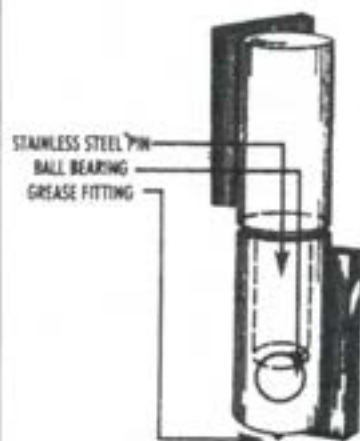
DELUXE PUSH BUTTON RELEASE

LEVER WINDOW GUARD EMERGENCY FIRE RELEASE



Hard Ware

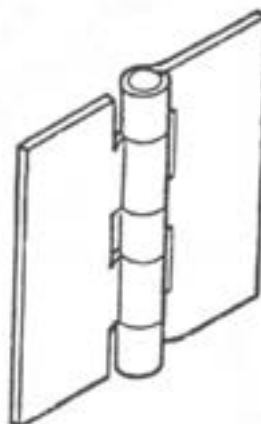
Barrel Hinges



ITEM	SIZE
BH - 7	7"
BH - 5	5"
BH - 3	3"

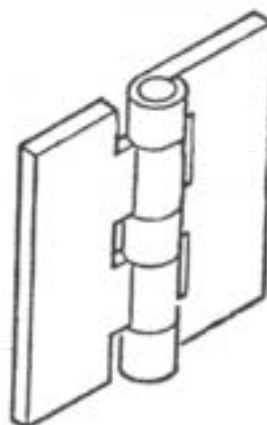
Stainless Pin
Ball Bearing
Grease Fitting

Weldble Hinges



ITEM	SIZE
WH 2	2 x 2
WH 3	3 x 3
WH 3120214	3-1/2 x 2-1/4
WH 312	3-1/2 x 3-1/2

Weldble Hinges (Heavy Duty)



ITEM	SIZE
WHH 3	3 x 3
WHH 4	4 x 4
WHH5	5 x 5
WHH6	6 x 6

Spring



ITEM	SIZE
SP 9	9"
SP 12	12"

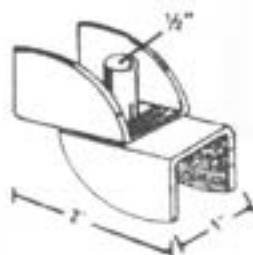
Bat Wing Hinges



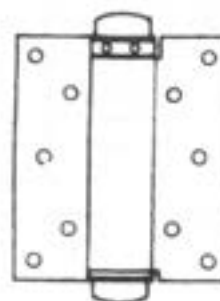
(Male)
BWM



(Female)
BWF



Spring Hinge



3-1/2" x 3-1/2"
4" x 4"

ITEM No: SH 4
SH 312

Hanger Bolt



HB

Gate Hardware

Slide Bolt



ITEM: SB

Gate Latch

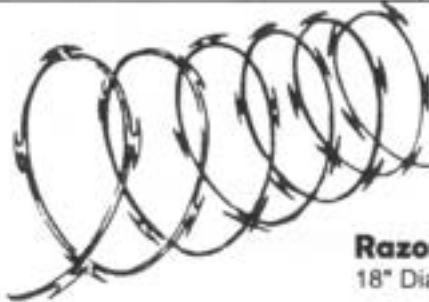


ITEM : GL

Cane Bolt



ITEM	SIZE
ECB 12	12"
ECB 18	18"
ECB 24	24"



Razor Wire
18" Dia. x 50Ft.

ITEM No. : RW

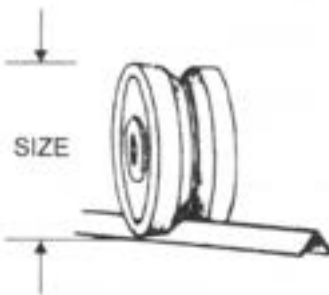
Tubing Ring



SIZE

ITEM	SIZE
TR 312	3-1/2"
TR 4	4"
TR 4-1/2"	4-1/2"
TR 5	5"
TR 5-1/2"	5-1/2"
TR 6	6"

V-Roller (Iron)



SIZE

ITEM	SIZE
VR 3	3"
VR 4	4"
VR 6	6"

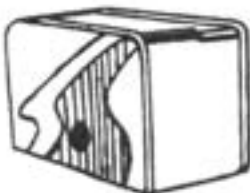
Rubber Roller



SIZE

ITEM	SIZE
RR 3	3"
RR 6	6"
RR 12	12"

V-Roller Box



ITEM	SIZE
VRB 4	4"
VRB 6	6"

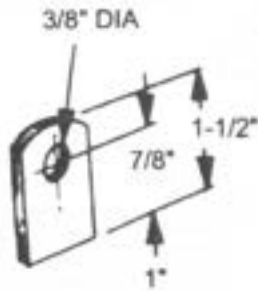
Spring Roller



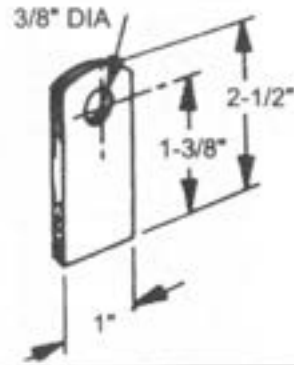
9-1/2"

