


TECHNICAL GUIDE

655M13/EN36B

BS970: 1955	BS970: 1991	COLOUR CODE	DESCRIPTION
EN36B	655M13		Bright / black 3% nickel chromium case hardening steel

CHEMICAL ANALYSIS	
Car	0.10 / 0.16
Sil	0.10 / 0.40
Mang	0.35 / 0.60
Chr	0.70 / 1.00
Nick	3.00 / 3.75

INTERNATIONAL SPECIFICATION COMPARISON	
BRITISH BS 970:1991	655M13
BRITISH BS 970:1955	EN36B
GERMAN DIN	
FRENCH AFNOR	
SWEDISH SS	
AMERICAN SAE	3415
EUROPEAN STEEL NO.	
EUROPEAN STEEL NAME	15NiCr13
EUROPEAN STANDARD	EN10277-4

QUICK VIEW SYSTEM	
MACHINEABILITY	65
WELDABILITY	Satisfactory
HARDENABILITY	High strength case hardening
SELECTION GUIDE AND USAGE EXAMPLES	Nickel & chrome permits deep hardening & a very tough core after hardening. Heavy duty gears & camshafts

SIZES														
Size (ins. dia)	1/2	5/8	3/4	7/8	1	1.1/8	1.1/4	1.3/8	1.1/2	1.5/8	1.3/4	2	2.1/4	2.1/2
	2.3/4	3												

Size (mm. dia)	90.00	100.00	110.00	120.00	125.00	130.00	140.00	150.00	160.00	170.00	180.00	190.00	200.00	220.00
	240.00	260.00												