

DRAWINGS

Where Drawings are supplied with castings these are intended for guidance only, we will not be responsible for mistakes or any inaccuracy on these drawings.

OVERSEAS CUSTOMERS

Overseas Customers are requested to submit payment by credit or debit card, as this is the simplest method, however, International Money Orders, Bankers Draft or Credit Transfer is acceptable. Personal cheques are accepted providing extra time is allowed for clearance and banking charges included. All cheques must be in pounds sterling.

GOODS

Defective goods will be replaced free of charge, however we cannot always be responsible for postage and packing charges if **not** purchased by mail order.

Goods returned to us for any other reason of order cancellations will incur a restocking charge of 20%. We reserve the right to invoice goods at the prices ruling at the date of dispatch. Any other enquiries must be accompanied by a stamped addressed envelope. Where minimum sizes are required, please state clearly on your order. Your dimensions must include cutting/machining allowance.

ORDERS

Telephone orders welcome, however, to avoid confusion please confirm in writing as we cannot be held responsible for misunderstanding your requirements. Please state all sizes required to include your machining allowance.

TRADES DESCRIPTIONS ACT

Every care has been taken to describe our goods correctly. Any errors are unintentional and will be corrected if you advise us accordingly.



College Engineering Supply

2, Sandy Lane, Codsall

Wolverhampton, WV8 1EJ England

Tel. 0845 166 2184 or 01902 842284

Fax. 01902 842284

Mobile: 07860 493689

International Tel or Fax: +44 1902 842284

E-Mail: sales@collegeengineering.co.uk

<http://www.collegeengineering.co.uk>

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Catalogue
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SUPPLIERS OF MATERIALS & MACHINE TOOL CASTINGS
TO EDUCATION, MODEL ENGINEERS & INDUSTRY

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All Prices Exclude VAT

TERMS OF BUSINESS

ORDERS

Minimum order value £10 excluding VAT & carriage charges. For mail orders we can accept payment by Cheque, Postal Order, Debit or Credit Card (Subject to normal conditions). Cheques should be made payable to:

“The College Engineering Supply”

CREDIT CARDS

MasterCard and Visa, Switch and Delta, are accepted for all sales and are particularly welcome for telephone orders. Under normal circumstances goods can only be dispatched to the credit card holders home address.

DELIVERY CHARGES

UK Only: Goods are dispatched by either letter post, parcel post or by our appointed carrier. Please allow 7/14 working days from receipt of order. Charges are **normally** as follows, however, in the event of long or excessively heavy items or conversely light items we have to take discretion over the cost. If in doubt please telephone for guidance.

Orders up & including £25.00 excluding VAT - £6.50 plus VAT

Orders over £25.00 excluding VAT or in excess of 12” - £8.50 plus VAT

Next day delivery an extra £3.00 delivery charge is applied

For Northern Ireland and Scotland: An extra £3.00 may have to be charged if sent with our appointed carrier.

For Scottish Highlands, Channel/Offshore Islands: Different charges apply, depending on size and weight of goods. Please enquire for pricing.

CONDITIONS OF DISPATCH

All material will be supplied in standard catalogue lengths unless otherwise requested. Although we do our best to be helpful, our liability ceases when we dispatch the goods for which we obtain record of posting. Goods are dispatched uninsured except to a limit of £30. Should insurance be required then an appropriate fee is payable.

Should customers be unavailable to receive goods on delivery the goods will be either left without a signature or returned to the carriers depot. Liability will then be with the customer.

V.A.T.

All UK orders and orders dispatched to countries within the EEC (Including Postage and Package charges) are subject to V.A.T. charged at the rate on the date of invoice.

PRICES

Whilst we endeavour to keep our prices for a period of 2 years from the start date of this list, due to escalating and fluctuating material costs we have to reserve the right to adjust prices accordingly.

