


TECHNICAL GUIDE

637M17 / EN352

Steel Description

637M17 / EN352 is a 1% Nickel Chromium Casehardening Steel that is supplied in the bright peeled or hot rolled condition. 637M17 / EN352 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
EN352	637M17		Bright / black 1% nickel chromium case hardening steel

CHEMICAL ANALYSIS	
Car	0.14 / 0.20
Sil	0.10 / 0.40
Mang	0.60 / 0.90
Chr	0.60 / 1.00
Nick	0.85 / 1.25

INTERNATIONAL SPECIFICATION COMPARISON	
BRITISH BS 970:1991	637M17
BRITISH BS 970:1955	EN352
GERMAN DIN	
FRENCH AFNOR	20NC6
SWEDISH SS	2512
AMERICAN SAE	3120
EUROPEAN STEEL NO.	
EUROPEAN STEEL NAME	
EUROPEAN STANDARD	

QUICK VIEW SYSTEM	
MACHINEABILITY	75
WELDABILITY	Pre / post heat precaution required
HARDENABILITY	Low alloy case hardening
SELECTION GUIDE AND USAGE EXAMPLES	As EN351 but higher strength. pinions, layshafts, and camshafts

SIZE RANGE SUMMARY			
	Rounds	IMP	1.329" dia

SEE STOCK RANGE FOR SPECIFIC SIZES.