

## Maximum recommended finished machined sizes for hot rolled bars according to BS 970: Part 1: 1996

Hot Rolled Dia mm	Rec. Fin. Size Dia mm	Hot Rolled Dia mm	Rec. Fin. Size Dia mm	Hot Rolled Dia mm	Rec. Fin. Size Dia mm
20	18.912	53	50.304	125	118.080
21	19.872	54	51.246	130	122.880
22	20.832	55	52.224	135	127.680
23	21.792	56	53.184	140	132.480
24	22.752	57	54.144	145	137.280
25	23.712	58	55.104	150	142.080
26	24.672	59	56.064	155	146.880
27	25.536	60	57.024	160	151.680
28	26.496	61	57.984	165	156.000
29	27.456	62	58.944	170	160.800
30	28.416	63	59.904	175	165.600
31	29.376	64	60.864	180	170.400
32	30.336	65	61.728	185	175.200
33	31.296	66	62.688	190	180.000
34	32.356	67	63.648	195	184.800
35	33.216	68	64.608	200	189.600
36	34.176	69	65.568	205	193.920
37	35.136	70	66.528	210	198.720
38	36.096	71	67.488	215	203.520
39	36.960	72	68.448	220	208.320
40	37.920	73	69.408	230	217.920
41	38.880	74	70.368	240	227.520
42	39.840	75	71.328	250	237.120
43	40.800	76	71.712	255	241.920
44	41.760	80	75.552	260	246.720
45	42.720	85	80.352	270	256.320
46	43.680	90	85.512	280	265.920
47	44.640	95	89.760	290	275.520
48	45.600	100	94.560	300	285.120
49	46.560	105	99.360	305	289.920
50	47.520	110	104.160	320	304.320
51	48.480	115	108.960	330	313.920
52	49.344	120	113.760	350	333.120

Please note that forged bars are produced to a different tolerance. Information available on request.

General Conversions	Multiply By	Inversion
<b>Length</b>		
cm to inch	0.3937	2.540
m to ft	3.281	0.304
mm to inch	0.0394	25.380

<b>Energy</b>		
ft/lb to J	1.356	0.737

<b>Pressure</b>		
N/mm <sup>2</sup> to P.S.I.	144.99	0.006
K.S.I. to P.S.I.	1000	0.001
K.S.I. to N/mm <sup>2</sup>	6.89476	0.145
Tons/in <sup>2</sup> to N/mm <sup>2</sup>	15.4442	0.064

Every care has been taken in the preparation of this technical data, however no liability can be accepted for any errors nor the consequences arising from such errors.