TRYCUT - EASY CUTTING WAX

“**TRYCUT**” IS PREDOMINATELY USED FOR PROTOTYPING AND CNC PROVING WORK, PATTERNS FOR 1 OFF CASTINGS OR EVEN “LOST WAX” CASTING

Use For:-

- * Proving CNC/NC Programmes
- * Making first run prototypes
- * Demonstrating CNC/NC equipment
- * Demonstrating CNC/NC software
- * Training or retraining CNC/NC users
- * Making lost wax casting prototypes

Can Be:-

Drilled and reamed, milled, threaded, turned, chamfered, sawn, moulded, carved or polished... Parts can be assembled or checked for dimensional reproducibility.. Parts can be glued.. It is non toxic, non abrasive and self lubricating... in ‘lost wax’ casting... trycut has a very low ash content.

Please ask for more information

Other Sizes Available

SQUARE :	
90mm x 90mm x 150mm	£38.95

RECTANGULAR :	
90mm x 40mm x 150mm	£17.65
90mm x 40mm x 300mm	£33.80

ROUND :	
25mm dia x 250mm long	£5.50
35mm dia x 250mm long	£8.95
54mm dia x 250mm long	£22.35
78mm dia x 200mm long	£38.45

SILICONE MOULD RELEASE AGENT :	
16oz Aerosol spray can	£8.10

All Prices Exclude VAT



Angle Plate with Slots

Ref.: 501 - Cast Iron
 Size: 120mm x 80mm x 80mm x 16mm thk
 Each face has different slot directions for a wider variety of bolting arrangements. With webs.
£13.20

Angle Plate Without Slots

Ref:501/A - Cast Iron
 Size: 120mm x 80mm x 80mm x 16mm thk.
 Plain Angle Plate for you to slot or drill as you wish.
£11.50



Small Adjustable Angle Plate

Ref:559 - Cast Iron
 Size: 120mm x 78mm plates.
£14.95

Socket head shoulder bolts to suit. Set of two
 Ref: 559/C - **£5.60**



Plain Angle Plates

Ref.: 516/A, B & C - Cast Iron
 Available in the following lengths:

Size:	Small	Medium	Large
Ref :	516/A	516/B	516/C
Length	76mm	115mm	230mm
Price	£3.90	£5.60	£9.80



52mm x 52mm x 12mm thk.

Small Slotted Angle Plate

Ref: 516/D or Ready Machined Ref: 516/DM - Cast Iron
 Size: 50mm x 40mm x 80mm long x 10mm thk

Ref :	516/D	516/DM
Price	£3.60	£9.85



Small Toolmakers Vice

Ref: 547 - Cast Iron
 Dimensions: 50mm x 130mm x 36mm
 Supplied with Jaw. - Jaw Opening to 60mm
 Tilting version of this Vice was featured in
 Model Engineers' Workshop Aug/Sep 1991.
£7.75



Both Toolmakers Vice can be adapted for clamping either by adding a base plate or machining slots along their length for use with machine clamps.

Toolmakers Vice & Jaw

Ref. 509 - Cast Iron
 Dimensions: 150mm x 74mm x 58mm
 Supplied with Jaw - Jaws open to 76mm
£11.45



Small Machine Vice and Jaw

Ref: 553 - Cast Iron
 Dimensions: Jaw 58mm Wide, Opens to 40mm
 Overall Length - 136mm & Width - 94mm
 Jaw Angles to 30° - Clamping holes/slots can be machined to suit.
£9.35



Machine Vice & Jaw

Ref: 518 - Cast Iron
 Width of Jaw 64mm opening to 84mm
 Overall Width - 125mm Length - 165mm
£12.65



Hand Vice with Spring

Ref. 513 - Mall. Cast Iron
 Jaw Width 72mm Length 95mm
 Supplied with Spring
£4.20

TESTFOAM

Block Sizes	Price per block
3" x 9" x 6"	£8.90
6" x 9" x 6"	£16.35
12" x 9" x 6"	£29.50

"TESTFOAM" is a specially developed high density urethane foam for proving C.N.C programmes, it has been widely adopted by industry for some years and is available in sizes specifically for Engineering Training, it is already used in many Technical Colleges, Industrial Training Centres, Universities, Schools and many others as well as throughout the UK. It is now being offered for sale in smaller quantities to the model engineer.

