

## TRU SHAFT 44-HS

### HIGH STRESS, LOW FATIGUE SHAFTING

**TRU SHAFT 44-HS** is a high strength, carbon - manganese steel that is readily machinable and is suitable in many applications as a replacement for heat treated steels. Can be in a Cold Drawn or Ground & Polished condition.

### APPLICATIONS

Arbors	Armature Shafts	Boring Bars	Bushings
Collets	Gears	Keyed Shafts	Mandrels
Pinions	Piston Rods	Sleeves	Spindles
Rotary Pump Shafts		Water Pump Shafts	

### MATERIAL SPECIFICATIONS

#### CHEMICAL PROPERTIES

C	.40/.48
Mn	1.35/1.65
P	.040 max
S	.24/.33
Si	.15/.30

#### PHYSICAL PROPERTIES

HARDNESS	Rc 30
TENSILE (PSI)	125,000
ELONGATION	12%
RED OF AREA	20%