

resembles a section of a helically-threaded screw.

Wrapped joints: a wrapped electrical joint is one in which a rectangular pin or stake is tightly bound several times with wire; a special tool is used to make the wrap and this

method breaks down any surface film on the pin or the wire.

Wrist pin: (mech) gudgeon pin; piston pin.

Wrought: metal which has been formed by cold-rolling, forging, pressing, drawing, or extruding, and is therefore not described as 'cast'.

X

X-band: a band of frequencies used in radar working from 5200 MHz to 10 900 MHz.

X-ray density: the theoretical maxi-

mum density of the mass in a perfect unit crystal cell divided by the cell volume.

XPS: expanded polystyrene (qv).

Y

Yellow brass: nominally 65-35 copper-zinc alloy.

Y_{fe}: (electronics, semiconductors) common emitter forward transfer ratio mutual conductance.

Y_{ie}: (electronics, semiconductors) common emitter input admittance.

Yield: (foundry) the weight of a finished casting divided by the total weight of metal needed to produce it, including running system, *etc.*

Yield point: the first stress in a material, usually less than the maximum attainable stress, at which an increase in strain occurs without an increase in stress.

Yield strength: the stress at which a material shows a specified limit of permanent strain, from a proportional stress:strain relationship.

Young's modulus: modulus of elasticity; see elastic modulus.