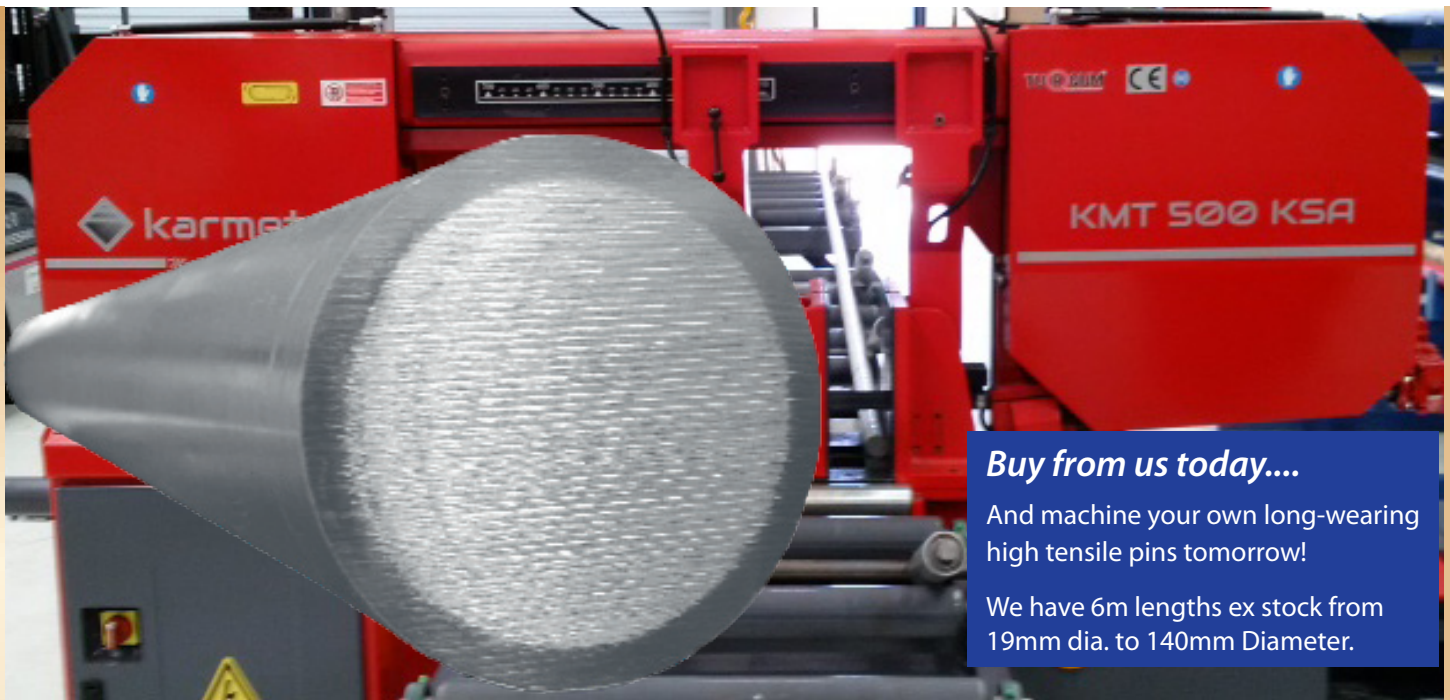


# Induction Hardened K1045 Bright Shaft

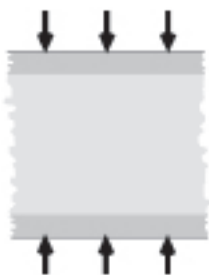


**Buy from us today....**

And machine your own long-wearing high tensile pins tomorrow!

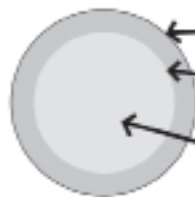
We have 6m lengths ex stock from 19mm dia. to 140mm Diameter.

For this improved engineering concept:



HEAVY WALL CASE COMPRESSING DUCTILE CORE GIVES HI - TENSILE STRENGTH!

DIMENSIONALLY STABLE TO H10 TOLERANCE



HARDNESS 56 TO 60 ROCKWELL C

CASE DEPTH: 2.5 TO 4.0mm

DUCTILE CORE: UNAFFECTED BY HEAT TREATMENT STRAIGHTNESS OF ORIGINAL SHAFTING

This *Pre-Hardened Shafting* is easily machined with Tungsten Carbides such as Mitsubishi VP15TF and Iscar IC907 Carbide, Whisker reinforced Ceramics etc.

#### **Part it off in the lathe!**

Using Iscar IC908, IC354 or IC328 Tungsten Tips, Tungaloy

#### **Machine circlip grooves!**

As narrow as 1.2mm with Iscar IC908

#### **Cross- Drill bolt holes!**

With masonry drills, solid carbide etc, or spot anneal with flame, then drill with High Speed Steel.

#### **Bore it!**

With conventional tools within 5mm of surface!

#### **Mill it!**

With Iscar IC908 & IC830 tungsten inserts.

#### **Weld it!**

With general purpose electrodes & MIG Welding.

#### **THE EARTHMOVING ENGINEER'S FIRST CHOICE:**

Most pins used in earthmoving equipment by original manufacturers are *Induction Hardened K1045*.

**Toughness** - the ability to resist breaking ~ is best produced by *Induction Hardening* resulting in much higher tensile shear and yield strength than *Hardened & Tempered 4140*.