Advantages are as follows :-

- * Quarter the Price of Steel.
- * Safe for Inexperienced Users.
- * No Tool Wear or Damage.
- * Accuracy within 0.002" (0.05mm).
- * Reduces Maintenance of Machines.
- * Easy to Cut and Less Power Consumed.
- * No Coolant Required Etc.

The advantages of using **"TESTFOAM"** are twofold, firstly that it is low in price compared with metals and secondly, the cutting forces are so low that unintentional machining becomes relatively safe and does not result in broken tools or the workpiece being snatched from the vice or chuck.

Available in either clean-cut section, round bar or ready square cut blocks.

Please ask for more information for Education & Industry

OTHER SIZES AVAILABLE ON REQUEST

All Prices Exclude VAT

CAST IRON

Close grained continuous cast iron bar & blocks to BS1452 Grade 17 (250) Meehanite Quality for piston rings, Cylinders, Bushes, Valve Guides, Wheels, Bearings, Hubs, Cross slides etc. Any Length from the following round or square sizes can be cut. For rectangular and other block and sizes see below.

Cast Iron Bar		Round Bar		Square Bar	
Size: Round or Square mm	ins	Price for the first 20mm length	Price for each additional 10mm or part of	Price for the first 20mm length	Price for each additional 10mm or part of
25mm	0.98"	£1.10	£0.45	-	-
30mm	1.18"	£1.25	£0.48	£1.40	£0.50
35mm	1.38"	£1.30	£0.50	£1.80	£0.60
40mm	1.57"	£1.45	£0.62	£2.10	£0.73
50mm	1.96"	£1.95	£0.62	£2.80	£0.98
60mm	2.36"	£2.35	£0.84	£3.85	£1.25
70mm	2.75"	£3.05	£1.06	£4.98	£1.43
80mm	3.15"	£4.10	£1.40	£5.35	£1.82
90mm	3.54"	£5.05	£1.65	£6.10	£2.15
100mm	3.93"	£5.95	£1.72	£7.30	£2.20
120mm	4.72"	£6.95	£2.40	£8.60	£2.98
150mm	5.90"	£11.25	£3.20	£13.30	£4.20
200mm	7.87"	£17.25	£5.40	£18.90	£5.90

For prices on lengths in excess of 500mm (20") and quantities in excess of 10 per item, Please ask for quotation.

CAST IRON BLOCKS & LARGE DIAMETER

Any reasonable size can be cut from stock. Sizes up to 200mm Sq. and 420mm Dia. and 300mm x 200mm Rectangular. In lengths up to 1 metre. Please ask for prices.

Tolerances : On diameter, section and cut size or length -2mm + 3mm. Don't forget to add machining allowance. Please state sizes required including machining allowance.

"Keats" Type Angle Plate

Ref. 558 - Cast Iron Body
Malleable Cast Iron Clamp
Holds diameters up to 50mm
Turn Clamp over for small diameters
Complete with Bolts & Washers.
As Featured in Model Engineers' Workshop
Winter - 1990/91.
£16.35



Small Vee Angle Plate

Ref: 580 - Cast Iron
For turning eccentrics. Can also be used as a Vee Block - Both castings supplied.
Vee Casting Size: 52mm x 32mm x 65mm long.
As featured in Model Engineers Workshop
No 39 - December 1996.
£12.95



Bench Block

Ref. 517 - Malleable Cast Iron
Dimensions: 72mm Dia x 38mm Height
£5.20

Machine Clamps

Malleable Cast Iron



Size:	Medium	Large
Ref.	519/B	519/A
To Suit Bolt	13mm	16mm
Price	£2.70	£3.55

6" Rotary Table Kit



60:1 Ratio
Worm & Wheel
(optional)

