# 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

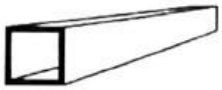


| ITEM | SIZE | LENGTH |
|---|---|---|
| ST1218 | 1/2" x 1/2" x 18GA | 20' |
| ST1216 | 1/2" x 1/2" x 16GA | 20' |
| ST5818 | 5/8" x 5/8" x 18GA | 20' |
| ST5816 | 5/8" x 5/8" x 16GA | 20' |
| ST581624 | 5/8" x 5/8" x 16GA | 24' |
| ST3418 | 3/4" x 3/4" x 18GA | 20' |
| ST3416 | 3/4" x 3/4" x 16GA | 20' |
| ST341624 | 3/4" x 3/4" x 16GA | 24' |
| ST3414 | 3/4" x 3/4" x 14GA | 20' |
| ST118 | 1" x 1" x 18GA | 20' |
| ST116 | 1" x 1" x 16GA | 20' |
| ST114 | 1" x 1" x 14GA | 20' |
| ST111 | 1" x 1" x 11GA | 20' |
| ST11416 | 1-1/4" x 1-1/4" x 16GA | 20' |
| ST11414 | 1-1/4" x 1-1/4" x 14GA | 20' |
| ST11411 | 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)

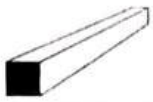



| ITEM | SIZE OUTSIDE DIMENSIONS | WALL THICKNESS |
|---|---|---|
| TS42250 | 4" X 2" | 0.250 |
| TS42313 | 4" X 2" | 0.313 |
| TS43250 | 4" X 3" | 0.250 |
| TS43313 | 4" X 3" | 0.313 |
| TS52250 | 5" X 2" | 0.250 |
| TS52313 | 5" X 2" | 0.313 |
| TS54250 | 5" X 4" | 0.250 |
| TS54313 | 5" X 4" | 0.313 |
| 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

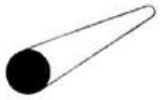
## Solid Square Bar



| 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



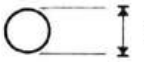
| ITEM | SIZE | LENGTH |
|---|---|---|
| RB14 | 1/4" | 20' |
| RB38 | 3/8" | 20' |
| RB12 | 1/2" | 20' |
| RB58 | 5/8" | 20' |
| RB34 | 3/4" | 20' |
| RB1 | 1" | 20' |
| RB114 | 1-1/4" | 20' |
| RB112 | 1-1/2" | 20' |
| RB2 | 2" | 20' |

## 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' |

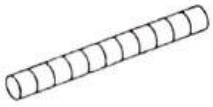
all size are available




| 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 | |

## Re-Bar

(Concrete Reinforceing 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

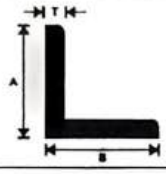



| ITEM | SIZE | O.D | LENGTH |
|---|---|---|---|
| BP40112 | 1-1/2" x sch40' | 1-7/8" | 21' |
| BP402 | 2" x sch40' | 2-3/8" | 21' |
| BP40212 | 2-1/2" x sch40' | 2-7/8" | 21' |
| BP403 | 3" x sch40' | 3-1/2" | 21' |
| BP40312 | 3-1/2" x sch40' | 4" | 21' |
| BP404 | 4" x sch40' | 4-1/2" | 21' |
| BP405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

## 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" |

| ITEM | Angle size A | B | T |
|---|---|---|---|
| AB214 | 2" x | 2" x | 1/4" |
| AB212316 | 2-1/2" x | 2-1/2" x | 3/16" |
| AB2121/4 | 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" |

all size are available

# 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" |

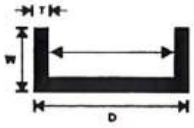
| ITEM | SIZE |
|---|---|
| FB1410 | 1/4" X 10" |
| FB14012 | 1/4" X 12" |
| FB121 | 1/2" X 1" |
| FB12114 | 1/2" X 1-1/4" |
| FB12112 | 1/2" X 1-1/2" |
| FB122 | 1/2" X 2" |
| FB123 | 1/2" X 3" |
| FB124 | 1/2" X 4" |
| FB125 | 1/2" X 5" |
| FB126 | 1/2" X 6" |
| FB128 | 1/2" X 8" |
| FB12012 | 1/2" 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)





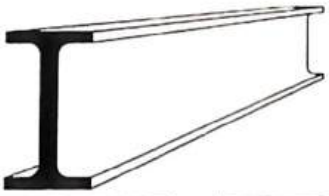

| ITEM | SIZE | D | W | T |
|---|---|---|---|---|
| CB101218 | 1"x1/2" | 1" | 1/2" | 1/8" |
| CB11401218 | 1-1/4"x1/2" | 1-1/4" | 1/2" | 1/8" |
| CB11201218 | 1-1/2"x1/2" | 1-1/2" | 1/2" | 1/8" |
| CB11203418 | 1-1/2"x3/4" | 1-1/2" | 3/4" | 1/8" |
| CB20118 | 2"x1" | 2" | 1" | 1/8" |
| CB201316 | 2"x1"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

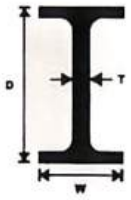
| ITEM | SIZE | D | W | T |
|---|---|---|---|---|
| CB4 | 4" | 4.5 | 1.560 | .140 |
| CB5 | 5" | 6.7 | 1.750 | .190 |
| CB6 | 6" | 8.2 | 1.920 | .200 |
| CB8 | 8" | 11.5 | 2.260 | .220 |
| CB10 | 10" | 15.3 | 2.600 | .240 |
| CB12 | 12" | 20.7 | 2.940 | .280 |
| CB15 | 15" | 33.9 | 3.400 | .400 |

all size are available

# Wide Flange Beams

(Available in 20' 40' Lengths)





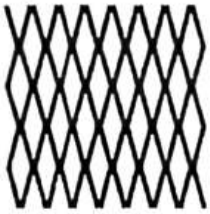

| ITEM | SIZE | D | W | T |
|---|---|---|---|---|
| W4X13 | 4 x 13 | 4.16 | 4.060 | 0.280 |
| W5X16 | 5 x 16 | 5.01 | 5.000 | 0.240 |
| W6X9 | 6 x 9 | 5.90 | 9.940 | 0.170 |
| W6X15 | 6 x 15 | 5.99 | 5.990 | 0.230 |
| W8X10 | 8 x 10 | 7.89 | 3.940 | 0.180 |
| W8X18 | 8 x 18 | 8.14 | 5.250 | 0.230 |
| 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 |
| W10X60 | 10 x 60 | 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 |
| W16X26 | 16 x 26 | 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 |

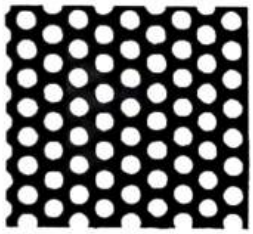
### Calv. Expanded Metal



→ ← 1/2", 3/4"

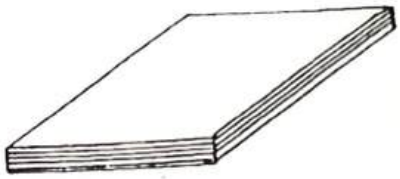
| ITEM | SIZE |
|---|---|
| EMG1216 | 1/2 16GA 4 x 8 |
| EM341336 | 3/4 13GA 3 x 6 |
| EM3413 | 3/4 13GA 4 x 8 |

### Perforated Sheet



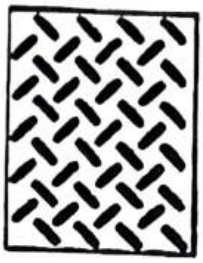
| ITEM | SIZE |
|---|---|
| PS37116 | 1/16" Hole x 3' x 7' |
| PS37332 | 3/32" Hole x 3' x 7' |
| PS47116 | 1/16" Hole x 4' x 7' |
| PS47332 | 3/32" Hole x 4' x 7' |

### Sheet Metal



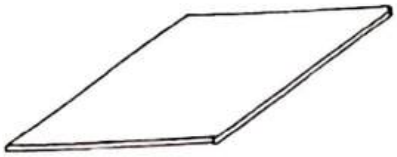
| ITEM | SIZE |
|---|---|
| CR24 | 24GA 4' x 8' |
| CR22 | 22GA 4' x 8' |
| CR20 | 20GA 4' x 8' |
| CR18 | 18GA 4' x 8' |
| HR16 | 16GA 4' x 8' |
| HR14 | 14GA 4' x 8' |
| HR11 | 11GA 4' x 8' |

### DiamondPlate



| ITEM | SIZE |
|---|---|
| FP14 | 4' x 8' x 14 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"



SP 217

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



SP217B

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



SP 270

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"



3/4"

**671 AF**
5 x 1-3/4



1"

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



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

**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"

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



1"

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



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

**317 B**
4-3/8 x 2



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

**317**
4-3/8 x 2



**249**
BASE:R 1-5/8"
2-1/4"x4-1/2"



**248**
BASE:R 1-5/8"
2"x3-1/2"



**261**
R 5/8"
1-1/2"x5"



**230**
R 5/8"
1-7/8"x4"



**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"



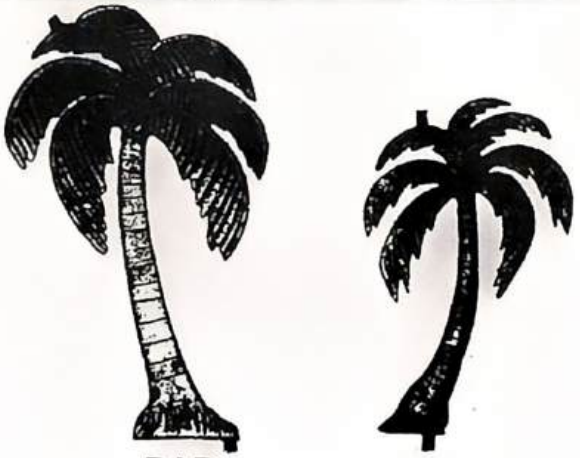
**AC 210**
7-1/4"x14-1/2"



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



LEO-L LEO-R
10"x20"



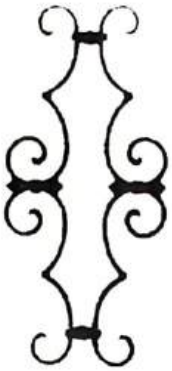
BAP SAP
13"x22-1/4" LEFT & RIGHT 9"x15"

# Aluminum Casting Designs



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

**AC 188**
Height 15"
Width 8"



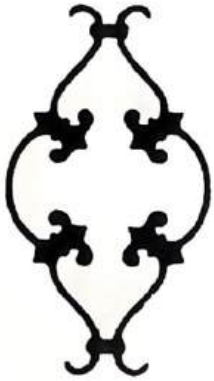
1/2", 5/8", 3/4"

**AC 211**
Height 17-3/4"
Width 7-7/8"



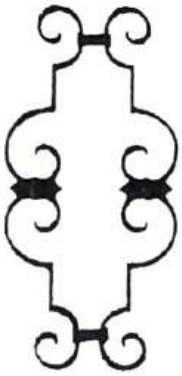
1/2", 5/8", 3/4"

