

TECHNICAL GUIDE

230M07/EN1A Freecutting

BS970: 1955	BS970: 1991	COLOUR CODE	DESCRIPTION
EN1A Freecutting	230M07		Bright drawn / turned / ground / Freecutting steel

CHEMICAL ANALYSIS	
Car	0.15 max
Sil	0.05 max
Mang	0.90 / 1.30
Phos	0.09 max
Sul	0.25 / 0.35
Chr	-
Moly	-
Nick	-
Lead	-

INTERNATIONAL SPECIFICATION COMPARISON	
BRITISH BS 970:1991	230M07
BRITISH BS 970:1955	EN1A
GERMAN DIN	9SMn28
FRENCH AFNOR	S250
SWEDISH SS	1912
AMERICAN SAE	1214
EUROPEAN STEEL NO.	1.0715
EUROPEAN STEEL NAME	11SMn30
EUROPEAN STANDARD	EN10277-3

QUICK VIEW SYSTEM	
MACHINEABILITY	200
WELDABILITY	Not recommended
HARDENABILITY	Poor
SELECTION GUIDE AND USAGE EXAMPLES	Highly machineable with consistent properties giving good tool life and surface finish

SIZES														
Size (ins. dia)	5/32	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	7/8	15/16	1
	1.1/16	1.1/8	1.1/4	1.5/16	1.3/8	1.1/2	1.5/8	1.3/4	1.7/8	2	2.1/8	2.1/4	2.3/8	2.1/2
	2.5/8	2.3/4	2.7/8	3	3.1/8	3.1/4	3.1/2	3.5/8	3.3/4	4	4.1/4	4.1/2	4.5/8	4.3/4
	5	5.1/4	5.1/2	5.3/4	6	6.1/4	6.1/2	6.3/4	7	7.1/2	8	8.1/2	9	

Size (mm. dia)	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	12.00	14.00	15.00	16.00	17.00	18.00
	19.00	20.00	22.00	24.00	25.00	27.00	28.00	30.00	32.00	35.00	38.00	40.00	42.00	45.00
	50.00	54.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	105.00	110.00
	120.00	125.00	150.00											

Size (ins. A/F)	1.000	1.250	1.480	1.670	1.860	2.050	2.220	2.580	2.760	3.550
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SIZES						
Size (ins.)	3/4 x 1/2	1 x 1/4	1 x 3/8	1 x 1/2	1 x 5/8	1 x 3/4
	1.1/4 x 1/4	1.1/4 x 3/8	1.1/4 x 1/2	1.1/4 x 5/8	1.1/4 x 3/4	1.1/4 x 1
	1.1/2 x 1/4	1.1/2 x 3/8	1.1/2 x 1/2	1.1/2 x 5/8	1.1/2 x 3/4	1.1/2 x 1
	1.1/2 x 1.1/4	2 x 1/4	2 x 3/8	2 x 1/2	2 x 5/8	2 x 3/4
	2 x 1	2 x 1.1/4	2 x 1.1/2	2.1/2 x 1	2.1/2 x 1.1/4	2.1/2 x 1.1/2
	3 x 1/4	3 x 1/2	3 x 3/4	3 x 1	3 x 1.1/4	3 x 1.1/2
	3 x 2	3 x 2.1/2	4 x 1/4	4 x 1	4 x 1.1/2	4 x 2
	4 x 2.1/2	4 x 3	6 x 1/2	6 x 1	6 x 1.1/2	6 x 2
	6 x 3	6 x 4				

Size (ins. sq)	3/16	1/4	3/8	7/16	1/2	5/8	3/4	7/8	1	1.1/8	1.1/4	1.1/2	1.3/4	2
	2.1/4	2.1/2	2.3/4	3	3.1/2	4	5	6	7					

Size (mm sq)	6	8	10	12	14	15	16	18	20	22	25	30	35	40
	45	50	60	65	80	90								

Sectors

The company specifically concentrates on supplying Precision Engineering Companies covering the automotive, defence, food, marine, medical, pharmaceutical and other manufacturing industries with their exact needs, whether it be a bar or thousands of cut pieces.



Our Service

Our service and commitment to supplying customers with high quality steels or non ferrous metals, competitively priced and backed up by a service second to none is the basis upon which the business has successfully developed since its foundation.

