

PHOENIX STEELS (SHEFFIELD) LTD

1 CANAL STREET, SHEFFIELD S4 7ZE
TEL - 0114 2767 553 FAX 0114 2750 087
E MAIL - sales@toolsteels.co.uk

SILVER STEEL - METRIC SIZES

April 2010 - NET PRICE LIST

<u>DIAMETER</u>	<u>333 MM</u>	<u>1000 MM</u>	<u>2000 MM</u>
2 MM	£0.33	£0.65	£0.91
2.5 MM	£0.45	£0.88	£1.23
3 MM	£0.52	£1.05	£1.46
3.5 MM	£0.66	£1.30	£1.81
4 MM	£0.72	£1.41	£1.95
4.5 MM	£1.04	£2.05	£2.84
5 MM	£0.97	£1.91	£2.64
5.5 MM	£1.31	£2.59	£3.59
6 MM	£1.16	£2.23	£3.72
6.5 MM	£1.27	£2.53	£4.05
7 MM	£1.40	£2.73	£4.37
7.5 MM	£1.67	£3.33	£5.34
8 MM	£1.55	£3.12	£5.00
8.5 MM	£2.07	£4.13	£6.60
9 MM	£2.03	£4.06	£6.50
9.5 MM	£2.57	£5.11	£8.18
10 MM	£1.85	£4.83	£7.73
10.5 MM	£2.00	£5.22	£10.09
11 MM	£2.27	£5.95	£9.51
11.5 MM	£3.03	£7.91	£12.66
12 MM	£2.58	£7.04	£11.26
12.5 MM	£3.43	£9.37	£14.99
13 MM	£2.72	£7.43	£11.88
13.5 MM	£3.14	£8.56	£13.69
14 MM	£3.18	£8.68	£13.88
14.5 MM	£3.14	£8.56	£13.69

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<u>DIAMETER</u>	<u>333 MM</u>	<u>1000 MM</u>	<u>2000 MM</u>
15 MM	£2.72	£7.77	£15.54
15.5 MM	£2.87	£8.21	£16.42
16 MM	£2.80	£8.02	£16.04
16.5 MM	£3.16	£9.03	£18.06
17 MM	£3.20	£9.15	£18.30
17.5 MM	£3.39	£9.69	£19.38
18 MM	£3.58	£10.23	£18.98
18.5 MM	£4.12	£11.79	£23.58
19 MM	£3.88	£11.65	£23.30
19.5 MM	£3.93	£11.79	£23.58
20 MM	£3.96	£11.88	£23.76
20.5 MM	£4.33	£13.08	£26.00
21 MM	£4.68	£14.07	£28.14
21.5 MM	£4.84	£14.53	£29.06
22 MM	£4.89	£14.68	£29.36
22.5 MM	£5.35	£16.08	£32.16
23 MM	£5.82	£17.46	£34.92
24 MM	£5.89	£17.67	£35.34
25 MM	£5.71	£18.48	£36.96
25.5 MM	£6.87	£20.61	£41.22
26 MM	£7.58	£22.74	£45.48
28 MM	£8.80	£26.42	£52.84
30 MM	£8.15	£24.48	£48.96
32 MM	£11.39	£34.17	£68.34
35 MM	£13.62	£40.87	£81.75
40 MM	£17.98	£53.62	£107.24
45 MM	£22.91	£67.69	£135.38
50 MM	£27.85	£83.57	£167.14

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SILVER STEEL - IMPERIAL SIZES

April 2010 - NET PRICE LIST

<u>DIAMETER</u>	<u>13 INCH</u>	<u>1000 MM</u>	<u>2000 MM</u>
3/32"	£0.43	£0.87	£1.20
1/8"	£0.54	£1.07	£1.50
5/32"	£0.84	£1.65	£2.30
3/16"	£0.87	£1.73	£2.41
7/32"	£1.41	£2.77	£3.87
1/4"	£1.14	£2.23	£3.62
5/16"	£1.70	£3.41	£5.46
3/8"	£2.28	£4.58	£7.32
7/16"	£3.15	£6.30	£10.08
1/2"	£3.00	£7.21	£11.53
9/16"	£3.79	£9.10	£14.56
5/8"	£3.92	£10.21	£16.34
11/16"	£5.29	£12.70	£20.31
3/4"	£4.64	£11.70	£23.39
7/8"	£5.61	£15.28	£30.56
1"	£6.19	£18.39	£37.17
1.1/8"	£7.96	£23.87	£47.75
1.1/4"	£9.83	£29.51	£59.01
1.3/8"	£11.76	£35.28	£70.54
1.1/2"	£13.96	£41.91	£83.82
1.3/4"	£19.23	£57.98	£115.95
2"	£26.33	£78.99	£157.98

13 INCH / 333 MM LENGTHS AVAILABLE IN **ANY QUANTITY**
SPECIAL METRIC SIZES AVAILABLE - MANY EX - STOCK
1.00 MM UP TO 17.90 MM IN **0.10 MM INCREMENTS**
AND 18 MM UP TO 29.5 MM IN **0.50 MM INCREMENTS**
3 METRE LENGTHS AVAILABLE IN PRINCIPAL SIZES

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SILVER STEEL DATA SHEET

□ SIZE RANGE

METRIC = 1MM TO 50MM DIAMETER (1 to 18mm dia' in 0.10mm increments)
IMPERIAL = 1/16" TO 2" DIAMETER

□ CHEMICAL ANALYSIS % (typical)

C – 1.15 Si – 0.25Mn – 0.30 Cr – 0.65 V – 0.10

□ SUPPLIED CONDITION

Spheroidized annealed material, 180 – 240 BHN max', ground and polished in 13"/333mm, 1 metre, 2 metre and 3 metre lengths

□ TOLERANCE

Metric = h8 – (minus tolerance)

Up to 3 mm = + nil / -0.014 mm
Over 3 mm up to 6 mm = +nil / -0.018 mm
Over 6 mm up to 10 mm = + nil / -0.022 mm
Over 10 mm up to 18 mm = + nil / - 0.027 mm
Over 18 mm up to 30 mm = + nil / - 0.033 mm
Over 30 mm up to 50 mm = + nil / - 0.039 mm

Imperial = js8 - (shared, plus and minus tolerance)

Up to 0.118 inch = + & - 0.0003"
Over 0.118 inch up to 0.236 inch = + & - 0.00035
Over 0.236 inch up to 0.394 inch = + & - 0.00045"
Over 0.394 inch up to 0.709 inch = + & - 0.00055"
Over 0.709 inch up to 1.181 inch = + & - 0.00065"
Over 1.181 inch up to 2 inch = + & - 0.00075"

□ HEAT TREATMENT - For Guidance only

Heat slowly to **780 - 800 °C to quench in water/brine**
= 64 Rc approx'. Temper at 150 °C = 62 Rc, or 300 °C = 58Rc

Heat slowly to **810 - 830 °C to quench in oil**
= 63/64 Rc approx'. Temper at 150 °C = 61/62 Rc.

(for oil quench this hardness may not be fully achieved where diameter exceeds 20mm)