**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"



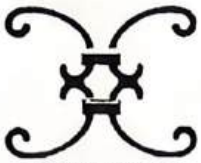
1/2", 5/8", 3/4"

**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"



**AP-157**

Wd: 8-1/8"
Ht: 15-1/2"



**AC 187**

Height 5"
Width 9"

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



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

**AC 195**
Height 4"
Width 4"



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

**AC 149**
Height 15-1/2"
Width 8"

# 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 281/4"
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"

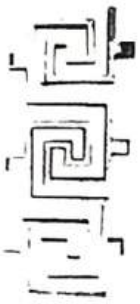


**AC 119**
Height 27-1/4"
(Scale=1/8")
Width 8"



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

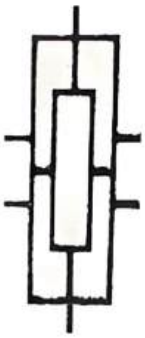
# Aluminum Casting Designs



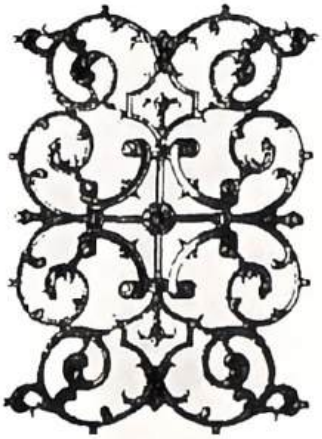
**AC 167**
H: 13-3/4"
W: 5-3/4"



**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"



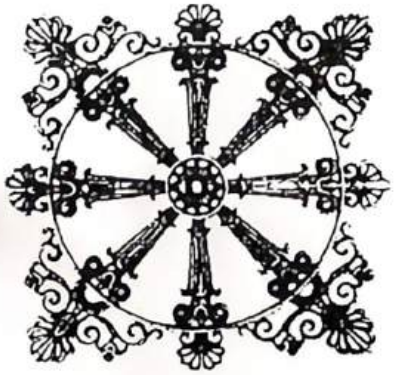
**AC 181**
H: 22-5/8", W: 8-3/4"



**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"

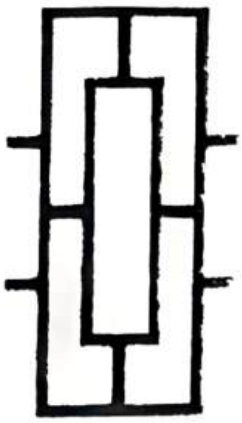


**AC 258A**
H: 4-1/8", W: 25-5/8"



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

# Aluminum Casting Designs



**AC 163**
Height 311/4"
Width 101/4"



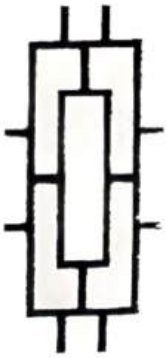
**AC 140(SF)**
Height 26"
Width 10-1/2"



**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"



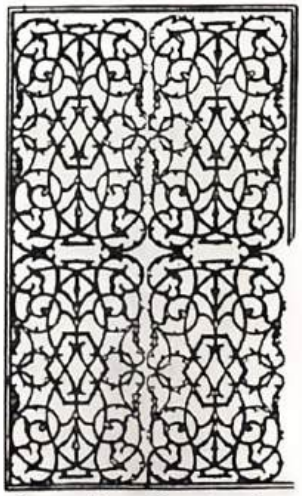
**AC 238**
Height 18-1/4"
Width 9-1/2"



**AC 113**
Height 22"
Width 7"



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



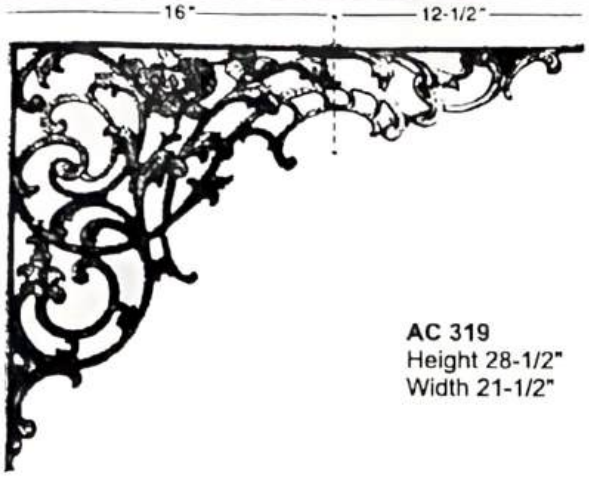
**4 casting illustration**

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



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

# Aluminum Casting Designs

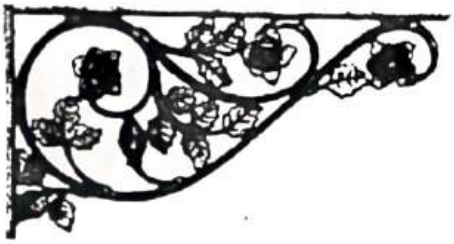



**AC 319**
Height 28-1/2"
Width 21-1/2"

**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"

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



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

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



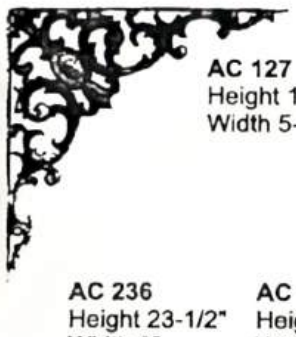
**AC 128**
Height 26-1/2"
Width 7"



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

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





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

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



**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**

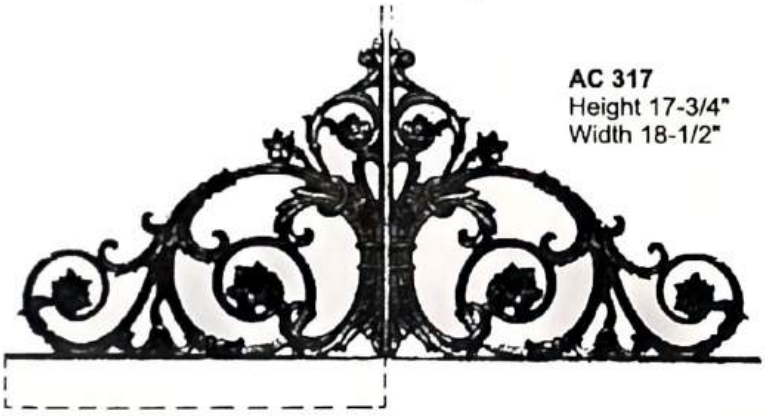


**AC 122**
Height 12-1/2"
Width 31"



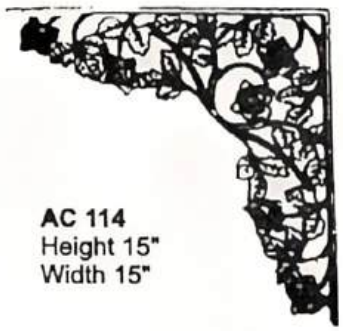
**AC 153**
Height 7"
Width 241/2"

**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"

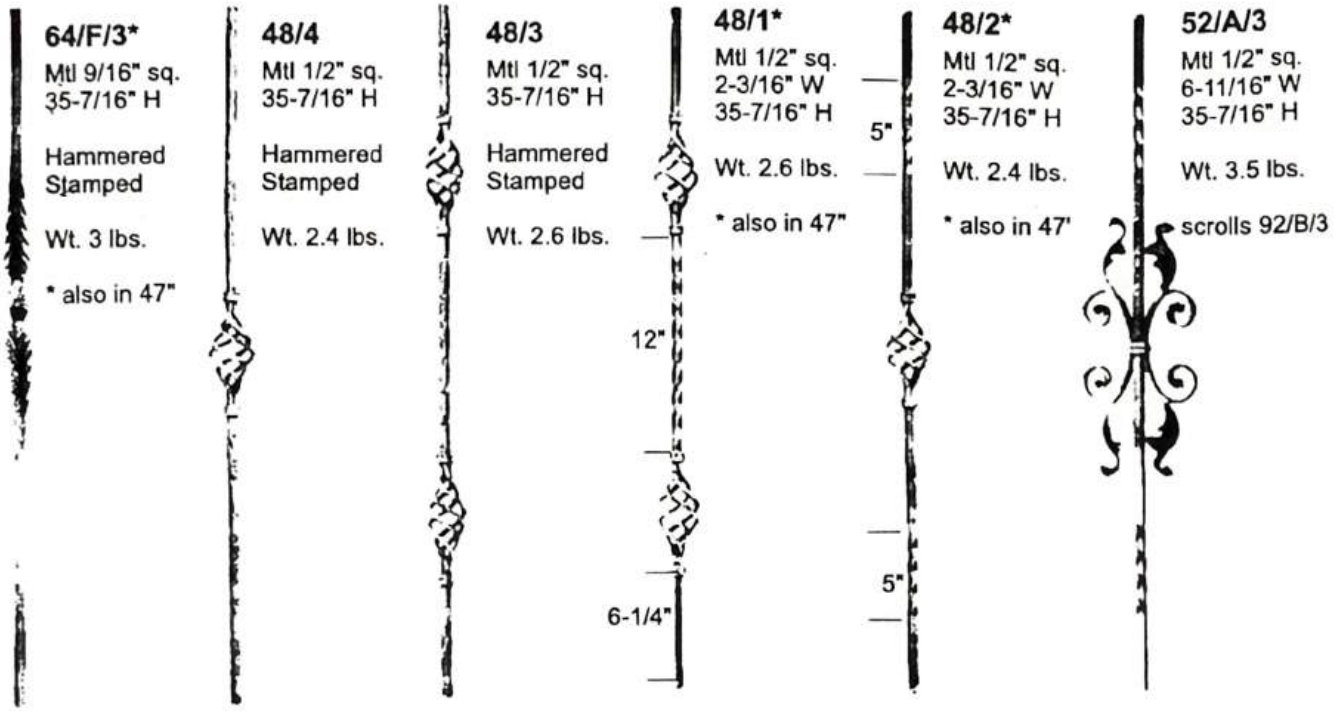


**AC 258**
Height 4-1/8"
Width 31-5/8"



**AC 137**
Height 6"
Width 23"

# Hand-Forged & Twisted Balusters



**64/F/3***
Mtl 9/16" sq.
35-7/16" H

Hammered
Stamped

Wt. 3 lbs.

* also in 47"

**48/4**
Mtl 1/2" sq.
35-7/16" H

Hammered
Stamped

Wt. 2.4 lbs.

**48/3**
Mtl 1/2" sq.
35-7/16" H

Hammered
Stamped

Wt. 2.6 lbs.

**48/1***
Mtl 1/2" sq.
2-3/16" W
35-7/16" H

Wt. 2.6 lbs.

* also in 47"

12"

6-1/4"

**48/2***
Mtl 1/2" sq.
2-3/16" W
35-7/16" H

Wt. 2.4 lbs.

