

| SHAPE | SAMPLE DESIGNATION | EXPLANATION | RANGE OF AVAILABLE SIZE |
|---------------|--------------------|---|--|
| STRUCTURE TEE | WT 13.5 X 47 | WT - TEE made BY SPLITTING W SHAPE RST # THE NOMINAL DEPTH IN INCHES | WIDE-ANGLE & AMERICAN STANDARD BEAMS & DEPTHS DIVIDE BY 2 TO ARRIVE AT AVAILABLE DEPTH FOR STRUCTURAL TEES MADE FROM THESE SHAPES. |
| ANGLE | L 4 X 3 X 3/4 | L - AN ANGLE RST TWO # ARE THE NOMINAL DEPTH IN INCHES OF THE TWO LEGS & LAST # IS THE THICKNESS INCHES OF THE LEGS | OF 2", 2 1/2", 3", 3 1/2", 4", 5", 6", 7", & 8" LEG THICKNESS FROM 1/8" TO 1 1/8" |

CAST STEEL - BY POURING MOLTEN STEEL DIRECTLY INTO MOLDS & ALLOWING THE STEEL TO COOL.

COLD-WORKED STEEL - STEEL CAN BE COLD-WORKED OR COLD FORMED IN A SO-CALLED COLD STATE (ROOM TEMPERATURE) COLD WORKING CAUSES THE STEEL TO GAIN CONSIDERABLE STRENGTH THROUGH A REALIGNMENT OF ITS CRYSTALLINE STRUCTURE.

OPEN-WEB STEEL JOISTS - MANY STRUCTURAL STEEL PRODUCTS FABRICATED FROM HOT & COLD-ROLLED SHAPES, THE MOST COMMON IS THE OPEN-WEB STEEL JOIST (OWSJ), A MASS-PRODUCED TRUSS USED IN CLOSELY SPACED ARRAYS TO SUPPORT FLOOR AND ROOF DECKS.