

080A42/EN8D

BS970: 1955	BS970: 1991	COLOUR CODE	DESCRIPTION
EN8D	080A42		Bright / black "40" carbon steel

CHEMICAL ANALYSIS				
Car	0.40 / 0.45			
Sil	0.10 / 0.40			
Mang	0.70 / 0.90			
Phos	0.05 max			
Sul	0.05 max			
Chr	-			
Moly	-			
Nick	-			
Lead	-			

international specif	H BS 970:1955 EN8D N DIN CK40 H AFNOR XC42 SH SS 1650 CAN SAE 1040 EAN STEEL NO. 1.1186				
BRITISH BS 970:1991	080A42				
BRITISH BS 970:1955	EN8D				
GERMAN DIN	CK40				
FRENCH AFNOR	XC42				
SWEDISH SS	1650				
AMERICAN SAE	1040				
EUROPEAN STEEL NO.	1.1186				
EUROPEAN STEEL NAME	C40E				
EUROPEAN STANDARD	EN10277-2				

QUICK VIEW SYSTEM						
MACHINEABILITY	80					
WELDABILITY	Precaution may be required					
HARDENABILITY	Small sizes suitable for induction hardening					
SELECTION GUIDE AND USAGE EXAMPLES	Medium tensile strength. Axles, shafts, spindles and studs					

							SIZES							
Size (ins. dia)	1/4	I	1.1/4	1.1/2	1.3/4	2	2	2.1/4	2.3/8	2.1/2	3	3.1/4	3.1/2	3.3/4
	4	4.1/4	4.1/2	4.3/4	5	5.1/2	6							
	0.00	45.00	50.00	55.00	60.00	75.00	80.00	90.00	100.00	115.00	120.00	130.00	140.00	150.00
Size (mm. dia)	155.00	160.00	170.00	190.00	200.00	220.00	230.00	240.00	250.00	255.00	260.00	270.00	280.00	300.00
	320.00	330.00												
Size (ins. sq)	3/16	1.1/4	1.1/2	2.1/2	3									