

## METAL FRAMING

**ZI12-158** | 1½" x 1½" Channel  
**ZI14-158** | 1½" x 1½" Channel  
**ZI12-1316** | 1½" x 1¾" Channel  
**ZI14-1316** | 1½" x 1¾" Channel  
**ZI12-1** | 1½" x 1" Channel  
**ZI12-138** | 1½" x 1½" Channel  
**ZI12-2716** | 1½" x 2¾" Channel  
**ZI12-314** | 1½" x 3¼" Channel

## CHANNEL NUTS

**ZCNN** | Most Channel  
**ZCNS** | 1¾" & 1" Channel  
**ZCNR** | 1¾" & 1½" Channel  
**ZCNL** | 2¾" & 3¼" Channel  
**ZCND** | 1¾" & 1½" Channel  
**ZCNSQ** | All Channel  
**ZCNC** | All Channel  
**ZCNT** | Top Spring  
**ZCNW** | Most Channel  
**ZCNN (D)** | Most Channel  
**ZCNS (D)** | 1¾" & 1" Channel  
**ZCNR (D)** | 1¾" & 1½" Channel  
**ZCNL (D)** | 2¾" & 3¼" Channel  
**ZCNT (D)** | Most Channel

## HARDWARE

**ZHCS** | Hex Head Cap Screw  
**ZHN** | Hex Nut  
**ZFW** | Flat Washer  
**ZRC** | Rod Coupling  
**ZVRS** | Rod Stiffener  
**ZSW10** | Swivel Female  
**ZSW11** | Swivel Male  
**ZSW12** | Swivel Female to Female  
**ZSW13** | Swivel Male to Female

## STRUT CLAMPS

**ZSCR** | Rigid  
**ZSCU** | Universal  
**ZSCE** | EMT  
**ZSCH** | One Piece Universal  
**ZSCC** | Copper Tubing  
**ZSCO** | OD  
**ZCCT** | Cushioned Tubing  
**ZCCP** | Cushioned Pipe  
**ZPW2500EP** | Cushioned Pipe Wrap

## CONDUIT & TUBING CLAMPS

**ZPCH** | Pipe and Conduit Hanger  
**ZPS2** | Pipe Strap  
**ZTC1** | OD Tubing Clamp

## FLAT FITTINGS

**ZF09—ZF15** | Square Washer  
**ZF19—ZF24** | No Twist Square Washer  
**ZU70** | Saddle Washer  
**ZF30** | 2 Hole Splice Plate  
**ZF31** | 3 Hole Splice Plate  
**ZF32** | 4 Hole Splice Plate  
**ZF33** | 5 Hole Splice Plate  
**ZF34** | 2 Hole Parallel Splice Plate  
**ZF35** | 4 Hole Parallel Splice Plate  
**ZF36** | 3 Hole Parallel Splice Plate  
**ZF40** | 2 Hole Swivel Plate  
**ZF41** | 3 Hole Swivel Plate  
**ZF50** | 3 Hole Corner Plate  
**ZF51** | 4 Hole Corner Plate  
**ZF52** | 3 Hole Corner Gusset Plate  
**ZF53** | 4 Hole Corner Gusset Plate  
**ZF54** | 5 Hole Corner Gusset Plate  
**ZF60** | 4 Hole Tee Plate  
**ZF61** | 3 Hole Tee Gusset Plate  
**ZF62** | 4 Hole Tee Gusset Plate  
**ZF63** | 5 Hole Tee Gusset Plate  
**ZF70** | 5 Hole Cross Plate  
**ZF71** | 7 Hole Cross Gusset Plate