ITEM SR

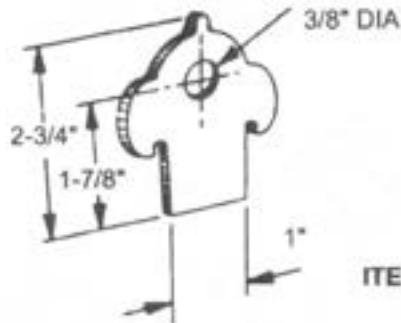
Hard Ware



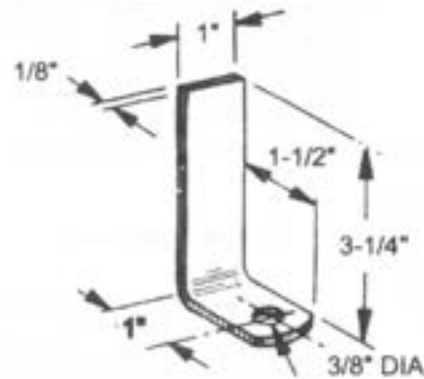
ITEM : WT 101



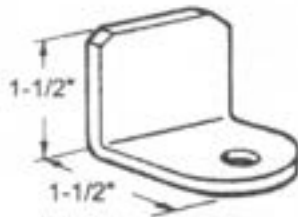
ITEM: WT 102



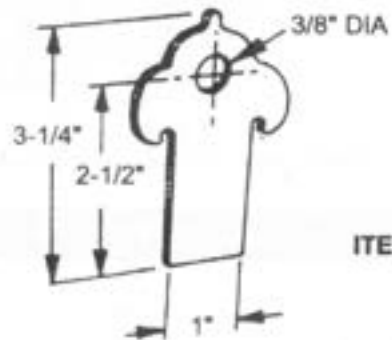
ITEM: WT 103



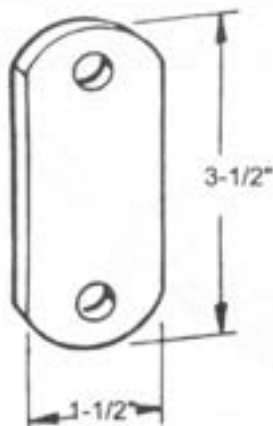
ITEM: WT 104



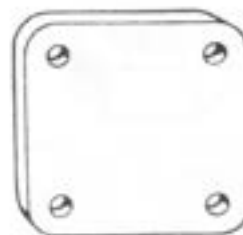
ITEM: WT 105



ITEM: WT 106



ITEM: WT 107



ITEM: WT 113 3" x 3"
WT 114 4" x 4"
WT 115 5" x 5"
WT 116 6" x 6"



ITEM: FSH 114 1-1/4" SQ
FSH 112 1-1/2" SQ



ITEM NO.: SP231

Cover Shows For

AC 231
1, 1-1/4, 1-1/2, 2

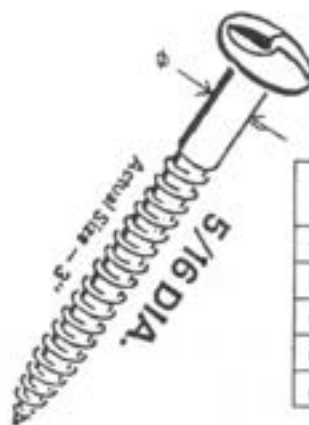
Hardware

Lag Screws



ITEM	SIZE	
	φ	LENGTH
HLS 516112	5/16	x 1-1/2
HLS 5162	5/16	x 2
HLS 516212	5/16	x 2-1/2
HLS 5163	5/16	x 3
HLS 5164	5/16	x 4
HLS 382	3/8	x 2
HLS 38212	3/8	x 2-1/2
HLS 383	3/8	x 3
HLS 38312	3/8	x 3-1/2
HLS 384	3/8	x 4
HLS 38412	3/8	x 4-1/2
HLS 123	1/2	x 3
HLS 124	1/2	x 4
HLS 125	1/2	x 5

One Way Screws

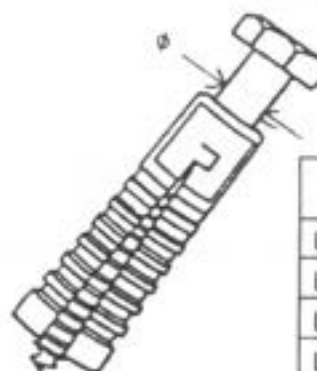


ITEM	SIZE	
	φ	LENGTH
OWS 516112	5/16	x 1-1/2
OWS 5162	5/16	x 2
OWS 5163	5/16	x 3
OWS 5164	5/16	x 4
OWS 5165	5/16	x 5



Sleeve Anchors

ITEM	SIZE	
	φ	LENGTH
SA 308178	3/8	x 1-7/8
SA3083	3/8	x 3
SA1203	1/2	x 3
SA1204	1/2	x 4



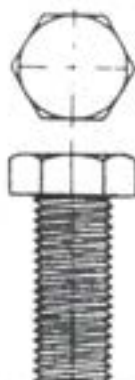
Lag Shields

ITEM	SIZE	
	φ	LENGTH
LS 516S	5/16	Shoot
LS 516L	5/16	Long
LS 38S	3/8	Shoot
LS 38L	3/8	Long