- ◆ Full 6" (152mm) Dia Table
- ◆ Overall Height: 62mm (2.7/16")
- ◆ 90:1 Standard Worm & Wheel supplied Ready Machined.
- ◆ 60:1 Worm and Wheel available as an option.
- ◆ Available with all necessary Socket Head Screws & Grease Nipple (Imperial or Metric)
- ◆ Supplied with full set of either Imperial or Metric Drawings.
- ◆ Worm can be disengaged from worm wheel or locked into and out of mesh.
- ◆ Table can be locked into any position.
- ◆ Eccentric gear mechanism such that the table can be disengaged from the hand wheel and thus take up any backlash in the worm & wheel assembly. This also helps in relaxing the critical machining tolerances.
- ◆ All moving surfaces can be lubricated externally.
- ◆ Table can be modified and machined to act as a back plate for chuck or to accept a morse taper. Can also be modified to use division plates.
- ◆ As featured in Model Engineer Dec. 1988/Mar 1989 Articles available.

557/1	Rotary Table Kit, inc worm, wheel and drawings	£57.20
557/2	As 557/1 with screws and grease nipple	£61.95
557/D	Rotary Table Castings Only	£35.80
557/E	Worm and Wheel 90:1 Ratio	£24.50
557/F	Worm and Wheel 60:1 Ratio	£26.90
557/G	Worm and Wheel 60:1 in place of 90:1	£2.40
557/H	Rotary Table Screws kit (Imperial)	£5.20
557/J	Rotary Table Screws kit (Metric)	£5.20

PLASTICS

Dia (mm)	Nylon 6" Lengths	*Acetal 6"	PTFE Per Inch	Clear Acrylic 6" Lengths
5	£0.45	£0.50	£0.50	£1.05
10	£0.70	£0.85	£0.70	£1.60
15	£1.40	£1.55	£1.05	£2.30
20	£2.20	£2.60	£1.70	£4.25
25	£3.15	£3.40	£2.60	£5.15
30	£4.05	£4.75	£3.65	£7.40
36	£5.60	£6.50	£4.15	£10.60
40	£6.85	£8.00	£4.55	£11.50
50	£9.85	£10.75	£6.90	£15.95
80	-	£4.25/1"	-	-

Tufnol	
Dia	6"
1/4"	£1.70
1/2"	£2.30
3/4"	£3.45
1"	£4.90
1.1/4"	£6.85
1.1/2"	£9.05

Tufnol: (Swan Brand) Phenolic Resin with paper reinforced; good electrical insulation, machines well.

*Acetal is similar to Nylon, but has better machining characteristics. Available in black or white PLEASE STATE WHEN ORDERING. Blocks are available in Nylon, Acetal and Tufnol

Whale & Carp Brand

TUFNOL SHEET

Linen reinforced good electrical insulation, machines well, strong.

Size	6" x 6"	6" x 12"	12" x 12"
1/32"	£2.20	£3.98	£7.40
1/16"	£3.70	£6.90	£12.97
1/8"	£6.65	£12.65	£16.65
3/16"	£8.15	£13.35	£21.45
1/4"	£9.30	£14.65	£26.40
3/8"	£11.50	£18.80	£33.45
1/2"	£15.85	£28.15	-
3/4"	£21.10	£35.85	-
1"	£23.90	£43.05	-

PTFE SHEET

Size	Price
1.5mm thk	£0.23/sq in
5mm thk	£0.40/sq in
10mm thk	£0.66/sq in

BRASS & STEEL ANGLE

Brass Angle	Price
1/4" x 1/4" x 1/16" thk	£1.70
5/16" x 5/16" x 1/16" thk	£2.30
3/8" x 3/8" x 1/16" thk	£2.50
1/2" x 1/2" x 1/16" thk	£3.05
1/2" x 1/2" x 1/8" thk	£3.85
3/4" x 3/4" x 1/8" thk	£4.45
1" x 1" x 1/8" thk	£5.75