* also in 47'

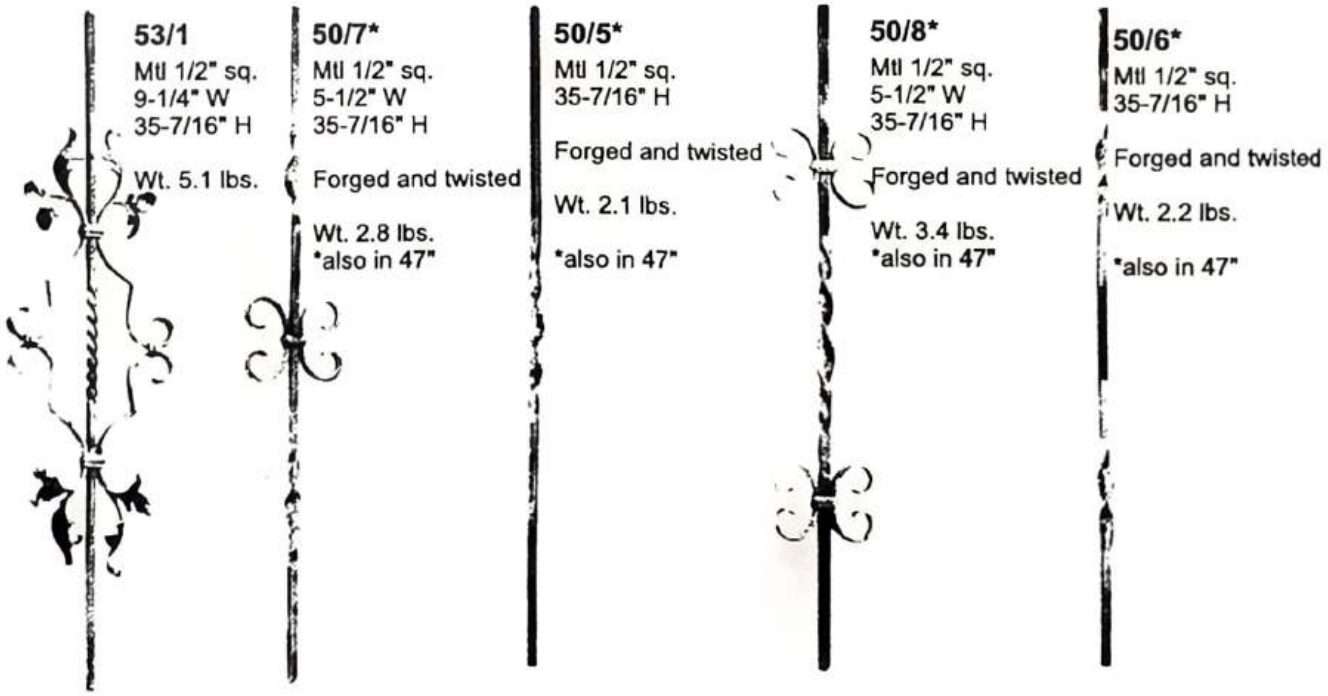
5"

5"

**52/A/3**
Mtl 1/2" sq.
6-11/16" W
35-7/16" H

Wt. 3.5 lbs.

scrolls 92/B/3



**53/1**
Mtl 1/2" sq.
9-1/4" W
35-7/16" H

Wt. 5.1 lbs.

**50/7***
Mtl 1/2" sq.
5-1/2" W
35-7/16" H

Forged and twisted

Wt. 2.8 lbs.
*also in 47"

**50/5***
Mtl 1/2" sq.
35-7/16" H

Forged and twisted

Wt. 2.1 lbs.

*also in 47"

**50/8***
Mtl 1/2" sq.
5-1/2" W
35-7/16" H

Forged and twisted

Wt. 3.4 lbs.
*also in 47"

**50/6***
Mtl 1/2" sq.
35-7/16" H

Forged and twisted

Wt. 2.2 lbs.

*also in 47"

# 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"

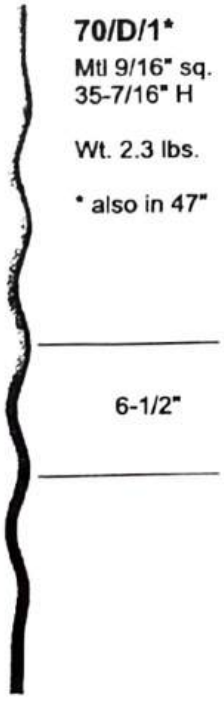


**64/1/3***
Mtl 9/16" sq.
35-7/16" H

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"

6-1/2"



**98/1***
Mtl 1-3/4" sq.
35-7/16" H

Tapered

Wt. 4.1 lbs.

* also in 47"

1-3/4"

3/8"



**105/4***
Mtl 5/8" sq.
35-1/2" H

Heavily hammered square bar (4 faces and corners)

Wt. 4 lbs.

* also in 47"

**105/3***
Mtl 9/16" sq.
35-1/2" H

Heavily hammered square bar good match for 110/3, 105/1, 105/2, 108/A/1, 108/A/2

Wt. 3.5 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.

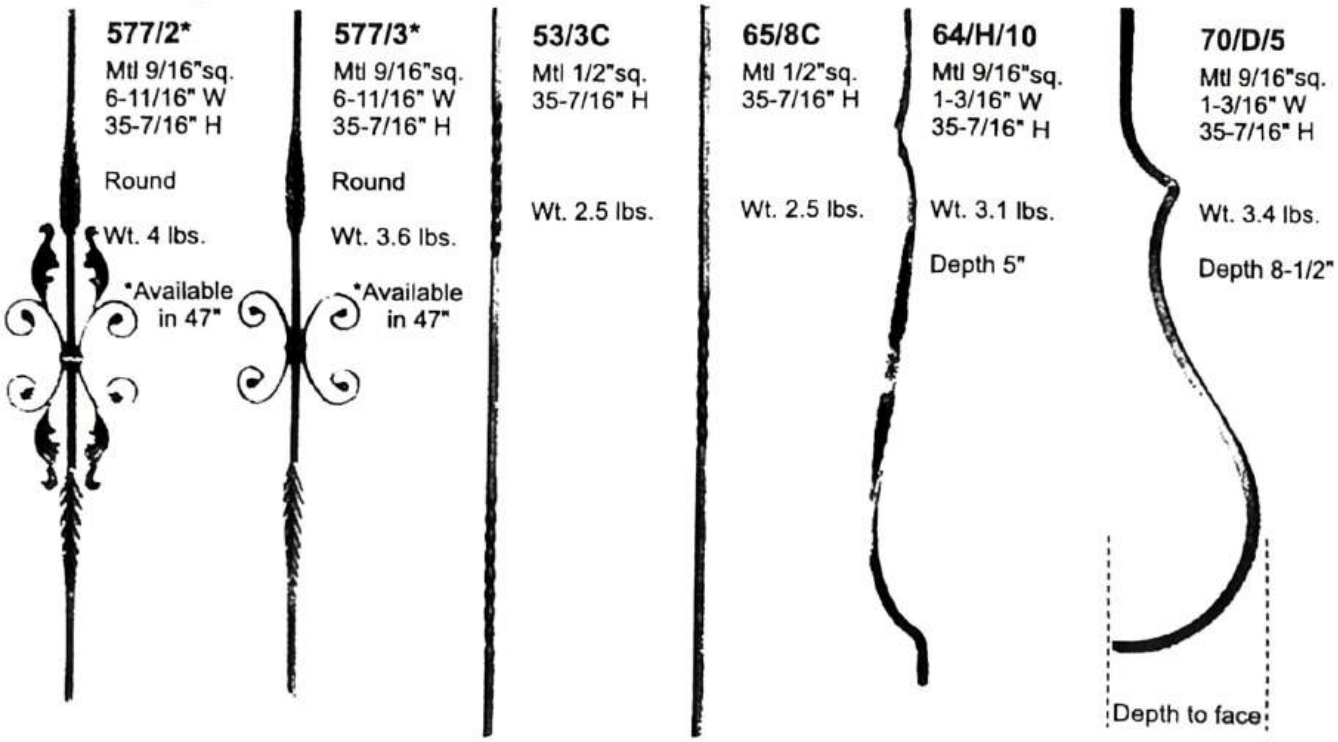
* also in 47"



**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

| | *Mtl* | *Stock Length* | *Wt.* |
|---|---|---|---|
| **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



| | *Mtl* | *Stock Length* | *Wt.* |
|---|---|---|---|
| **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



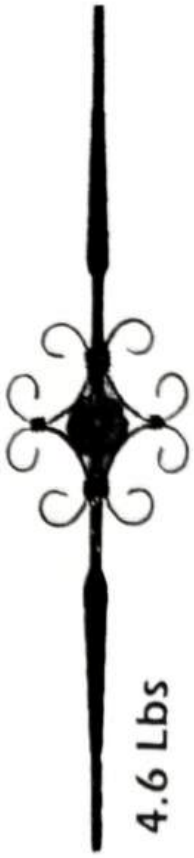

**6101**
R3-1/2"x12"




**6102**
5-1/2"x18"




**6143**
4-3/8"x35-1/2"
4.1 Lbs



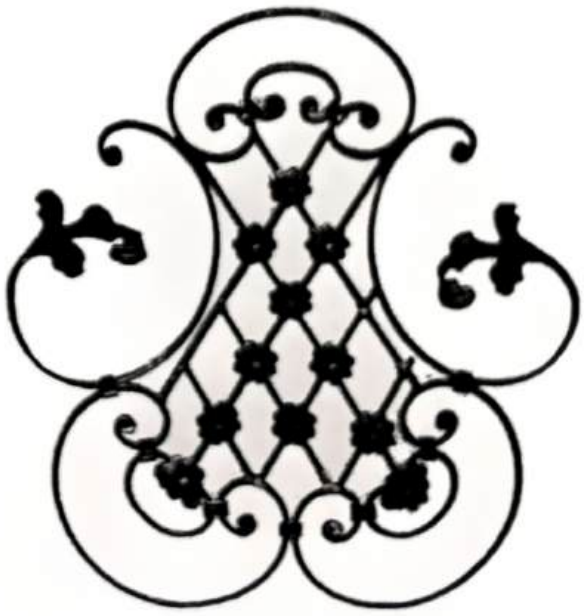

**6146A**
8-1/4"x35-1/2"




**6164/8**
6"x35"
9/16"x9/16"



24"x28"-3/4 **6182** 21.5Lbs



25"x27-1/2" **6183** 19Lbs

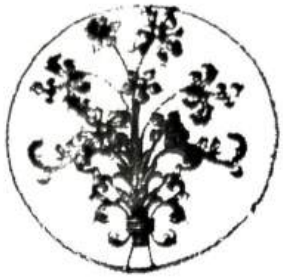
# Forged Flower Panels



**6108/1**
20"x26"



**6108/2**
19.1 Lbs 20"x26"



**6110/1 6110/2**
22"x22"
15.7 Lbs



**6185/1 6185/2**
19"x26" 18.3 Lbs



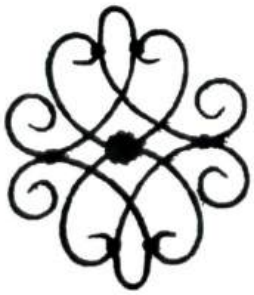


**6109/2 6109/2**
19"x27" 26.9Lbs 19x27"





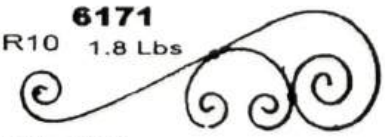
**6145/1 6145/2**
20"x36" 14.2Lbs 20"x36"