All Thread Rod

ITEM	SIZE	
	φ	LENGTH
ATR 12	1/2	x 10"
ATR 58	5/8	x 10"
ATR 34	3/4	x 10"
ATR 1	1	x 12"

Hex Tap Bolts



Hex Nuts



ITEM	SIZE
NUT 12	1/2"
NUT 58	5/8"
NUT 34	3/4"
NUT 1	1"

ITEM	SIZE
WSH 12	1/2"
WSH 58	5/8"
WSH 34	3/4"
WSH 1	1"



Washers

ITEM	DIAMETER	LENGTH		
HTB 112	1-1/2	2"	3"	
HTB 58	5/8	2"	3"	4"
HTB 34	1-3/4	2-1/2"	3-1/2"	4"

Hammer Drive Nails

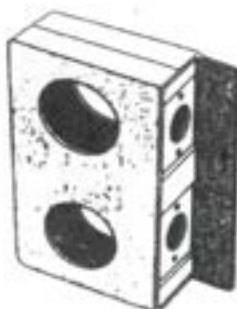


ITEM	SIZE
ND 1401	1/4 x 1
ND 140114	1/4 x 1-1/4
ND 140112	1/4 x 1-1/2
ND 1402	1/4 x 2

Gate Hardware



Lock Box



LBSF 1 (D=1")
LBDF 1 (D=1")
LBSF 112 (D=1-1/2")
LBDF 112 (D=1-1/2")



Lock Box



LBSB 1 (D=1")
LBDB 1 (D=1")

Hook Lock Box Assembly



ITEM
HLK (Doubled)
HLKS (Single)

Electric Release Box (Fit ER-1)



ITEM
ER-B

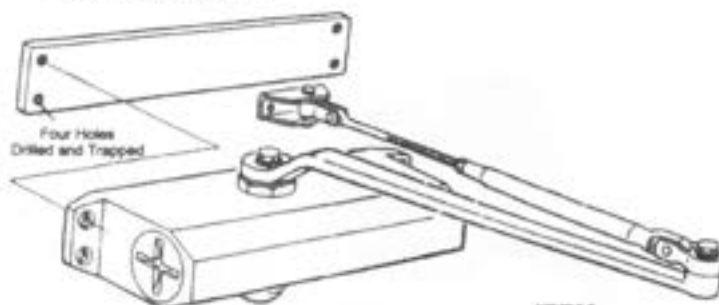
Door Closer



No. 1108

Door Closer

Mounting Plate
Weld Plate to Door



ITEM
DC430

One Wag Driver



ITEM OWD

ITEM OWA

Adapter For 1/2" sq. Drive

Heavy-Gauge Floral Elements



LKSS
Lock Single Stainless



LKDS
Lock Double Stainless



LKSB
Lock Single Brass



LKSB
Lock Double Brass

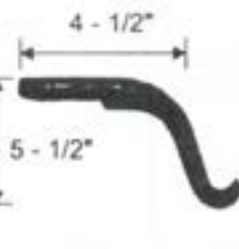


LKES
Lock Entrance Lock



LKCS
Lock Combo Stainless
(Entrance and Single Cylinder)

1-3/4 Molded Corer Rail & Accessories

Molded Cover Rail  MDR High Quality Steel 20" Length 102 lbs / ft	 CI 199L	 CI 199R	 CI 45
--	--	---	--

Molded Laterals . Brackets

How To Order Laterals And Channels (Channels And Laterals Are Sold Separately)  TO COMPLETE BOTH RIGHT & LEFT SIDES OF A STAIRCASE, ORDER: • 1 SET of Laterals and • 2 SETS of Channels TO COMPLETE ONE SIDE ONLY, ORDER: • Either a Left-Hand or Right-Hand Lateral and • 1 SET of Channels		LATERALS  L.H. R.H. L.H. R.H. CE 400 CE 2	
Each Lateral is Welded on Top of an Inverted Channel to Complete the Side. TYPICAL LEFT-HAND LATERAL SET UP:  Order a left-hand lateral plus a left-hand channel  Order as a right-hand channel TYPICAL RIGHT-HAND LATERAL SET UP:  Order a right-hand lateral plus a left-hand channel  Order as a left-hand channel		CHANNELS  L.H. R.H. L.H. R.H. CE 401 CE 1	

Tubular Handrail 14 Gauge Conforms in Shape to Conventional 1-3/4" Wide Molded Cover Rail Combined With 1" Channel  MDT	Cast Iron Height: 2 - 1/4" Width: 2 - 5/8"  CI 45T Plug 1/4" deep into tubular handrail. (Dimensions do NOT include plug.)	Cast Iron 4 - 1/4" End to End (Straight Line)  CI 99LT Plug 1/4" deep into tubular handrail. (Dimensions do NOT include plug.)	Cast Iron 4 - 1/4" End to End (Straight Line)  CI 199RT Plug 1/4" deep into tubular handrail. (Dimensions do NOT include plug.)
--	--	---	---

