


# TECHNICAL GUIDE

## 230M07Pb/230M07 Pb Leaded Freecutting

BS970: 1955	BS970: 1991	COLOUR CODE	DESCRIPTION
230M07 Pb Leaded Freecutting	230M07Pb		Bright drawn leaded 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	0.15 / 0.35

INTERNATIONAL SPECIFICATION COMPARISON	
BRITISH BS 970:1991	230M07Pb
BRITISH BS 970:1955	EN1A Leaded
GERMAN DIN	9SMn28Pb
FRENCH AFNOR	S250Pb
SWEDISH SS	1914
AMERICAN SAE	12L14
EUROPEAN STEEL NO.	1.0718
EUROPEAN STEEL NAME	11SMnPb30
EUROPEAN STANDARD	EN10277-3

QUICK VIEW SYSTEM	
MACHINEABILITY	250
WELDABILITY	Not recommended
HARDENABILITY	Poor
SELECTION GUIDE AND USAGE EXAMPLES	As EN1A but where even better machining speeds, tool life and surface finish is required

SIZES														
Size (ins. dia)	1/8	3/16	7/32	1/4	9/32	5/16	11/32	3/8	7/16	1/2	9/16	5/8	11/16	3/4
	13/16	7/8	29/32	15/16	1	1.1/16	1.1/8	1.3/16	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	3	3.1/4	3.1/2			

Size (mm. dia)	3.00	4.00	5.00	6.00	7.00	7.23	8.00	9.00	9.26	10.00	12.00	13.00	14.00	15.00
	16.00	17.00	18.00	19.00	20.00	22.00	24.00	25.00	26.00	27.00	28.00	30.00	32.00	35.00
	36.00	40.00	42.00	45.00	50.00	54.00	55.00	60.00	65.00	80.00				

Size (ins. A/F)	0.187	0.218	0.248	0.282	0.324	0.375	0.437	0.445	0.500	0.525	0.562	0.600	0.625	0.687
	0.750	0.812	0.820	0.875	0.920	0.937	1.000	1.010	1.062	1.100	1.250	1.300	1.500	1.875
	2.050	2.220	3.150											

Size (mm A/F)	4	5	7	8	10	12	13	14	16	17	18	19	22	24
	27	30	32	36	41	46	48	50	55	60	70	80		

Size (mm sq)	15	45												
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