

Alloy Steels

Product Specifications

AISI/ ASTM	MATERIAL				CHEMISTRY									HEAT TREATMENT DETAILS					
	EN	DIN	JIS	C	Si	Mn	P	S	Cr	W	Mo	Ni	V	Annealing (Slow Cooling)	Quenchant (Hot Bath)	Quenching	Tempering (Air Cooling)	Annealed (HB)-max	Quenched & (Hrc) Tempered
4340	EN 24			0.40	0.25	0.65	0.03	0.04	1.2		0.37	1.50		650-700	OIL	830-850	670-530	220	48
1045	EN 43B	Ck45		0.45	0.25	0.8	0.03	0.03						660-700	OIL/WATER	830-860	670-530	190	38

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Size Range

ALLOY STEEL	AISI	DIN	Supply condition	Rounds	Square	Flat	Application
	4340	(En24)	Annealed	8 ÷ 1000	100 ÷ 400	300x50 ÷ 500x300	Used in construction of aircrafts and heavy vehicle for crankshaft, gearshaft, camshaft, propeller shaft etc.
	1045	Ck45	Annealed	25 ÷ 700		300x20 ÷ 1500x250	General engineering and mould bases.