2-1/4" Wide Handrail & Accessories

CAST IRON



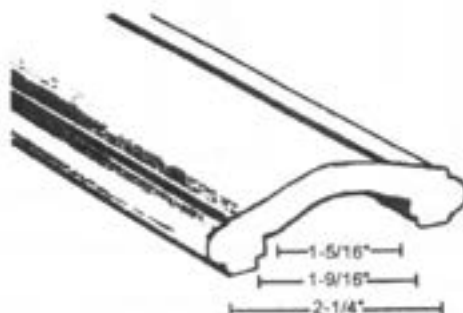
Molded Volute
CI 45LW

Height: 2-3/4"
Width: 4-3/4"

CI 45W

For 2-1 1/4" Wide Cover Rail

MDRW



HIGH QUALITY STEEL
to Fit 1-1/4" or 1-1/2" SQ or Channel

CAST IRON

FOR STRAIGHT RAIL

CI 199LW

Height: 4-3/4"
6" End to End
(Straight Line)



For 2-1 1/4" Wide Cover Rail

FORGED STEEL

Forged Steel Rail End



Height: 6-1/2"
Width: 11"

For 2-1/4" Wide Cover Rail

CAST IRON

FOR PITCHED RAIL

CI 199RW

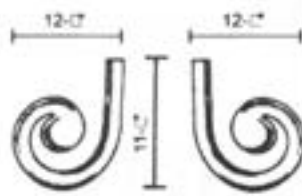


Height: 5"
6-1/2" End to End
(Straight Line)

For 2-1 1/4" Wide Cover Rail

Cast Iron

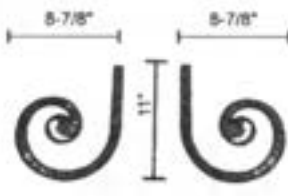
4.1 lbs Each



L CE 400W R
Molded Lateral

Cast Iron

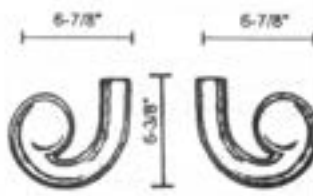
2.5 lbs Each



L CE 401W R
Molded Lateral

Cast Iron

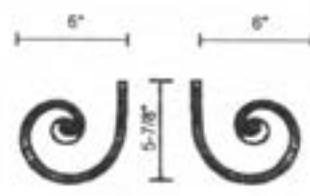
2.0 lbs Each



L CE 0W R
Molded Lateral

Cast Iron

1.1 lbs Each



L CE 1W R
Molded Lateral

All Tubing Sizes "O.D."



90° WELDABLE
ELBOWS

ITEM	SIZE
EBT 1	1
EBT 112	1-1/2"
EBT 2	2"

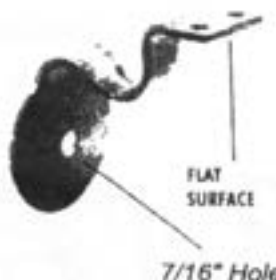
All Pipe Sizes "I.D."



90° WELDABLE
ELBOWS

ITEM	SIZE
EB 114	1-1/4"
EB 112	1-1/2"
	2"
	3"
	4"

Rail Bracket 1/8" Thick



ITEM BK
Height: 3-7/8"
Width: 2-3/4"

WELDABLE STEEL PIPE END-CAPS

Weld On & Grind Smooth



ITEM	SIZE
PEC 1	1.00"
PEC 114	1.25"
PEC 112	1.50"
PEC 2	2.00"
PEC 3	3.00"
PEC 4	4.00"

Railings



114-1

Mtl 9/16"
Width: 2-5/16"
Length: 78-3/4"
Weight: 28 lbs.



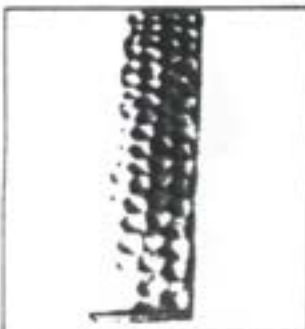
114-2

Mtl 9/16"
Width: 2-5/16"
Length: 78-3/4"
Weight: 28 lbs.



114-A-3

Mtl 1-7/8" x 5/8"
Length: 120"
Weight: 29 lbs.



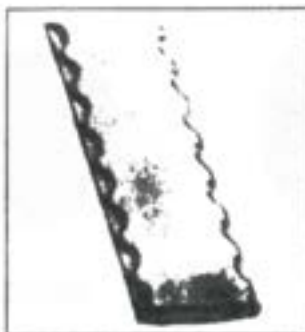
114-4

Mtl 5/16"
Width: 1-9/16"
Length: 118-1/8"
Weight: 16-1/2 lbs.



114-5

Mtl 5/16"
Width: 1-9/16"
Length: 118-1/8"
Weight: 16-1/2 lbs.



114-8

Mtl 5/16"
Width: 1-9/16"
Length: 118-1/8"
Weight: 16-1/2 lbs.



MCR 112

Wide Steel Handrail
Wide Series for 1-1/2"
Channel, flat or tube
Length: 20'
Weight: 42 lbs.



114-9

Mtl 5/16"
Width: 1-3/16"
Length: 118-1/8"
Weight: 12.8 lbs.

End Pieces For Handrails



116-10

Weight: 5 lb.



115-2

Weight: 4.5 lb.