**5516**
16" x 19" 8.3 Lbs



**6171**
R10 1.8 Lbs



1/4" x 7/8"
5.1 Lbs

**5424**
28-1/2"x 9"



**6106/1 6106/2**
6" x 23"
3.3 Lbs



B36
3.5 Lbs

**5217**
5" x 8"



**6184/1** 19.6 Lbs **6184/2**
19" x 26" 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**




**6102** **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"x20"

# 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**

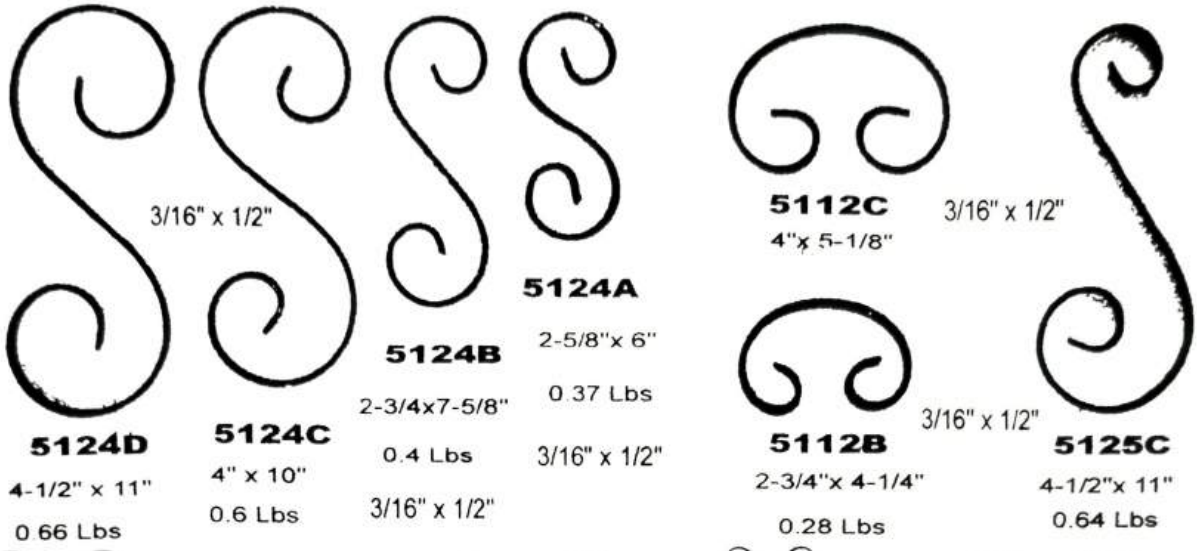


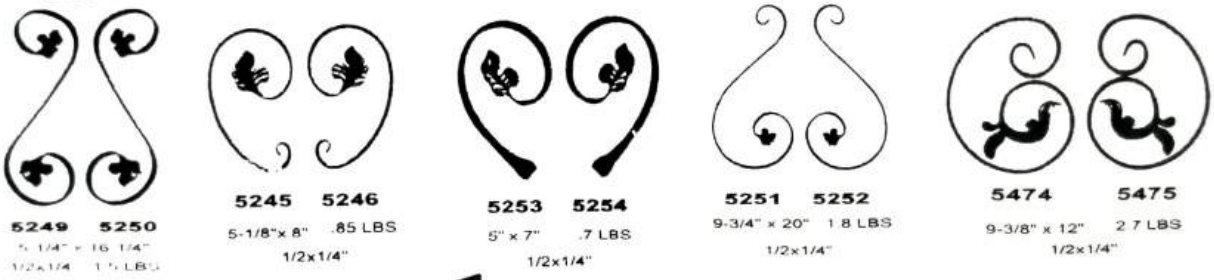
B36
**5217**
5" X 8" 3.5 Lbs



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

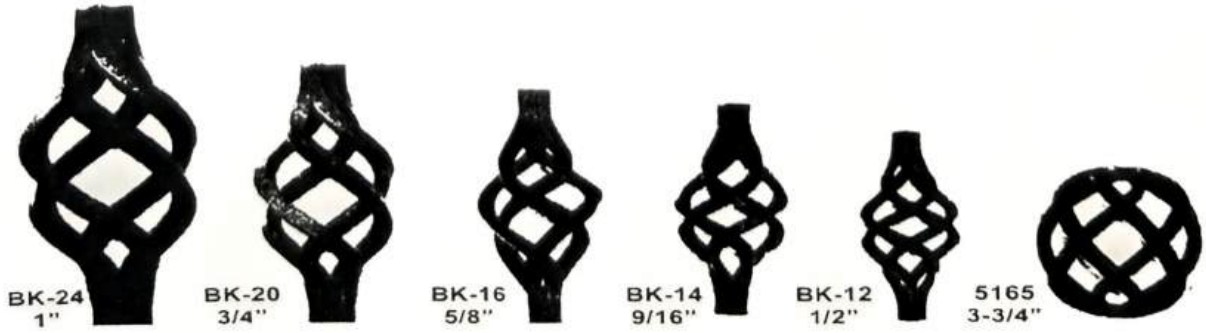
# Forged Steel Scrolls









# 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



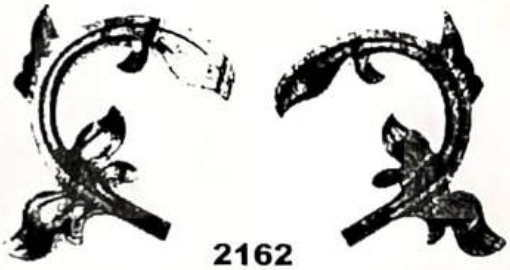
**2183**
75X70X3



**2187**
90 X 3



**3124**
105 X 4



**2162**
50X140X2



**2160**
60X60X1



**2142**
200X60X2



**2114**
80X61X3



**2120**
116X2





**2149**
80X135X3



**2115**
117X42X3



**2113**
63X66X3

**2141**

# 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"**



**518-5/8"**
1-7/8"x 2" 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"



**250R5/8"**



**B20F** R 3/4"
**B25F** R -1"



**519R1/2"**



2"x 6-1/2" 780G



1-1/2"x5-1/2" 400G



1-1/2"x5" 390G

**258R 3/4"** **258R 5/8"L** **258R 1/2"**



1-1/2"x3" 200G

**259R 5/8"**

HOLLOW



1-1/2"x5"

**268R5/8"**



1-1/2"x3"

**269R5/8"**

FORGED STEEL



**254R 1/2"**



1-5/8"x3-3/8" 300G

**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.



**Cast Iron**
**SHOE**
**R12**
***CI 9503***
1/2" hole
1-1/4" x 1-1/16"



**812/13**
*To be used with MCRW*



**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.



**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



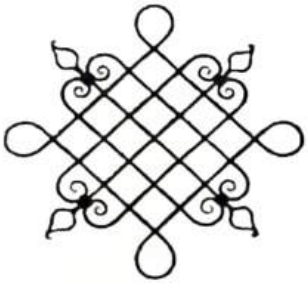
**FS-2012**
17 x 15



**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



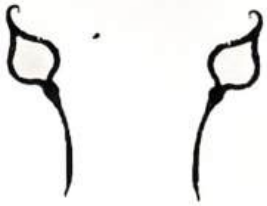
**FS-2002**
26-1/2 x 26-1/2



**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
9-1/4 x 5-1/8

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



JCS-12L
8-1/4 x 4

JCS-12R
8-1/4 x 4



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

JCS-13R
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



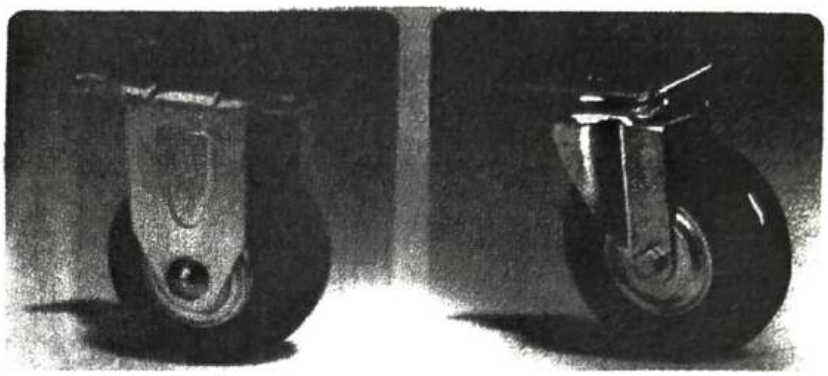
R-102
2-5/8 x 2-5/8



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"



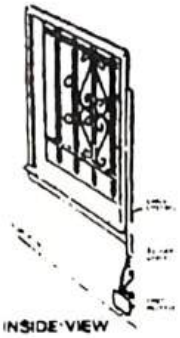
**CT3B** 3"x1-1/4"
Rating: 250 Lbs
**CT4B** 4"x1-1/4"
Rating: 300 Lbs
Swivel & Wheel
With Double Brake