**Surface hardness** - the ability to resist wear by abrasion ~ is produced to greater depths by *Induction Hardening* to an optimum 58 Rockwell C (625 brinell) giving wear life up to 10 times longer than *Hardened & Tempered 4140*

#### **THE EARTHMOVING ENGINEER'S ULTIMATE PIN**

KSet Super Pin material is made by *Induction Hardening* the precision ground *Hardened & Tempered 4140* steel (as available from steel stores) to 58 Rockwell C

Never use ordinary *Hardened & Tempered 4140* again!

# Induction Hardened K1045 Round Bar - Pin Steel

SHAFTS - Convenient ONE METRE Lengths				
Diameter		Length	Price EX GST	Weight
3/4"	19mm	1000mm	\$ 50	2.3kg
	20mm	1000mm	\$ 74	2.5kg
7/8"	22.2m	1000mm	\$ 86	3.0kg
	25mm	1000mm	\$ 90	3.9kg
1"	25.4mm	1000mm	\$ 94	4.0kg
1 1/8"	28.5mm	1000mm	\$ 104	5.0kg
	30.0mm	1000mm	\$ 80	5.6kg
1 1/4"	31.7mm	1000mm	\$ 86	6.2kg
	35mm	1000mm	\$ 90	7.6kg
1 1/2"	38.1mm	1000mm	\$ 97	9.0kg
	40mm	1000mm	\$ 108	9.9kg
1 3/4"	44.4mm	1000mm	\$ 120	12.2kg
	45mm	1000mm	\$ 125	12.5kg
	50mm	1000mm	\$ 150	15.4kg
	50.8mm	1000mm	\$ 154	16.0kg
2"	55mm	1000mm	\$ 190	18.7kg
	57.1mm	1000mm	\$ 190	20.2kg
2 1/4"	60mm	1000mm	\$ 210	22.2kg
	63.5mm	1000mm	\$ 230	24.9kg
2 1/2"	65mm	1000mm	\$ 240	26.1kg
	69.8mm	1000mm	\$ 290	30.1kg
2 3/4"	70mm	1000mm	\$ 300	30.2kg
	75mm	1000mm	\$ 330	34.7kg
3"	76.2mm	1000mm	\$ 350	35.8kg
	80mm	1000mm	\$ 385	39.5kg
3 1/4"	82.5mm	1000mm	\$ 430	42.0kg
	85mm	1000mm	\$ 425	44.6kg
3 1/2"	88.8mm	1000mm	\$ 450	48.7kg
	90mm	1000mm	\$ 450	50.0kg
	95mm	1000mm	\$ 480	55.6kg
	100mm	1000mm	\$ 540	61.7kg
4"	101.6mm	1000mm	\$ 575	63.7kg
	110mm	1000mm	\$ 795	74.6kg
	115mm	1000mm	\$ 860	81.6kg
	120mm	1000mm	\$ 900	90.0kg
	125mm	1000mm	\$ 1020	96.4kg
	130mm	1000mm	\$ 1060	107.4kg
	135mm	1000mm	\$ 1200	115.8kg
	140mm	1000mm	\$ 1100	121.0kg

PINS - 50mm Mild one end - Easy Drilling				
Diameter		Length	Price EX GST	Weight
1 3/4"	40mm	600mm	\$ 94	6.0kg
	44.4mm	600mm	\$ 80	7.3kg
	45mm	600mm	\$ 80	6.3kg
	50m	600mm	\$110	9.3kg
	50.8mm	600mm	POA	9.6kg
2"	55mm	600mm	POA	11.2kg
	57.1mm	600mm	POA	12.1kg
2 1/4"	60mm	600mm	POA	13.3kg
	63.5mm	600mm	POA	15.0kg
2 1/2"	65mm	600mm	POA	15.6kg
	69.8mm	600mm	POA	18.0kg
2 3/4"	70mm	600mm	POA	18.1kg
	71mm	850mm	POA	26.7kg
4140	75mm	600mm	POA	20.8kg
	76.2mm	600mm	POA	21.5kg
3"	76.2mm	800mm	POA	28.7kg
	80mm	500mm	POA	19.8kg
	80mm	600mm	POA	23.7kg
	80mm	800mm	POA	31.6kg
3 1/4"	82.5mm	600mm	POA	25.2kg
	85mm	600mm	POA	25.2kg
	85mm	800mm	POA	35.6kg
	88.8mm	600mm	POA	29.2kg
3 1/2"	88.8mm	800mm	POA	39.0kg
	90mm	600mm	POA	30.0kg
	90mm	650mm	POA	32.5kg
	90mm	800mm	POA	40.0kg
	95mm	600mm	POA	33.4kg
	95mm	800mm	POA	44.5kg
	100mm	650mm	POA	37.0kg
	100mm	800mm	POA	49.4kg
4"	101.5mm	600mm	POA	38.2kg
	110mm	650mm	POA	44.8kg
	110mm	800mm	POA	59.7kg
	120mm	650mm	POA	57.7kg
	120mm	800mm	POA	71.0kg

## BULK DISCOUNT SCHEDULE:

APPLIES ONLY TO SINGLE CONSIGNMENTS OF THE ABOVE BARS, WHETHER MIXED DIAMETERS OR THE SAME

1 Tonne Rate: 30% Discount (950kg to 1250kg.)

1/2 Tonne Rate: 22% Discount (450kg to 949kg)

Standard Manufacturing Tolerance for Bright Bar is h10.

h10 = Plus 0.0mm / Minus amount shown below:

Round Bar up to 30mm Ø: -0.084mm | 31 to 50 Ø: -0.1mm | 51 to 80 Ø: -0.12mm | 81 to 120 Ø: -0.14mm