0.3 Lbs

4176

2-3/4"x5"



0.85 Lbs

4174

2-3/8"x7"



0.65 Lbs

4197

2"x6-1/4"



0.6 Lbs

4175

2-1/4"x5-1/2"



0.55 Lbs

4425

2-3/4"x6"



B40F

R 1-9/16" 0.64 Lbs



B30S

R 1-3/16"



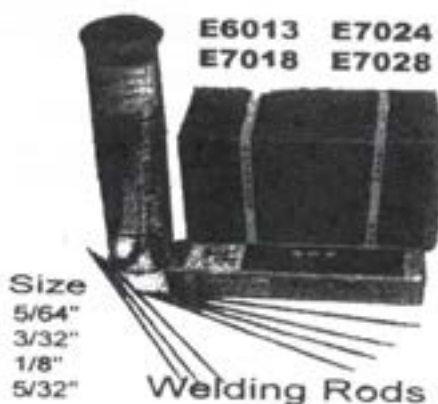
B25S

R 1"



B20F

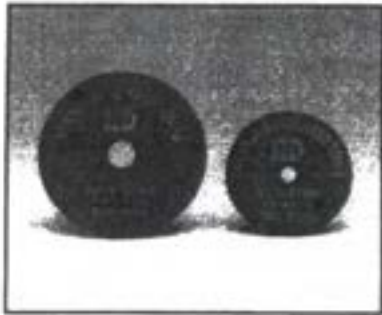
R 3/4"



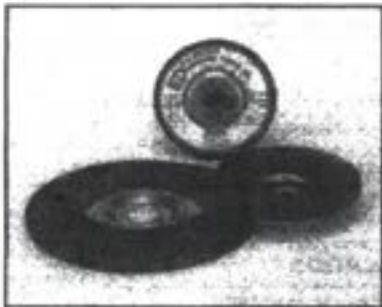
4129

4-1/2"x5-3/8"

Cutting Wheels & Grinding Wheels



ITEM	SIZE
CW 4	4 x 1/16 x 5/8
CW 5	5 x 1/16 x 7/8
CW 6	6 x 1/8 x 5/8



ITEM	SIZE	
LD45040	4-1/2 x 5/8	40
LD 45060	4-1/2 x 5/8	60
LD 45080	4-1/2 x 5/8	80
LD 45100	4-1/2 x 5/8	100



ITEM	SIZE
GW 4	4 x 1/4 x 5/8
GW 412	4-1/2 x 1/4 x 7/8
GW 5	5 x 1/4 x 7/8



ITEM	SIZE
GW A7	7 x 1/4 x 5/8
GW A9	9 x 1/4 x 5/8



ITEM	SIZE
CW7	7 x 1/8 x 1
CW 12	12 x 1/8 x 1
CW 14	14 x 1/8 x 1

Paint And Thinner

1 GALLON CANS



We recommend this paint be thinned 5 parts paint to 1 part thinner for spraying application. Possible adjustment required depending on local climate / humidity / spray equipment.

PAL 1	Gloss Aluminum	1GL
PBG 1	Gloss Black	1GL
PBP 1	Flat Black (Primer)	1GL
PBS 1	Semi Gloss Black	1GL
PGP 1	Gary Primer	1GL
PRO 1	Red Oxide Primer	1GL
PWG 1	Gloss White	1GL
PWP 1	Flat White (Primer)	1GL
PWS 1	Semi Gloss White	1GL

5 GALLON CANS



PBG 5	Gloss Black	5GL
PBP 5	Flat Black (Primer)	5GL
PBS 5	Semi Gloss Black	5GL
PGP 5	Gary Primer	5GL
PRO 5	Red Oxide Primer	5GL
PWG 5	Gloss White	5GL
PWP 5	Flat White (Primer)	5GL
PWS 5	Semi Gloss White	5GL

11 OZ. SPRAY CANS



Spray cans; color matches exactly to one and five gallon cans

PAL	Gloss Aluminum	Spray 11.02
PBG	Gloss Black	Spray 11.02
PBP	Flat Black (Primer)	Spray 11.02
PBS	Semi Gloss Black	Spray 11.02
PGP	Gary Primer	Spray 11.02
PRO	Red Oxide Primer	Spray 11.02
PWG	Gloss White	Spray 11.02
PWP	Flat White (Primer)	Spray 11.02
PWS	Semi Gloss White	