# Window Guard Releases

## FOOT RELEASE

ITEM #: FRO



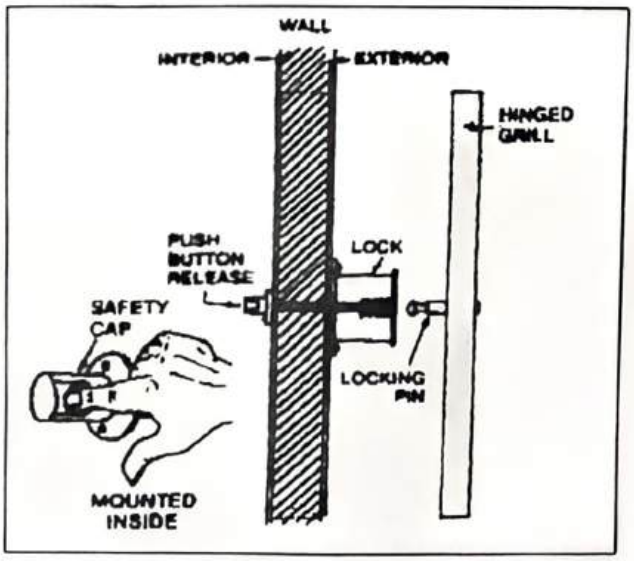





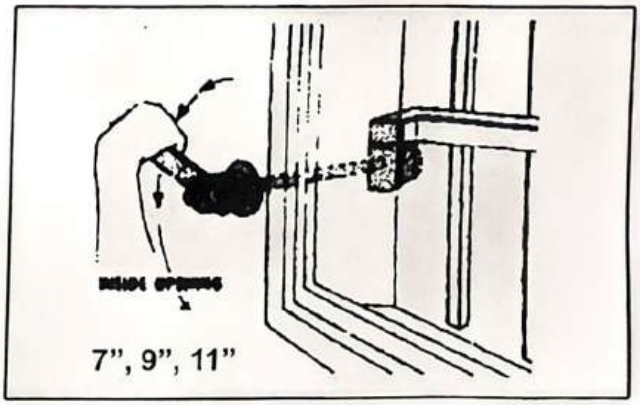





## DELUXE PUSH BUTTON RELEASE

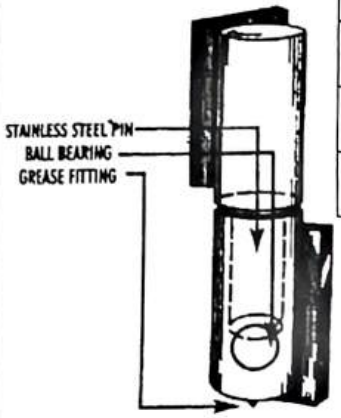



## LEVER WINDOW GUARD EMERGENCY FIRE RELEASE



# Hard Ware

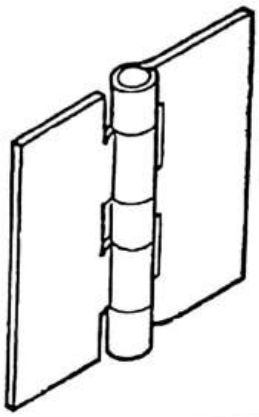
## Barrel Hinges




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

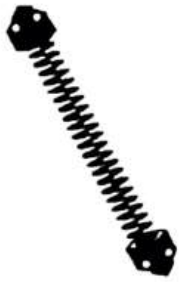
Stainless Pin
Ball Bearing
Grease Fitting

## Weldble Hinges



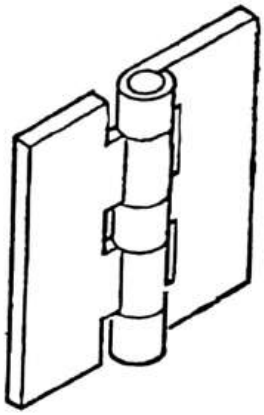
| ITEM | SIZE |
|---|---|
| WH 2 | 2 x 2 |
| WH 3 | 3 x 3 |
| WH 3120214 | 3-1/2 x 2-1/4 |
| WH 312 | 3-1/2 x 3-1/2 |

## Spring



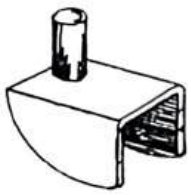
| ITEM | SIZE |
|---|---|
| SP 9 | 9" |
| SP 12 | 12" |

## Weldble Hinges (Heavy Duty)



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

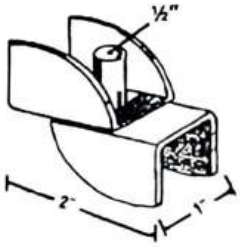
## Bat Wing Hinges



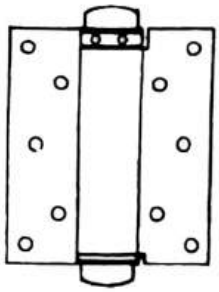
(Male)
BWM



(Female)
BWF



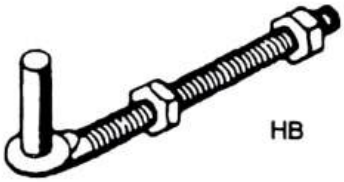

## Spring Hinge



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

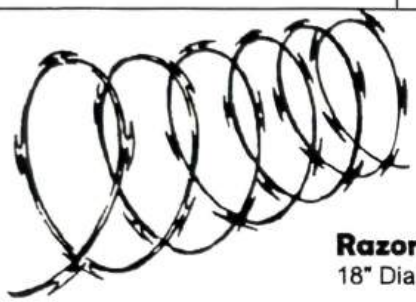


ITEM : GL

### Cane Bolt



| ITEM | SIZE |
|---|---|
| ECB 12 | 12" |
| ECB 18 | 18" |
| ECB 24 | 24" |



**Razor Wire**
18" Dia. x 50Ft.

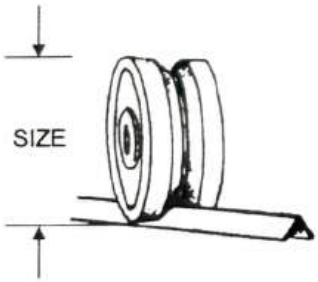
ITEM No. : RW

### Tubing Ring



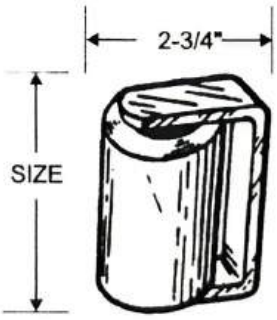

| ITEM | SIZE |
|---|---|
| TR 312 | 3-1/2" |
| TR 4 | 4" |
| TR 4-1/2" | 4-1/2" |
| TR 5 | 5" |
| TR 5-1/2" | 5-1/2" |
| TR 6 | 6" |

### V-Roller (Iron)



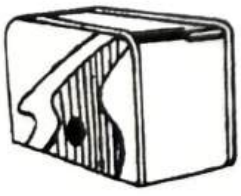

| ITEM | SIZE |
|---|---|
| VR 3 | 3" |
| VR 4 | 4" |
| VR 6 | 6" |

### Rubber Roller



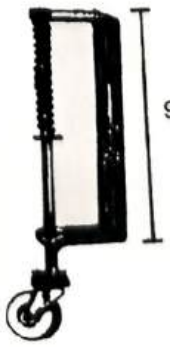

| ITEM | SIZE |
|---|---|
| RR 3 | 3" |
| RR 6 | 6" |
| RR 12 | 12" |

### V-Roller Box



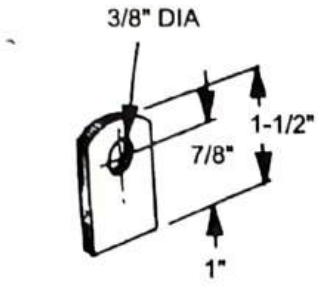
| ITEM | SIZE |
|---|---|
| VRB 4 | 4" |
| VRB 6 | 6" |

### Spring Roller

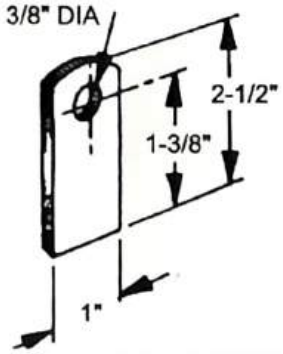



ITEM SR

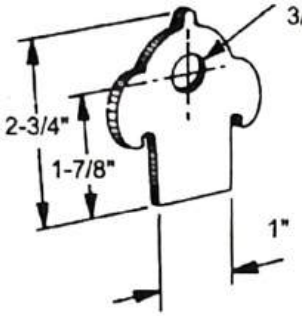
# Hard Ware



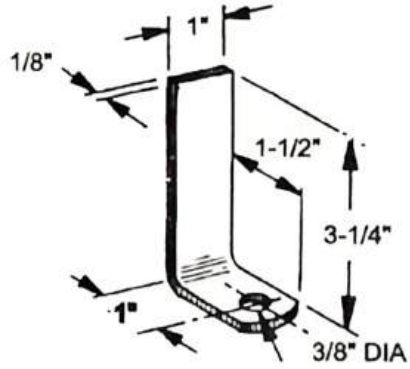

**ITEM : WT 101**



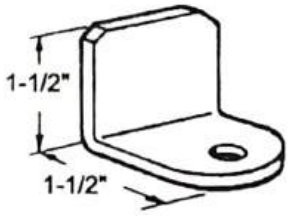

**ITEM: WT 102**



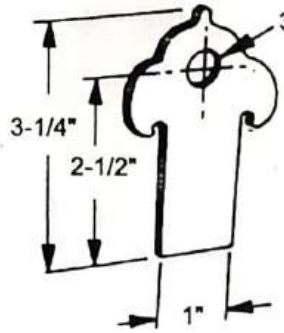

**ITEM: WT 103**



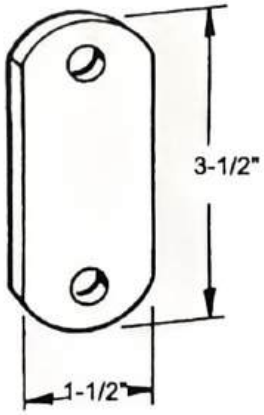

**ITEM: WT 104**



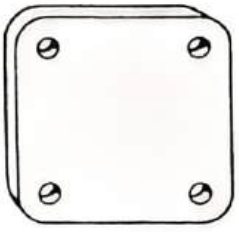

**ITEM: WT 105**




**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



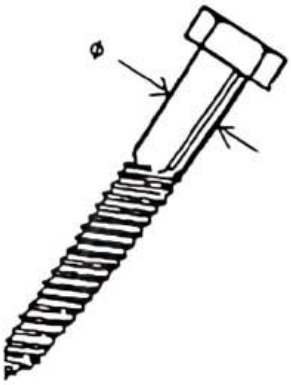
**Cover Shows For**

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

**ITEM NO.: SP231**

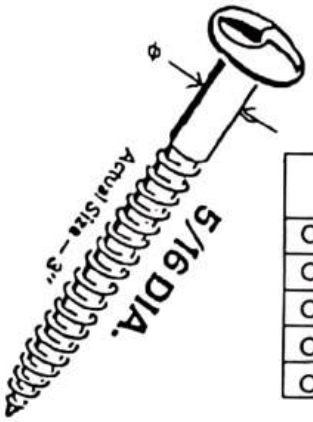
# Hardware

## Lag Screws



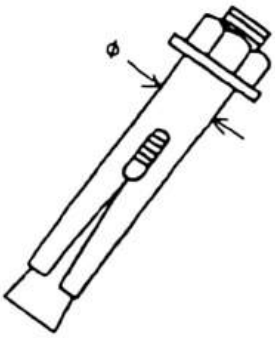

| ITEM | SIZE ø | LENGTH |
|---|---|---|
| HLS 516112 | 5/16 | x 1-1/2 |
| HLS 5162 | 5/16 | x 2 |
| HLS 516212 | 5/16 | x 2-1/2 |
| HLS 5163 | 5/16 | x 3 |
| HLS 5164 | 5/16 | x 4 |
| HLS 382 | 3/8 | x 2 |
| HLS 38212 | 3/8 | x 2-1/2 |
| HLS 383 | 3/8 | x 3 |
| HLS 38312 | 3/8 | x 3-1/2 |
| HLS 384 | 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