## ANGLE FITTINGS

**ZL10** | 2 Hole No Twist Corner Angle  
**ZL11** | 2 Hole Corner Angle  
**ZL12** | 3 Hole Corner Angle  
**ZL13** | 4 Hole Corner Angle  
**ZL14** | 2 Hole 3" Corner Angle  
**ZL15** | 2 Hole 3½" Corner Angle  
**ZL16** | 2 Hole 4" Corner Angle  
**ZL20** | 2 Hole Cross Corner Angle  
**ZL21** | 3 Hole Corner Angle  
**ZL22** | 3 Hole Cross Gusset Corner Angle  
**ZL23** | 5 Hole Cross Gusset Corner Angle  
**ZL24** | 4 Hole Gusset Shelf Angle  
**ZL25** | 4 Hole Gusset Corner Angle  
**ZL30** | 3 Hole 3 Way Corner Angle  
**ZL31** | 4 Hole 3 Way Corner Angle  
**ZL32** | 4 Hole 3 Way Gusset Corner Angle  
**ZL33** | 5 Hole 3 Way Gusset Corner Angle  
**ZL34** | 7 Hole Universal Gusset Corner Angle  
**ZL35** | 4 Hole Gusset Corner Angle Left  
**ZL36** | 4 Hole Gusset Corner Angle Right  
**ZL40** | 2 Hole 2½" Adjustable Corner Angle  
**ZL41** | 2 Hole 4¾" Adjustable Corner Angle  
**ZL42** | 2 Hole 6¾" Adjustable Corner Angle  
**ZL43** | 3 Hole Adjustable Corner Angle  
**ZL44** | 2 Hole Adjustable Gusset Corner Angle  
**ZL45** | 4 Hole 6½" Adjustable Gusset Corner Angle  
**ZL46** | 4 Hole 8½" Adjustable Corner Angle

**ZL50** | 4 Hole Offset Corner Angle  
**ZL51** | 4 Hole Offset Bent Tee Left  
**ZL52** | 4 Hole Offset Bent Tee Right  
**ZL60** | 2 Hole Open Corner Angle  
**ZL61** | 2 Hole Closed Corner Angle  
**ZL62** | 4 Hole Open Corner Angle  
**ZL63** | 4 Hole Closed Corner Angle  
**ZL64** | 4 Hole Adjustable Corner Angle  
**ZL64H** | 2 Hole Adjustable Angle Half  
**ZL65** | 3 Hole Adjustable Corner Angle  
**ZL66** | 2 Hole Adjustable Corner Angle  
**ZL66H** | 1 Hole Adjustable Angle Half  
**ZL67** | Adjustable Brace Fitting  
**ZL68** | Double Adjustable Brace Fitting  
**ZL70** | 3¾" Corner Angle  
**ZL71** | 5¾" Corner Angle  
**ZL72** | 7¾" Corner Angle  
**ZL73** | 9¾" Corner Angle  
**ZL80—ZL84** | 8–24" Angle Brace

## BEAM CLAMPS

**ZBC10** | Formed Steel  
**ZBC11** | Formed Steel With J-Hook  
**ZBC13** | Anchor Strap  
**ZBC14** | Swivel Adapter for ZBC10  
**ZBC15** | Formed Steel  
**ZBC16** | Formed Steel Heavy Duty  
**ZBC17** | Formed Steel Heavy Duty  
**ZBC20, ZBC21** | Strut to Beam Clamp C-Type  
**ZBC22** | Strut to Beam Clamp C-Type, Parallel  
**ZBC24** | Cable Tray Guide  
**ZBC30** | Strut to Beam Clamp Z-Type  
**ZBC40** | Strut to Beam Clamp Window Type  
**ZBC70** | Strut to Beam Clamp Notched Type  
**ZBC50** | Strut to Beam Spreader Caps  
**ZBC51** | Strut to Beam Spreader Caps  
**ZBC60** | Strut to Beam Clamp Square U-Bolt  
**ZBC61** | Strut to Beam Clamp Square U-Bolt  
**ZBC62** | Strut to Beam Clamp Square U-Bolt and J-Hook  
**ZBC63** | Strut to Beam Clamp Square U-Bolt and J-Hook  
**ZBC64** | Strut to Beam Clamp Square U-Bolt  
**ZBC65** | Strut to Beam Clamp Square U-Bolt  
**ZBC66** | Strut to Beam Clamp Square U-Bolt  
**ZBC68** | Strut to Beam Clamp Square U-Bolt  
**ZBC80** | Malleable Iron Universal  
**ZBC81** | Wide Mouth Malleable Iron Universal  
**ZRBS** | Retrofit Beam Clamp Retaining Strap  
**ZRS** | Retaining Strap  
**ZBC90** | Malleable Iron Rod Support  
**ZBC91** | Malleable Iron Universal  
**ZBC92** | Light Duty  
**ZRA** | Right Angle Clamp