PTT 1
1 GL Paint Thinner



PTT 5
5 GL Paint Thinner

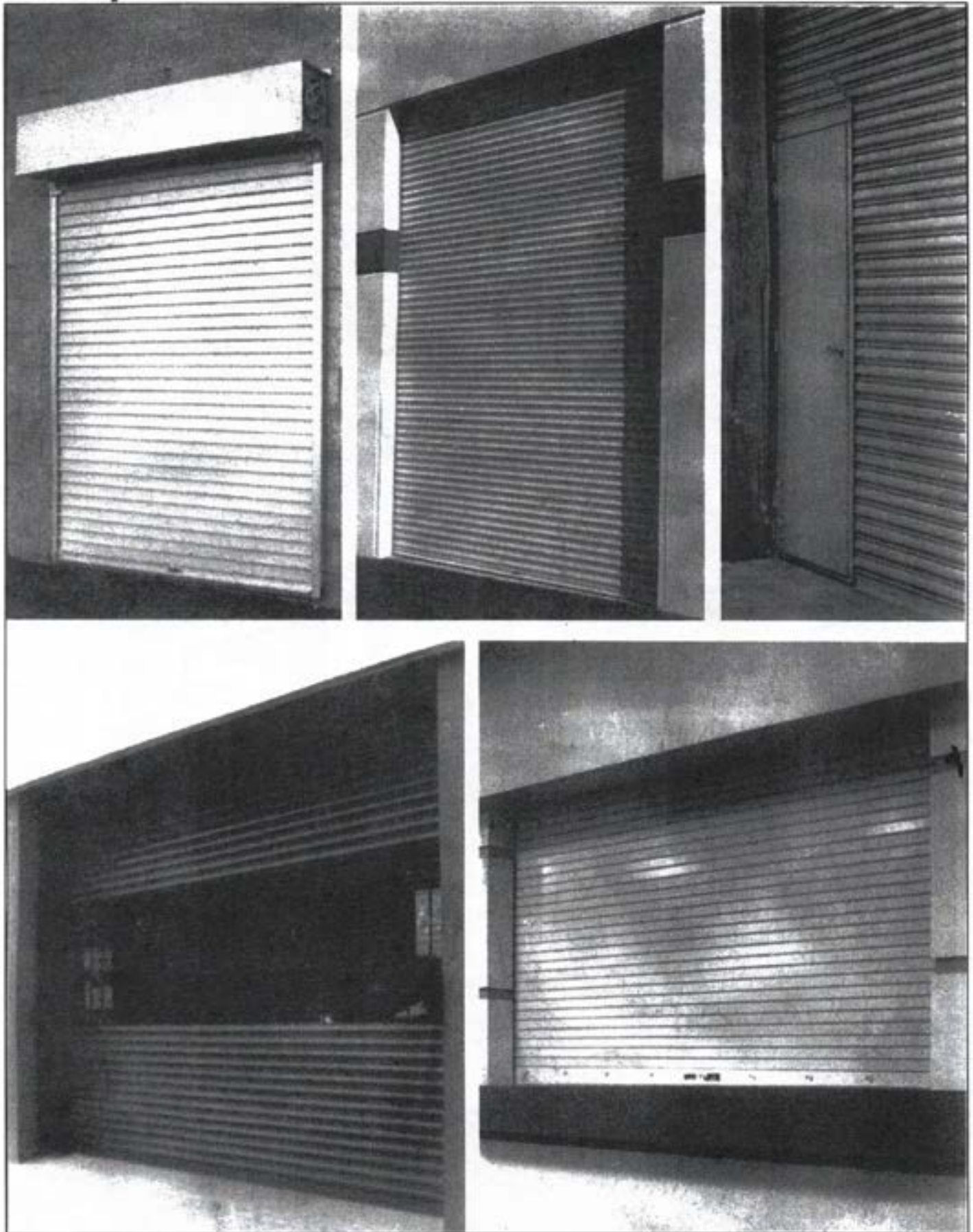


QSC
Anchor Cement 50lbs
Quick Sets in 15-30 mins



PTC 1
1 GL Tubins Cleaner

Roll Up Door



Roll Up Grill

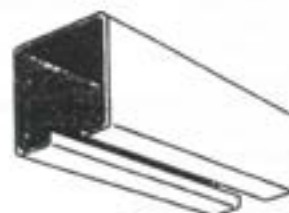


Folding Gate (Security Style)