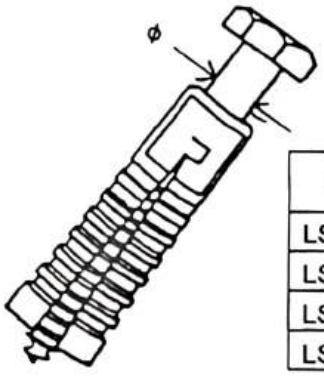

| ITEM | SIZE ø | LENGTH |
|---|---|---|
| OWS 516112 | 5/16 | x 1-1/2 |
| OWS 5162 | 5/16 | x 2 |
| OWS 5163 | 5/16 | x 3 |
| OWS 5164 | 5/16 | x 4 |
| OWS 5165 | 5/16 | x 5 |

## Sleeve Anchors




| ITEM | SIZE ø | 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 Sheilds




| ITEM | SIZE ø | 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 ø | 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



| 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" |

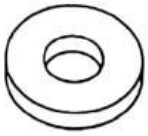
## Hex Nuts



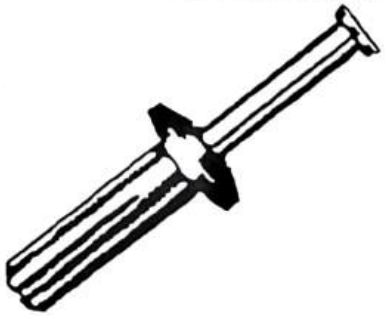
| ITEM | SIZE |
|---|---|
| NUT 12 | 1/2" |
| NUT 58 | 5/8" |
| NUT 34 | 3/4" |
| NUT 1 | 1" |

## Washers

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



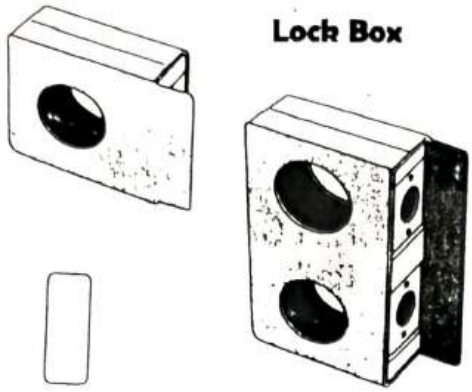
## Hammer Drive Nails



| 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 |

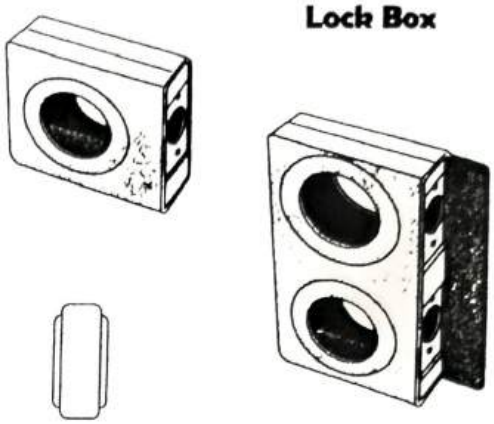
# Gate Hardware

## Lock Box



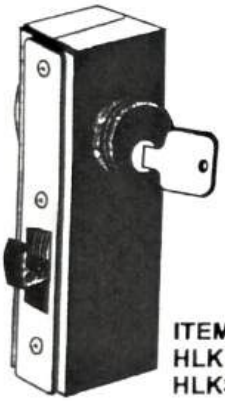
LBSF 1 (D=1")
LBDF 1 (D=1")
LBSF 112 (D=1-1/2")
LBDF 112 (D=1-1/2")

## 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

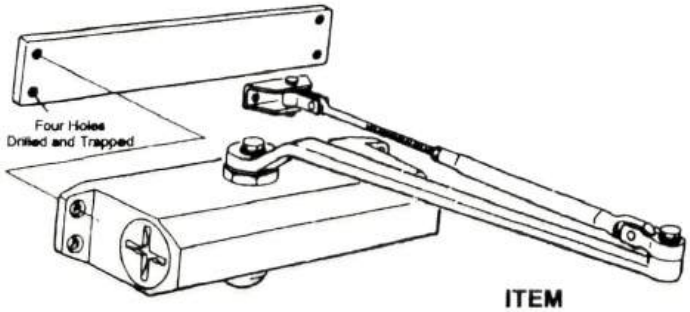
## Door Closer



No. 1108

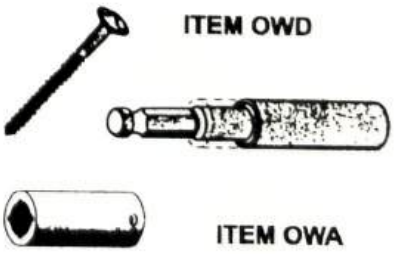
## Door Closer

**Mounting Plate**
Weld Plate to Door




ITEM
DC430

## One Way Driver



ITEM OWD

ITEM OWA

Adapter For 1/2" sq. Drive

# Heavy-Gauge Floral Elements



**LKSS**
Lock Single Stainless



**LKDS**
Lock Double Stainless



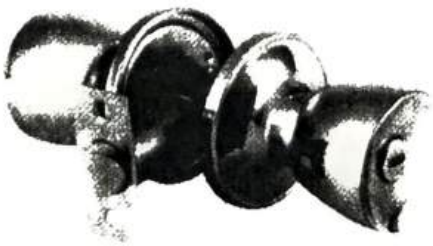
**LKSB**
Lock Single Brass



**LKSB**
Lock Double Brass



**LKES**
Lock Entrance Lock

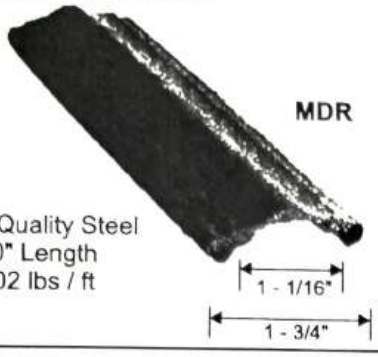




**LKCS**
Lock Combo Stainless
(Entrance and Single Cylinder)

# 1-3/4 Molded Corer Rail & Accessories

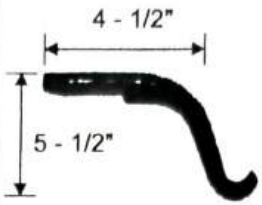
## Molded Cover Rail




High Quality Steel
20" Length
102 lbs / ft




CI 199L



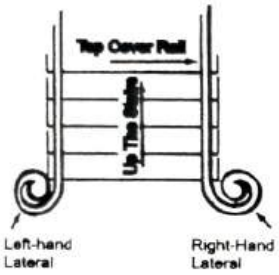

CI 199R



CI 45

# Molded Laterals . Brackets

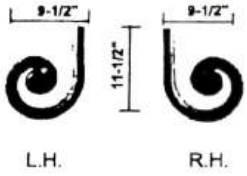
## How To Order Laterals And Channels
## (Channels And Laterals Are Sold Separately)




TO COMPLETE BOTH RIGHT & LEFT SIDES OF A STAIRCASE, ORDER:
- 1 SET of Laterals and
- 2 SETS of Channels

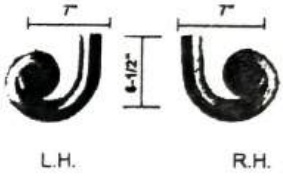
TO COMPLETE ONE SIDE ONLY, ORDER:
- Either a Left-Hand or Right-Hand Lateral and
- 1 SET of Channels

## LATERALS




L.H. R.H.

CE 400

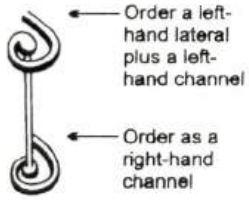



L.H. R.H.

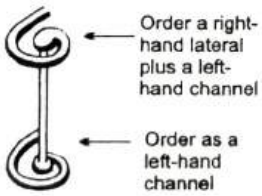
CE 2

Each Lateral is Welded on Top of an Inverted Channel to Complete the Side.

**TYPICAL LEFT-HAND LATERAL SET UP:**




**TYPICAL RIGHT-HAND LATERAL SET UP:**




## CHANNELS




L.H. R.H.

CE 401

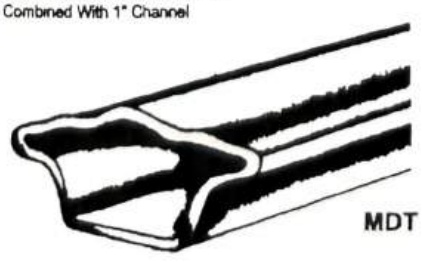



L.H. R.H.

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

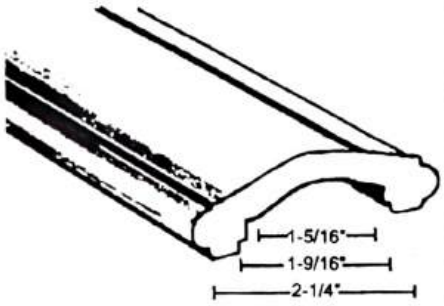


Height: 2-3/4"
Width: 4-3/4"

**CI 45W**

**For 2-1 1/4" Wide Cover Rail**

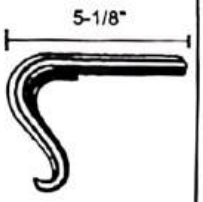
## MDRW




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*

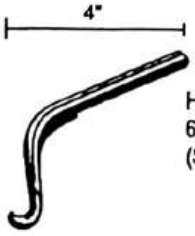


Height: 6-1/2"
Width: 11"

**For 2-1/4" Wide Cover Rail**

## CAST IRON

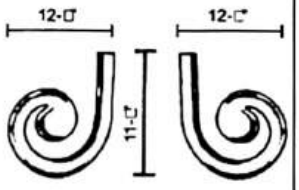
FOR PITCHED RAIL
CI 199RW




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

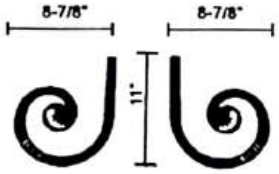
**For 2-1 1/4" Wide Cover Rail**

## Cast Iron
4.1 lbs Each



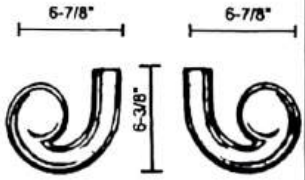

CE 400W
**Molded Lateral**

## Cast Iron
2.5 lbs Each



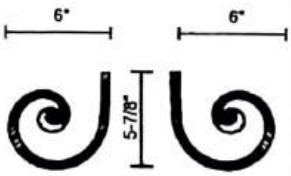

CE 401W
**Molded Lateral**

## Cast Iron
2.0 lbs Each



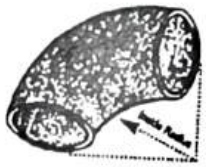

CE 0W
**Molded Lateral**

## Cast Iron
1.1 lbs Each




CE 1W
**Molded Lateral**

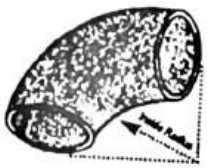
## All Tubing Sizes "O.D."