Steel Angle	Price
12mm x 12mm x 3mm thk	£2.40
16mm x 16mm x 3mm thk	£2.55
20mm x 20mm x 3mm thk	£2.70
25mm x 25mm x 3mm thk	£3.40
30mm x 30mm x 3mm thk	£4.25
40mm x 40mm x 3mm thk	£5.75

Price per foot. Max length by parcel post 3ft, an extra charge may be applicable. Other sizes available please ask.

NICKEL SILVER SHEET

NS103

Size:	3" x 3"	6" x 3"	6" x 6"	12" x 6"	12" x 12"	24" x 12"
20g	£2.35	£4.10	£6.30	£8.55	£14.80	£25.70

Ideal for spring electrical contacts and instruments.

GILDING METAL

CZ101 Soft

Size:	6" x 6"	6" x 12"	9" x 12"	12" x 12"	18" x 12"	24" x 12"
20g	£3.15	£6.05	£8.40	£11.30	£17.20	£20.40

Can be heavily cold worked without fracture. It is hardened & strengthened by cold working.

STAINLESS STEEL SHEET

Size	22g (0.8mm)	20g(1mm)	18g(1.2mm)	16g (1.5mm)	2.5mm	3mm(10g)
6" x 6"	£2.50	£3.05	£3.70	£4.40	£5.05	£6.10
12" x 6"	£4.10	£4.15	£5.30	£6.70	£8.80	£10.20
12" x 12"	£7.25	£7.45	£9.15	£10.25	£13.90	£16.90
18" x 12"	£9.95	£11.15	£13.25	£16.75	£20.20	£24.30
24" x 12"	£12.20	£13.55	£17.30	£21.50	£25.75	£32.50

All Prices Exclude VAT

4" Rotary Table Kit

Ref: 590/A - Set of 2 Cast Iron Castings and 40:1 Ratio Ready Machined Worm & Wheel.



Similar design to the very popular 6" version. Overall Height 2.3/16"

Horizontal and Vertical mounting

Eccentric Bush to eliminate tight machining tolerances. Available with all necessary Socket Head Screws and materials to complete. Ref: 590/B.

40:1 Ratio Ready machined Worm & Wheel available separately. Ref: 590/C.

Imperial drawings included



40:1 Ratio Ready Machined Worm & Wheel available

590/A	4" Rotary Table Castings + Worm & Wheel	£42.50
590/B	As 590/A inc. Screws and Materials to Complete	£47.50
590/C	40:1 Ratio Worm and Wheel for 4" Rotary Table	£14.95

Spirit Level With Vial

Dimensions: 220mm long x 48mm wide x 28mm High. Supplied with Standard Vial & Brass Tube. Standard vial recommended for general purpose use only. Can be supplied with Ground and Graduated Vial in place of standard vial & brass tube - Ref: 541/F. Ground & Graduated Vial Sensitivity: 80sec. per division (or 0.005" per 12") Use this vial for accurate engineers use. Vials are available separately Ref: 541/G. Featured in Model Engineers' Workshop No 10 - Apr./May 1992



541/A	Engineers Spirit Level with standard vial and brass tube (C.I.)	£9.25
541/B	Engineers Spirit Level with standard vial and brass tube (Alum)	£9.25
541/F	Ground and Graduated Vial in Place of Standard Vial and Tube	£20.50
541/G	Ground and Graduated Vial Only	£22.95

Dial Test Indicator

Ref: 523 - Cast Iron
 Dimensions: 76mm wide x 52mm high
 x 225 mm long.
 As Featured in Model Engineers' Workshop
 No.17 - June/July 1993
£12.25