Cadmium Plated
Steel Ball Bearing
Swivel Type Roller

ITEM: FG

Overhead Track
24' 14 GA

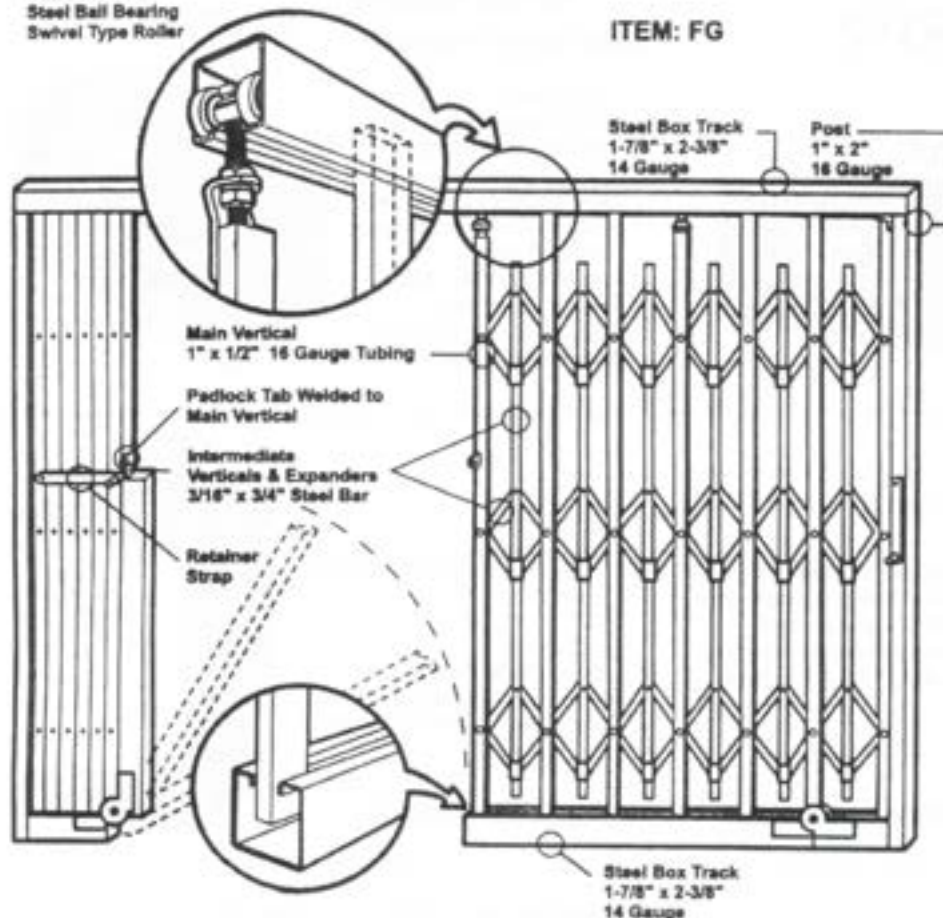


ITEM: OT 24

Carriage Wheel



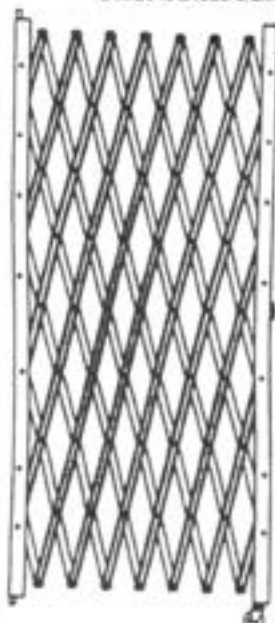
ITEM: OC 2



Lattice Style Gates

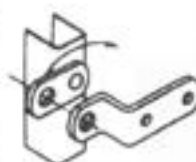
ITEM: FGL

Posts Are 16 GA Steel Channel With 1/2 Inch
Mounting Pins Lattice Bars Are
3/4 x 3/8 16 GA Steel Channel



Black Enamel
Finish
Electrostatic
Application

Zinc Plated
Universal Lock Tabs
Gate Tabs
Provides Allowing
Left Or Right Install
Front Or Rear Access



Zinc Plated
Ball Bearing Center



Limited Space
Top Or Bottom
Wall Mount
T-Tab



Standard
Top Wall Mount
L-Tab



Stand-Off
Wall Mount
L-Tab (Shown)
T-Tab Available



Standard
Bottom Wall Mount
L-Tab



Pedestal Mount
Installed Height
Matches Center
Height



Floor Pin Mount
1/2 Inch Hole
Drilled In Floor
Matches Center
Height

Available In Stock

6 Foot-Installed Height

Lattice Height 63-1/2" When Extended To Nominal Width

Part Numbers		Nominal Width		Maximum Extension		Stack Width	
Single	Double	Single	Double	Single	Double	Single	Double
2-6S	2-6D	4"	8"	46"	9"	7"	14"
3-6S	3-6D	4 1/2"	9"	52"	10 1/4"	7-3/4"	15-1/2"
4-6S	4-6D	5"	10"	51 1/2"	11 1/2"	8-1/2"	17"
5-6S	5-6D	6"	12"	68"	13 1/4"	9-1/4"	18-1/2"
6-6S	6-6D	7"	14"	75"	14 1/2"	10"	20"
7-6S	7-6D	7 1/2"	15"	81"	16 1/2"	10-3/4"	21-1/2"

7 Foot-Installed Height

Lattice Height 75" When Extended To Nominal Width

Part Numbers		Nominal Width		Maximum Extension		Stack Width	
Single	Double	Single	Double	Single	Double	Single	Double
2-7S	2-7D	4"	8"	45"	8 1/2"	7-3/4"	15-1/2"
3-7S	3-7D	4 1/2"	9"	51"	10 1/2"	8-1/2"	17"
4-7S	4-7D	5"	10"	59"	11 1/2"	9-1/4"	18-1/2"
5-7S	5-7D	6"	12"	64"	12 1/2"	10"	20"
6-7S	6-7D	6 1/2"	13"	7"	14"	10-7/8"	21-3/4"
7-7S	7-7D	7"	14"	7 1/2"	15 1/2"	11-1/2"	23"

Additional sizes are available. Please call for information and pricing.

Gate Operators And Accessories

Power Master Swing Gate Operator

RSW

- 115V, Only
- 1/2 HP Motor with Overload Protection
- On/Off Power Switch
- Can be wired as Master/Slave
- For use on Residential Swing Gates (Up to 10' Wide, Max. Weight 300 Lbs.)
- Universal Left or Right Hand Mounting



Power Master Slide Gate Operator

RSG

- 115V, Only
- 1/2 HP Instant Reversing
- On/Off Power Switch
- Can be wired as Master/Slave (optional)
- For use on Residential Swing Gates (Up to 14' Wide, Max. Weight 300 Lbs.)
- Universal Left or Right Hand Mounting



ITEM: EL3000

- Easy Gate Release
- 18' / 600 lbs Maximum Gate
- On/Off Power Switch
- Two-way Reverse Sensing
- 0-60 Sec. Timer to Close

ITEM: EL200

- Easy Gate Release
- Two-way Reverse Sensing
- 0-60 Sec. Timer to Close



Elite Commercial Swing Gate Operators

Residential Actuator 1 or 2

- Motor - 24v DC, 30 amp.
- Capabilities - Maximum gate size 15' wide, 600 lbs.
- Close outside or Open outside Close inside
- Two-way Reverse Sensing
- Timer - Can be set from 0 to 60 seconds.



