


TECHNICAL GUIDE

606M36T/ENI6MT

BS970: 1955	BS970: 1991	COLOUR CODE	DESCRIPTION
ENI6MT	606M36T		Bright drawn semi freecutting manganese molybdenum steel

CHEMICAL ANALYSIS	
Car	0.32 / 0.40
Sil	0.10 / 0.40
Mang	1.30 / 1.70
Phos	0.035 max
Sul	0.15 / 0.25
Moly	0.22 / 0.30

MECHANICAL PROPERTIES	
Tensile Strength N/MM2 Min Rm	850 / 1000
Yield Stress N/MM2 Min Rm	700
Elongation A Min % on 5.65v/50	8
Izod Min	40
Kcv Min	-
Proof Stress 0.2% N/MM2 Min	680
Brinell Hardness	248 / 302

INTERNATIONAL SPECIFICATION COMPARISON	
BRITISH BS 970:1991	606M36T
BRITISH BS 970:1955	ENI6MT
GERMAN DIN	
FRENCH AFNOR	
SWEDISH SS	
AMERICAN SAE	
EUROPEAN STEEL NO.	
EUROPEAN STEEL NAME	
EUROPEAN STANDARD	

QUICK VIEW SYSTEM	
MACHINEABILITY	90
WELDABILITY	Not recommended
HARDENABILITY	High strength up to 30mm dia
SELECTION GUIDE AND USAGE EXAMPLES	As ENI6T, but more suitable for repetition machining

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	1.3/4	1.7/8	2	2.1/2	
Size (mm. dia)	10.00	12.00	16.00	19.00	20.00	25.00	30.00	40.00	45.00	50.00				