Travelling Steady

Ref. 560 - Cast Iron
 To suit Myford 3.1/2" Lathe
 (Modifications can be made to suit other similar Lathes)
 Phosphor Bronze available to make the 2 finger supports
 Ref. 560/PB
560 £10.75 - 560/PB £4.00

Fixed Steady

Ref. 562 - Cast Iron
 To suit Myford 3.1/2" Lathe. 2 part casting set.
 Can be modified to suit others larger machines using a
 raising block. Also available Phosphor Bronze to make
 the 3 fingers Ref: 562/PB
562 £16.25 - 562/PB £6.00



Scribing Block Base

Ref: 508 - Cast Iron
 Base Dimensions: 62mm x 84mm
 Includes Ball Bearing and Spring
£5.20



Slotting Tool

Ref: 570 - Cast Iron
 Dimensions: Centre Height 52.4mm (2.1/16")
 Size: 90mm x 58mm. Suitable for Myford or
 similar. Can be adapted for other larger machines
 with a raising block. As featured in Model
 Engineers Workshop Aug/Sep 1991
£18.60

STEEL & STAINLESS STEEL

Steel:-	Steel EN1A - Free Cutting			EN8	EN24T	Stainless Steel - 303		
Size (ins)	Price per 12" length			Per ft	Per ft	Price Per 10" Length		
Dia. AF Sq	Round	Square	Hex	Round	Round	Round	Square	Hex
3/32"	£0.34	-	-	-	-	£0.80	-	-
1/8"	£0.38	£0.55	£0.45	-	-	£0.90	-	-
5/32"	£0.45	£0.63	£0.53	-	-	£1.05	-	-
3/16"	£0.48	£0.75	£0.60	-	-	£1.25	-	-
7/32"	£0.52	-	£0.67	-	-	£1.65	-	-
1/4"	£0.60	£0.87	£0.70	£0.99	-	£1.85	£2.90	£2.50
5/16"	£0.65	£0.99	£0.90	-	-	£2.40	-	£2.80
3/8"	£0.85	£1.25	£1.10	£1.70	-	£2.75	£3.75	£3.40
7/16"	£1.10	£1.85	£1.35	-	-	£3.75	-	-
1/2"	£1.45	£2.05	£1.65	£2.40	£2.55	£4.65	£6.85	£4.90
9/16"	£1.90	£2.25	£2.10	-	-	-	-	-
5/8"	£1.95	£2.45	£2.30	-	-	£6.05	-	-
3/4"	£2.80	£4.10	£3.50	£4.50	£4.80	£7.95	£5.70/6"	-
7/8"	£3.05	£4.70	£4.20	-	-	-	-	-
1"	£3.55	£4.95	£4.50	£5.45	£3.55/6"	£12.35	£9.30/6"	-
1.1/8"	£2.40/6"	-	-	-	-	-	-	-
1.1/4"	£2.80/6"	£3.90/6"	-	£4.45/6"	£4.80/6"	£16.85	-	-
1.1/2"	£4.10/6"	£5.60/6"	-	£5.60/6"	£5.90/6"	-	£13.30/6"	-
1.3/4"	£4.75/6"	£6.55/6"	-	-	-	-	-	-
2"	£6.05/6"	£7.20/6"	-	£6.65/6"	-	£10.80/6"	-	-
2.1/2"	£2.05/1"	£2.60/1"	-	-	-	-	-	-
3"	£2.55/1"	£3.80/1"	-	-	-	-	-	-

STEEL SHEET

Thickness	22g	20g	18g	1.5mm	2.5mm	3mm(10g)	3/16"	1/4"
6" x 6"	£1.40	£1.55	£1.77	£2.20	£2.60	£3.35	£3.80	£5.10
12" x 6"	£2.40	£2.60	£2.90	£3.60	£4.30	£4.95	£5.50	£7.90
12" x 12"	£3.70	£3.85	£4.70	£5.95	£7.10	£8.85	£9.90	£12.40
18" x 12"	£5.20	£5.50	£6.50	£8.50	£9.65	£12.80	£14.05	£17.10
24" x 12"	£6.20	£6.65	£8.25	£10.75	£13.20	£16.10	£17.95	£21.90