EL - MIR 2

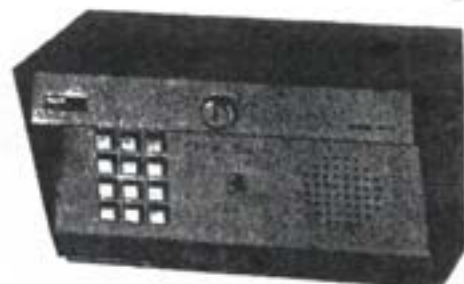
Sliding Gate Operators

AGS 900

- Soft Start/Stop protection for mechanical parts is provided.
- Post Mount Installation is Standard.
- Internal safety sensors.
- Adjustable obstruction sensing in both opening and closing directions.
- Emergency manual operation with key.



**Door King
1812**



Phone Entry System (PES)

50 Cap. Residential only, stainless steel faceplate

Multi-Code Radio Controls

ITEM: TRA



REC2 (12V)
REC3 (24V)
REC4 (24V)

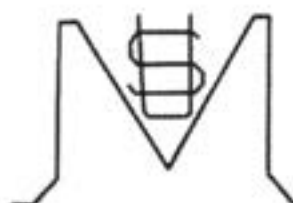
Bending, Punching, Service

Type BA-4 electric tube curved machine			
Technical Parameter		Main axial rotational speed: 15 (r/s)	
Item		Diameter: mm	thickness: mm
Tube material curved	Circular Tube	Φ 0.95-76	0.4-2.5
	Square Tube	10x10-75x45	0.5-2.5
Curved radius		R:60-5000	
Main motor Power		4 (Extremity)1.5kw. 2.2kw 380v 50HZ	



Metal circular saw machine (type300)	
Main axial rotational speed: (Double speed) :	
58/120 (r/s)	
Technical Parameter	Item
Max opening	110mm
Using saw	Φ 250-300mm
Cooling water pump	380v 40w
Main motor power	1.3x1.8kw

Cutter angle processing	Straight cutting	Slope cutting
○	80	50
L	75x75	50x50
□	75	55x55
▭	80	55x55
●	40	35
■	40	35

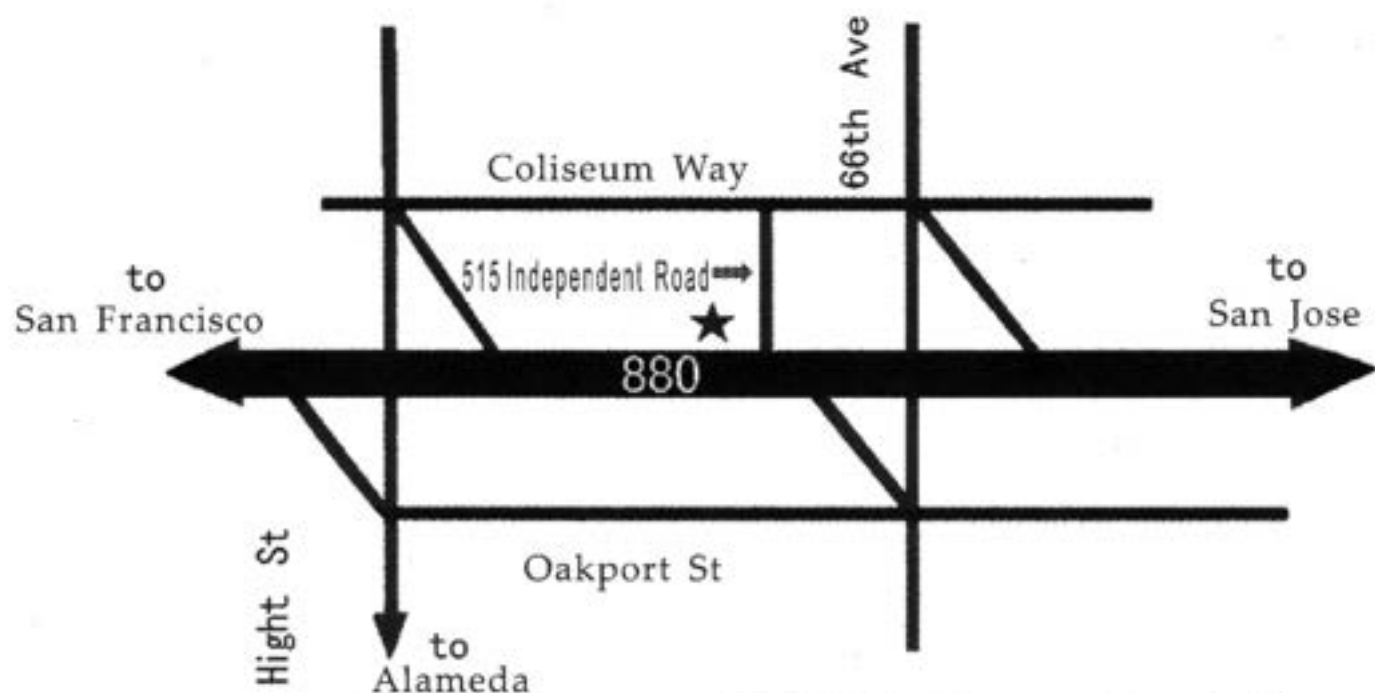


USA Metals LLC

STEEL DISTRICT

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