## BRACKETS

**ZBR8R** | Slotted Shelf Bracket (Right Hand)  
**ZBR8L** | Slotted Shelf Bracket (Left Hand)  
**ZBR20** | Bracket 3 Hole  
**ZBR21** | Bracket 6 Hole  
**ZBR22** | Bracket With Brace 6 Hole  
**ZBR30** | Bracket for 1½" Channel  
**ZBR31** | Bracket for ¾" Channel  
**ZBR40** | Bracket for 1½" Channel 2 Hole  
**ZBR41** | Bracket 1½" Channel Wrap  
**ZBR42** | Bracket Double 1½" Channel  
**ZBR43** | Bracket Channel Notched, Up  
**ZBR44** | Bracket Channel Notched, Down  
**ZBR45** | Bracket Channel  
**ZBR46** | Bracket 1½" Channel 2 Hole Heavy  
**ZBR47** | Ladder Bracket  
**ZBR50** | Utility Pole Bracket Extended Standoff  
**ZPB1** | Extended Riser Bracket  
**ZPB5** | Standoff Riser Bracket

## CONCRETE INSERTS

**ZCI** | Concrete Insert  
**ZCIN** | Concrete Insert Nut  
**ZCI20, ZCI21, ZCI22** | Concrete End Cap Anchor

## ELECTRICAL

**ZEF10** | Hinged Fluorescent Fixture Hanger 1½" Channel, ⅝" Hole  
**ZEF11** | Hinged Fluorescent Fixture Hanger ¾" Channel, ⅝" Hole  
**ZEF12** | Hinged Fluorescent Fixture Hanger 1½" Channel, ⅞" Hole  
**ZEF13** | Hinged Fluorescent Fixture Hanger ¾" Channel, ⅞" Hole  
**ZEF19** | Fixture Stud Nut  
**ZEF20** | End Cap Knock Out With Hardware  
**ZEF21** | Wiring Stud  
**ZEF22** | Conduit Connection Plate  
**ZEF30** | Channel Splice 4 Hole Assembly With Tapped Plate  
**ZEF31** | Channel Splice 4 Hole Assembly With Stud Plate  
**ZEF33** | Inside Strut Joiner  
**ZEF40** | Outlet Box Bolt Down  
**ZEF41** | Junction Box Universal With 1 Conduit Attachment  
**ZEF42** | Junction Box Universal With 2 Connectors at 90°  
**ZEF43** | Junction Box Universal With 2 Connectors Opposite  
**ZEF44** | Junction Box Universal With 3 Conduit Attachments  
**ZEF45** | Junction Box Universal With 4 Conduit Attachments  
**ZEF46** | ¼" x ¾" Carriage Bolt and ¼" Wing Nut

## POST BASES

**ZP10** | Single Channel 2 Hole Square  
**ZP11** | Single Channel 2 Hole Square Flush  
**ZP12** | Single Channel 4 Hole Standard 1½"  
**ZP13** | Single Channel 4 Hole Standard 3½"  
**ZP14** | Single Channel 4 Hole Square 3½"  
**ZP15** | Single Channel Gusset 4 Hole Square 3½"  
**ZP16** | Double Channel 1 Hole Square 1½"  
**ZP17** | Double Channel 2 Hole Square 3½" Boxed  
**ZP18** | Double Channel 4 Hole Standard 1½"  
**ZP19** | Double Channel 4 Hole Standard 3½"  
**ZP20** | Double Channel 4 Hole Square 3½"  
**ZP21** | Single Channel 2 Hole Flush 1½"  
**ZP22** | Single Channel 4 Hole Square 1½"  
**ZP23** | Double Channel 2 Hole Square Flush 3½"  
**ZP24** | Double Channel 2 Hole Square Flush 1½"  
**ZP26** | Single Channel 2 Hole Square Flush 3½"  
**ZP27** | Four Channel Combination 4 Hole Standard 3½"  
**ZP28** | Double Channel 4 Hole Square 1½"  
**ZP29** | Double Channel 4 Hole Standard 3½"  
**ZP30** | Double Channel 4 Hole Square 3½"

