

TECHNICAL GUIDE

303S3 I/European No. 1.4305

EN 10088-3	BS970: 1991	COLOUR CODE	DESCRIPTION
European No. 1.4305	303S3 I		Austenitic freecutting stainless steel

CHEMICAL ANALYSIS	
Car	0.120 max
Sil	1.00 max
Mang	2.00 max
Phos	0.060 max
Sul	0.15 / 0.35
Chr	17.0 / 19.0
Moly	1.00 max
Nick	8.0 / 10.0

INTERNATIONAL SPECIFICATION COMPARISON	
BRITISH BS 970:1991	303S3 I
BRITISH BS 970:1955	
GERMAN DIN	
FRENCH AFNOR	
SWEDISH SS	
AMERICAN SAE	
EUROPEAN STEEL NO.	1.4305
EUROPEAN STEEL NAME	X10CrNiS18-9
EUROPEAN STANDARD	EN10088-3

QUICK VIEW SYSTEM	
MACHINEABILITY	85
WELDABILITY	Mild corroding conditions only
HARDENABILITY	Not applicable
SELECTION GUIDE AND USAGE EXAMPLES	General purpose freecutting stainless steel

SIZES														
Size (ins. dia)	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	7/8	1	1.1/8
	1.1/4	1.3/8	1.1/2	1.5/8	1.3/4	1.7/8	2	2.1/8	2.1/4	2.1/2	2.3/4	3	3.1/2	3.3/4
	4	4.1/4	4.1/2	4.3/4	5	5.1/4	5.1/2	5.3/4	6	7	8			

Size (mm. dia)	3	4	5	6	7	8	9	10	12	13	15	16	18	20
	25	30	35	40	50	60								

Size (ins. A/F)	.218	.248	.312	.375	.437	.500	.625	.750	.820	.875	.920	1.000		
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Size (mm. A/F)	8	10	12											
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