**90° WELDABLE ELBOWS**

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

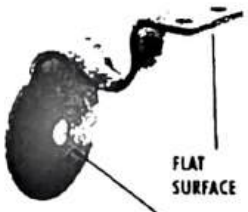
## All Pipe Sizes "I.D."



**90° WELDABLE ELBOWS**

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

## Rail Bracket
1/8" Thick




*7/16" Hole*

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

## WELDABLE STEEL PIPE END-CAPS

**Weld On & Grind Smooth**



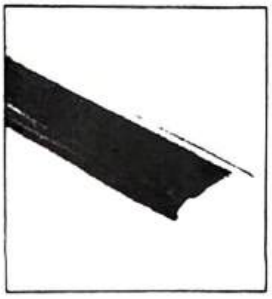
| ITEM | SIZE |
|---|---|
| PEC 1 | 1.00" |
| PEC 114 | 1.25" |
| PEC 112 | 1.50" |
| PEC 2 | 2.00" |
| PEC 3 | 3.00" |
| PEC 4 | 4.00" |

# Railings



## 114 - 1

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



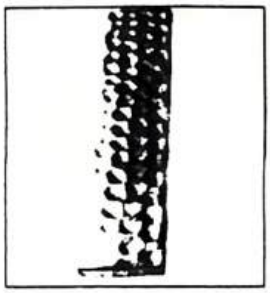
## 114 - 2

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.



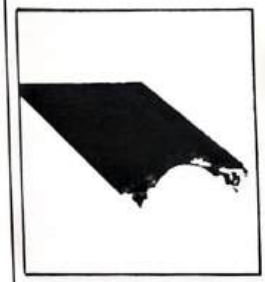
## 114 - 5

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"



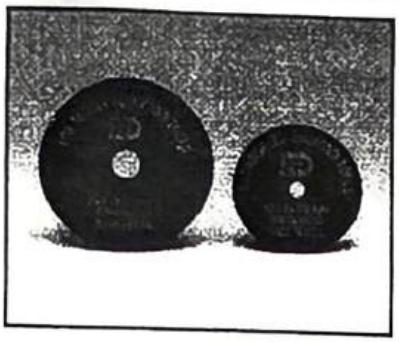
**B20F**
R 3/4"

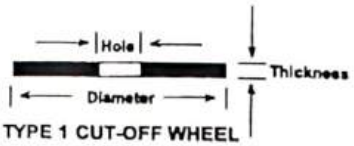





**4129**
4-1/2"x5-3/8"

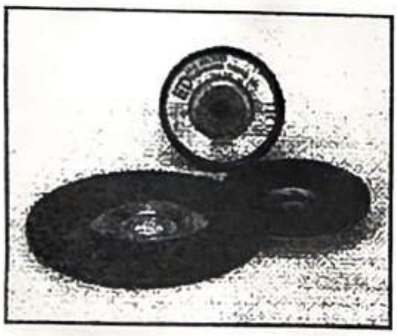
# Cutting Wheels & Grinding Wheels





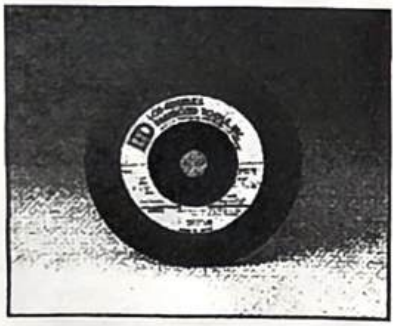
TYPE 1 CUT-OFF WHEEL

| 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 |



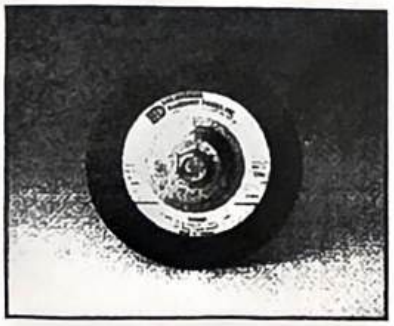

Raised Hub
Type 27 Grinding Wheel

| 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 |



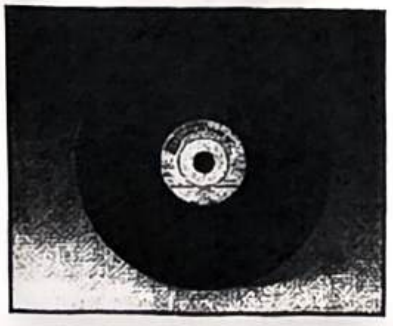

Raised Hub
Type 27 Grinding Wheel

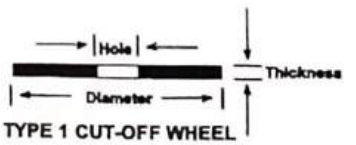
| ITEM | SIZE |
|---|---|
| GW 4 | 4 x 1/4 x 5/8 |
| GW 412 | 4-1/2 x 1/4 x 7/8 |
| GW 5 | 5 x 1/4 x 7/8 |




