


TECHNICAL GUIDE

416S21/European No.1.4005

EN 10088-3	BS970: 1991	COLOUR CODE	DESCRIPTION
European No. 1.4005	416S21		Martensitic freecutting stainless steel

CHEMICAL ANALYSIS	
Car	0.09 / 0.15
Sil	1.00 max
Mang	1.50 max
Phos	0.060 max
Sul	0.15 / 0.35
Chr	11.5 / 13.5
Moly	0.60 max
Nick	1.00 max

INTERNATIONAL SPECIFICATION COMPARISON	
BRITISH BS 970:1991	416S21
BRITISH BS 970:1955	
GERMAN DIN	
FRENCH AFNOR	
SWEDISH SS	
AMERICAN SAE	
EUROPEAN STEEL NO.	1.4005
EUROPEAN STEEL NAME	X12CrS13
EUROPEAN STANDARD	EN10088-3

QUICK VIEW SYSTEM	
MACHINEABILITY	130
WELDABILITY	Not recommended
HARDENABILITY	Not applicable
SELECTION GUIDE AND USAGE EXAMPLES	Used in mildy corrosive conditions. General engineering applications

SIZES													
Size (ins. dia)	1/4	3/8	1/2	9/16	5/8	3/4	7/8	1	1.1/4	1.1/2			

Size (mm. dia)	6	8	10	20	25								
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