

## 8620 / 8620H ALLOY CASE HARDENING STEEL

### RELATED SPECIFICATIONS:

<b>Australia</b>	AS 1444-2007 – 8620/8620H
<b>Germany</b>	W.Nr 1.6523 DIN 21NiCrMo2
<b>Great Britain</b>	BS970 – Part 3 – 1991 805 M20
	BS970 – 1955 EN362
<b>USA</b>	SAE 8620 AISI 8620
	ASTM A29/A29M 1991 8620
	UNS G 86200
<b>Japan</b>	JIS G 4052 SNCM 220H

### DESCRIPTION:

8620 / 8620H is a low Nickel Chromium Molybdenum case hardening (carburising) steel. Can Be supplied in “H” condition with controlled hardenability. Strict analytical limits provide controlled response from heat to heat, making it an ideal selection for production case hardened parts, where consistency in heat treatment is required. Typical core strength up to Rc41 Carburised, hardened and tempered.

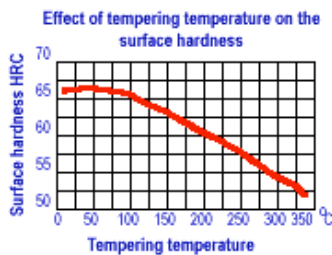
### APPLICATIONS:

This grade finds wide application in the automotive industry and for ring gears, pinions, racks and worms, helical gears, bearing races, pins and high tensile chains.

### TYPICAL CHEMICAL ANALYSIS:

<b>C</b> %	<b>Si</b> %	<b>Mn</b> %	<b>Cr</b> %	<b>Ni</b> %	<b>Mo</b> %
0.20	0.25	0.80	0.50	0.50	0.20

### TYPICAL TEMPERING RESULT:



### SIZES AVAILABLE:

Round (mm):spa

25	30	35	39	40	42	43.5	45	48	50	52	56	60	63.5	65
70	75	80	85	90	95	100	105	110	120	130	140	150	160	170
180	190	200	220	250										

### COLOUR CODE: WHITE AND SIGNAL RED END