5/8-11 Threaded Raised Hub
Type 27 Grinding Wheel

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





TYPE 1 CUT-OFF WHEEL

| 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

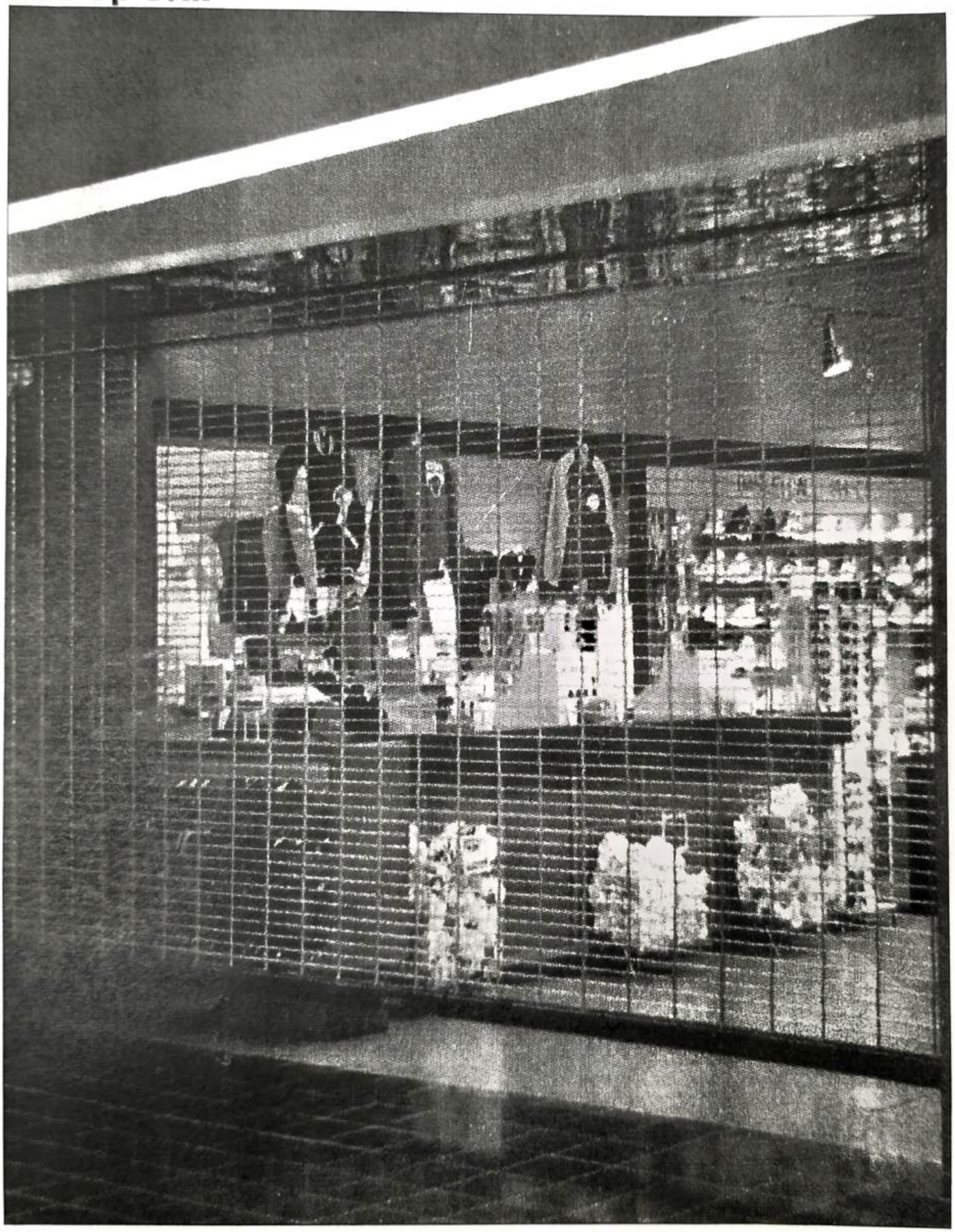


PTC 1
1 GL Tubins Cleaner

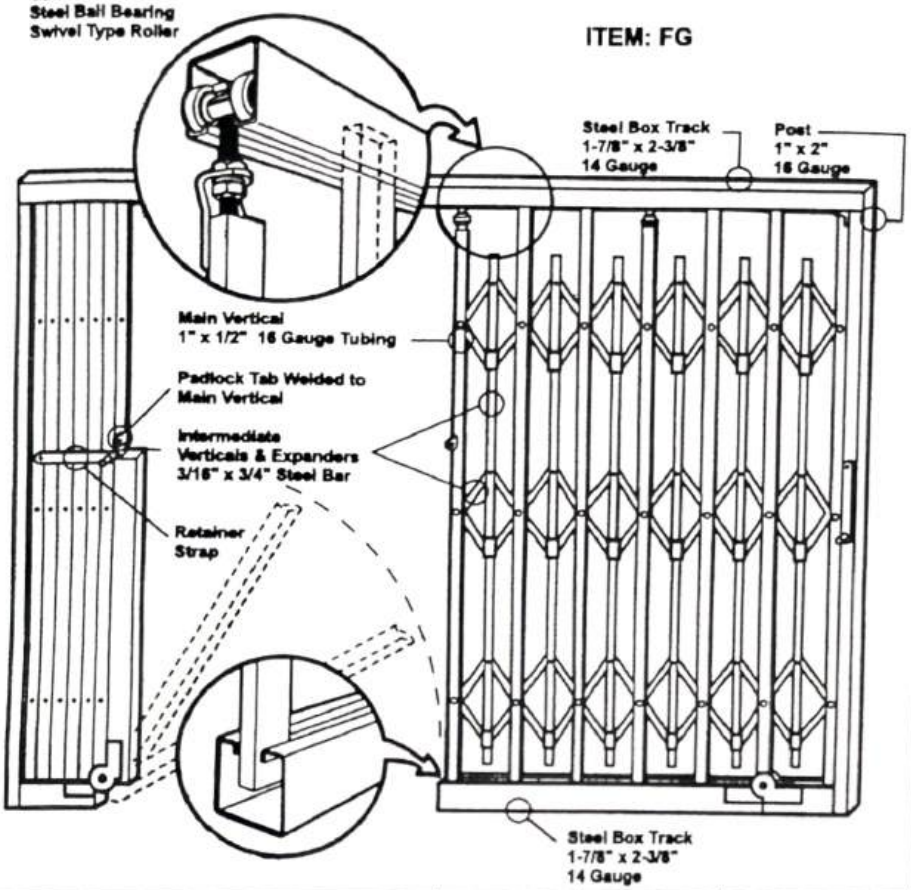
# Roll Up Door



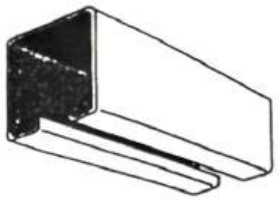
# Roll Up Grill



# Folding Gate (Security Style)




## Overhead Track
**24' 14 GA**



**ITEM: OT 24**

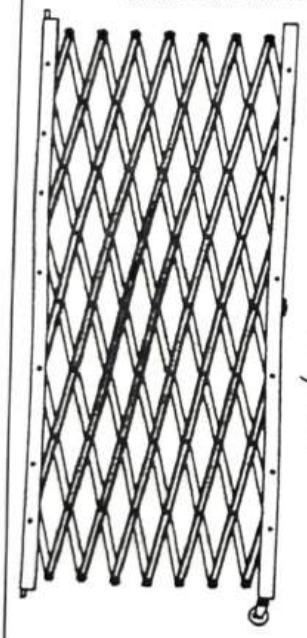
## Carriage Wheel



**ITEM: OC 2**

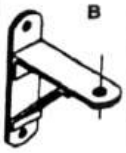
## Lattice Style Gates
**ITEM: FGL**

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









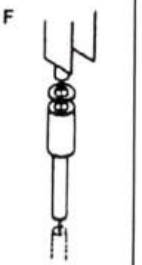













*Available In Stock*

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" | 4'6" | 9" | 7" | 14" |
| 3-6S | 3-6D | 4'6" | 9" | 5'2" | 10'4" | 7-3/4" | 15-1/2" |
| 4-6S | 4-6D | 5" | 10" | 5'11" | 11'10" | 8-1/2 | 17" |
| 5-6S | 5-6D | 6" | 12" | 6'8" | 13'4" | 9-1/4" | 18-1/2" |
| 6-6S | 6-6D | 7" | 14" | 7'5" | 14'10" | 10" | 20" |
| 7-6S | 7-6D | 7'6" | 15" | 8'1" | 16'2" | 10-3/4" | 21-1/2" |

7 Foot-Installed Height
Lattice Height 75" When Extended To Nominal Width

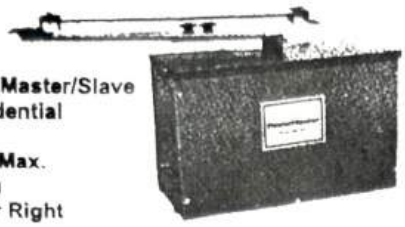
| Part Numbers | | Nominal Width | | Maximum Extension | | Stack Width | |
|---|---|---|---|---|---|---|---|
| Single | Double | Single | Double | Single | Double | Single | Double |
| 2-7S | 2-7D | 4" | 8" | 4'5" | 8'10" | 7-3/4" | 15-1/2" |
| 3-7S | 3-7D | 4'6" | 9" | 5'1" | 10'2" | 8-1/2" | 17" |
| 4-7S | 4-7D | 5" | 10" | 5'9" | 11'6" | 9-1/4" | 18-1/2" |
| 5-7S | 5-7D | 6" | 12" | 6'4" | 12'8" | 10" | 20" |
| 6-7S | 6-7D | 6.6" | 13" | 7" | 14" | 10-7/8" | 21-3/4" |
| 7-7S | 7-7D | 7" | 14" | 7'7" | 15'2" | 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

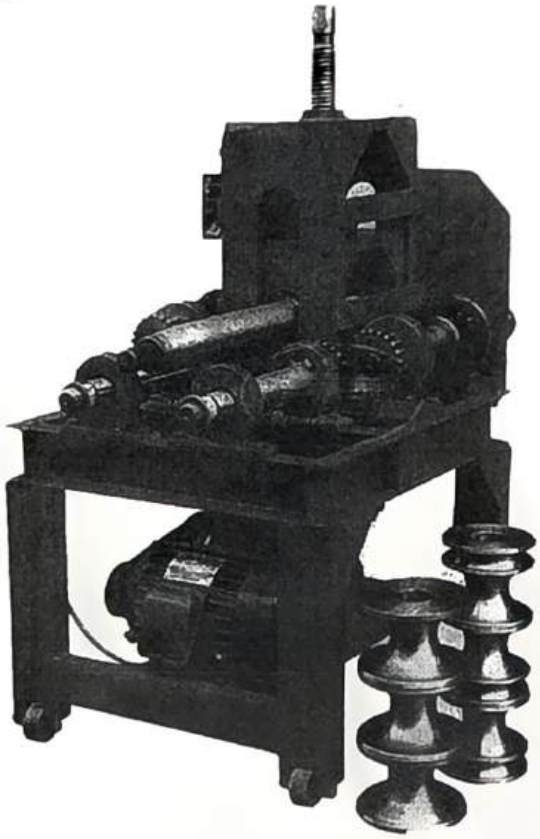
ITEM: TRA

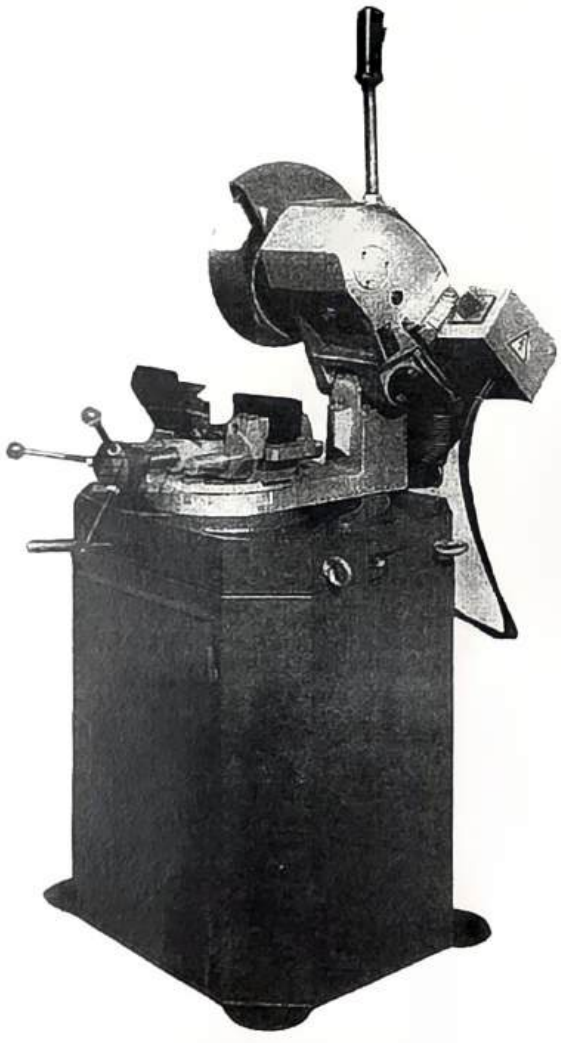


REC2 (12V)
REC3 (24V)
REC4 (24V)

# Bending, Punching, Service

| Type BA-4 electric tube curved machine | | | |
|---|---|---|---|
| Technical Parameter / Item | | Main axial rotational speed: 15 (r/s) | |
| | | 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 | |
|---|---|
| Technical Parameter / Item | Main axial rotational speed:(Double speed) : 58/120 (r/s) |
| Max opening | 110mm |
| Using saw | ϕ 250-300mm |
| Cooling water pump | 380v 40w |
| Main motor power | 1.3x1.8kw |

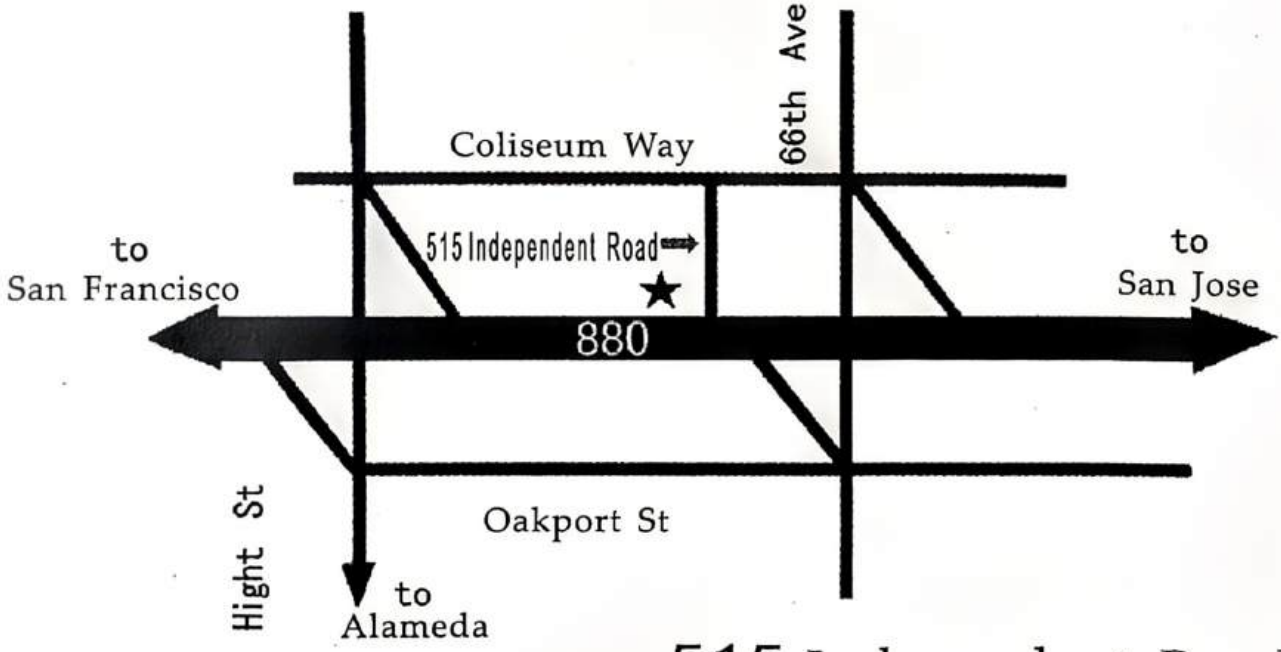
| Cutter angle processing | Straight cutting | Slope cutting |
|---|---|---|
| ○ | 80 | 50 |
| L | 75x75 | 50x50 |
| □ | 75 | 55x55 |
| ▭ | 80 | 55x55 |
| ● | 40 | 35 |
| ■ | 40 | 35 |

# USA Metals LLC

## STEEL DISTRICT

**ORNAMENTAL IRON PRODUCTS SUPPLIER**

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




515 Independent Road

Oakland CA 94621