

## 605M36T/EN16T

BS970: 1955	BS970: 1991	COLOUR CODE	DESCRIPTION
EN16T	605M36T		Bright / black 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	0.040 max			
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 5.65√SO	9						
Izod Min	54						
Kcv Min	-						
Proof Stress 0.2% N/MM2 Min	680						
Brinell Hardness	248 / 302						

INTERNATIONAL SPECIFICATION COMPARISON						
BRITISH BS 970:1991	605M36T					
BRITISH BS 970:1955	EN16T					
GERMAN DIN						
FRENCH AFNOR						
SWEDISH SS						
AMERICAN SAE						
EUROPEAN STEEL NO.						
EUROPEAN STEEL NAME						
EUROPEAN STANDARD						

QUICK VIEW SYSTEM								
MACHINEABILITY	45							
WELDABILITY	Pre / post heat precaution required							
HARDENABILITY	High strength up to 39mm dia							
SELECTION GUIDE AND USAGE EXAMPLES	Good mechanical properties, ductility and shock resistance. crankshafts, conrods and shafts							

							SIZES							
Size (ins. dia)	3/8	1/2	0.556	3/4	I	1.7/8	2	2.1/4	2.3/8	2.1/2	2.3/4	3		
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Size (mm. dia)	19.00	85.00	90.00	100.00	115.00	160.00	165.00							
						'	'		'	'		,		
Size (ins.A/F)	0.750													
						•	•			•		•	•	
Size (mm A/F)	50													

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