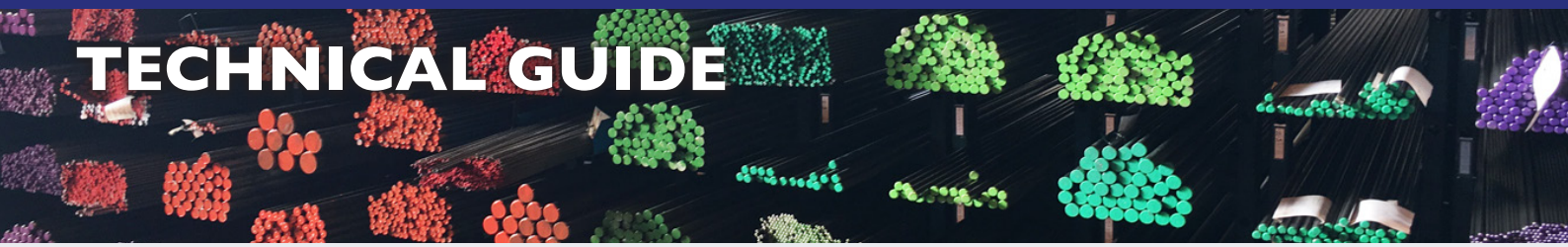

815M17 / EN353

Steel Description

815M17 / EN353 is a 1.1/4% Nickel Chromium Casehardening Steel that is supplied in the bright peeled or hot rolled condition. 815M17 / EN353 can be carburised and hardened to produce a hard wear resistant case with a core strength of 770N/mm2, suitable for the manufacture of gears, camshafts, pinions, tappets, valve rockers, collets, track pins, steering parts & other transmission components.

BS970: 1955	BS970: 1991	COLOUR CODE	DESCRIPTION
EN353	815M17		Bright / black 1.1/4% nickel chromium case hardening steel

CHEMICAL ANALYSIS	
Car	0.14 / 0.20
Sil	0.10 / 0.40
Mang	0.60 / 0.90
Chr	0.80 / 1.20
Moly	0.10 / 0.20
Nick	1.20 /1.70

INTERNATIONAL SPECIFICATION COMPARISON	
BRITISH BS 970:1991	815M17
BRITISH BS 970:1955	EN353
GERMAN DIN	20NiCrMo5
FRENCH AFNOR	20NCD5
SWEDISH SS	2523
AMERICAN SAE	
EUROPEAN STEEL NO.	
EUROPEAN STEEL NAME	17NiCrMoS6-4
EUROPEAN STANDARD	EN10277-4

QUICK VIEW SYSTEM	
MACHINEABILITY	75
WELDABILITY	Pre / post heat precaution required
HARDENABILITY	Low alloy case hardening
SELECTION GUIDE AND USAGE EXAMPLES	As EN352 but higher strength. Shafts, pinions, and clutch plates

SIZE RANGE SUMMARY			
●	Rounds	MM	47mm - 75mm dia

SEE STOCK RANGE FOR SPECIFIC SIZES.