## ROLLERS

**ZR10** | Trolley 2 Bearing Assembly  
**ZR11** | Trolley 4 Bearing Assembly  
**ZR20** | Pipe Roller 1-4" Pipe  
**ZR21** | Pipe Roller  
**ZR22** | Pipe Roller Heavy Duty  
**ZR23** | Pipe Roller Heavy Duty

## U-FITTINGS

**ZU10** | Cross 3 Hole 1⅜"  
**ZU11** | Cross 5 Hole 1½"  
**ZU12** | Cross 3 Hole 2⅞"  
**ZU13** | Cross 3 Hole ¾"  
**ZU14** | Cross 3 Hole 4⅞"  
**ZU15** | Cross 8 Hole 1½"  
**ZU16** | Cross 6 Hole 1½" Double Channel  
**ZU20** | Cross 1 Hole 2 Slot 1½" x 7¼"  
**ZU21** | Cross 1 Hole 2 Slot 1½" x 8½"  
**ZU22** | Cross 1 Hole 2 Slot 1½" x 10½"  
**ZU30** | Splice 2 Hole 1½" Channel  
**ZU31** | Splice 3 Hole 1½" Channel  
**ZU32** | Splice 4 Hole 1½" Channel  
**ZU33** | Splice 4 Hole 1⅜" Channel  
**ZU34** | Splice 2 Hole 1⅜" Channel  
**ZU35** | Splice 4 Hole 2⅞" Channel  
**ZU36** | Splice 4 Hole ¾" Channel  
**ZU40** | Trolley Support 3 Hole Standard  
**ZU41** | Trolley Support 3 Hole Heavy Duty  
**ZU50** | 4 Hole Cup Support  
**ZU60** | Clevis 2 Hole  
**ZU70** | Saddle Washer

## WING FITTINGS

**ZW10** | Single Corner 3 Hole Right  
**ZW11** | Single Corner 3 Hole Left  
**ZW12** | Single Corner 4 Hole Right  
**ZW13** | Single Corner 4 Hole Left  
**ZW14** | Single Corner 6 Hole Gusset Right  
**ZW15** | Single Corner 6 Hole Gusset Left  
**ZW16** | Single Corner 6 Hole Right  
**ZW17** | Single Corner 6 Hole Left  
**ZW20** | Double Corner 4 Hole  
**ZW21** | Double Corner 6 Hole  
**ZW22** | Double Corner 8 Hole  
**ZW23** | Double Corner 8 Hole Gusset  
**ZW24** | Double Corner 8 Hole Double Gusset  
**ZW30** | Corner Connector 5 Hole Opposed  
**ZW31** | Corner Connector 8 Hole Opposed  
**ZW32** | Connector 10 Hole Opposed  
**ZW33** | Connector 10 Hole Opposed Double Gusset  
**ZW40** | Triple Corner 6 Hole  
**ZW41** | Triple Corner 9 Hole  
**ZW42** | Triple Corner 12 Hole  
**ZW43** | Triple Corner 12 Hole Gusset  
**ZW50** | Double Corner Connector 8 Hole

## Z-FITTINGS

**ZZ10** | Cross 2 Hole 1⅜"  
**ZZ11** | Cross 2 Hole 1½"  
**ZZ12** | Cross 2 Hole 2⅞"  
**ZZ13** | Cross 2 Hole ¾"  
**ZZ14** | Cross 2 Hole 1"  
**ZZ20** | Offset Support 2 Hole  
**ZZ30** | 2 Hole Support 4"  
**ZZ31** | 2 Hole Support 5"  
**ZZ32** | 2 Hole Support 6"  
**ZZ33** | 2 Hole Support 7"  
**ZZ34** | 2 Hole Support 8"  
**ZZ40** | Channel Hanger 1⅜"  
**ZZ41** | Channel Hanger 1½"  
**ZZ42** | Channel Hanger 2⅞"  
**ZZ43** | Channel Hanger ¾"  
**ZZ50** | Corner Brace 3 Hole  
**ZZ51** | Corner Brace 8 Hole  
**ZZ60** | Slotted Support

## ROOFTOP SUPPORT BLOCKS

**ZRSB** | Plain Base  
**ZRSB** | 1⅜", 1½", & 2⅞" Channel  
**ZRSB — Bridge Series** | 1½" Channel

## THREADED ROD

**TR** | Threaded Rod