

X3312 (EN36A) ALLOY CASE HARDENING STEEL

RELATED SPECIFICATIONS:

Australia	AS 1444-2007 – X3312/X3312H
Germany	W.Nr 1.5752 DIN 14NiCr14
Great Britain	BS970 – Part 3 – 1991 655 M13
	BS970 – 1955 EN36A
USA	SAE 3310 9310
	AISI E 3310 E9310
	UNS G33106/G93106
Japan	JIS G 4052 SNC815H
	JIS G 4102 SNC815

DESCRIPTION:

X3312 is a general purpose, high core strength case hardening (carburising) steel, combining good toughness and high case hardness after carburising and quenching. Typical core strength up to Rc42 carburised, hardened and tempered.

APPLICATIONS:

Used extensively for highly stressed gears and required for high surface resistance and impact properties for agricultural machinery, mining equipment, pins and bushes and heavy loaded shafts.

TYPICAL CHEMICAL ANALYSIS:

C %	Si %	Mn %	Cr %	Ni %
0.12	0.25	0.50	0.90	3.20

SIZES AVAILABLE:

Round: (mm)

18	25	28	30	32	35	38	40	42	45	50	53.5	55	60	65
70	75	80	85	90	92	95	100	105	110	115	120	125	130	136
140	150	160	170	175	180	183	185	190	200	205	210	220	230	240
250	260	280	305	400										

ALSO AVAILABLE IN ULTRA CLEAN STEEL FOR IMPROVED FATIGUE LIFE

COLOUR CODE: SIGNAL RED END