Any sheet can be cut to your exact size. Please estimate by extrapolation + 20% or ask for prices

BRASS & STEEL STUDDING

Studding supplied
in 12" lengths

Size	Steel	Brass	Size	Steel
0BA	£2.65	£3.95	3/16" BSF	£1.90
1BA	£5.10	-	1/4" BSF	£2.50
2BA	£2.40	£3.85	3/8" BSF	£2.75
4BA	£2.50	£3.60	1/4" BSW	£1.95
5BA	£5.20	-	5/16" BSW	£2.40
6BA	£3.60	£4.75	3/8" BSW	£2.80
8BA	£4.30	£6.55	1/2" BSW	£2.95

MILD STEEL FLATS

Price per ft.

Size	1/16"	3/32"	1/8"	3/16"	1/4"	3/8"	1/2"	3/4"	1"
1/4"	-	-	£1.00	-	£0.87	£1.50	£2.20	£2.75	£3.10
3/8"	£1.15	£1.30	£1.30	£1.45	£1.50	£1.25	£2.80	£3.50	£3.75
1/2"	£1.40	£1.60	£1.80	£1.90	£2.20	£2.80	£2.05	£3.80	£4.40
5/8"	£1.50	£1.80	£2.05	£2.20	£2.45	£3.15	£2.95	-	£4.70
3/4"	£1.85	£2.05	£2.20	£2.45	£2.75	£3.50	£3.80	£4.10	£5.30
1"	£1.80	£2.30	£2.60	£2.75	£3.10	£3.75	£4.40	£5.30	£4.95
1.1/4"	£2.05	£2.60	£2.75	£2.90	£3.65	-	-	-	-
1.1/2"	£2.40	£2.65	£2.90	£3.20	£3.70	£4.85	£6.05	-	£9.80
2"	£2.80	£3.05	£3.50	£3.65	£3.90	£5.80	£6.95	-	£11.85
3"	£3.80	£3.90	£4.20	£4.60	£5.55	-	£10.20	-	£14.10
4"	£4.20	£4.60	£4.95	£5.70	£7.10	-	-	-	-

MILD STEEL BLOCKS & BAR

Mild steel Blocks, Round Bar and flats: We can supply most sizes and lengths cut to order.

Face Plate Castings

Ref: 566 Plain; 567 Ribbed for 'T' Bolts.
Both Castings in Cast Iron 9.1/4" Dia. with
60mm Dia Centre Boss.
Thickness at Rim: 566 - 28mm, 567 - 35mm.
566 - £26.65
567 - £31.25



Surface Plate

Ref. 503 - Cast Iron
Dimensions 195mm x 160mm x
36mm thick
Underside cast with webs.
£14.65



Instrument Makers Vice

Ref. 524/A - Aluminium 524/B - Cast Iron
Height to centre of boss - 65mm. Base: 105mm x 45mm
Supplied with spring

524/A - £4.20
524/B - £4.20

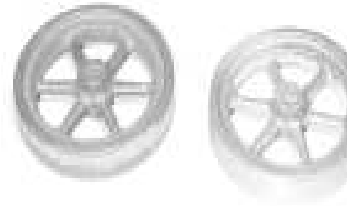
As Featured in Model
Engineers' Workshop No 18
- Aug./Sep 1993



Fly Wheels

Ref: 577 - Cast Iron or Phosphor Bronze
6 spoke 70mm dia x 13mm thick at rim with 14mm
dia boss. As used for a number of engines described
in Model Engineer magazines

557 Cast Iron - £8.40
557/PB Phosphor Bronze - £10.50



Lathe Carriers

Ref: 540/A, B & C - Malleable Cast Iron

Size:	Small	Medium	Large
Ref :	540/A	540/B	540/C
Max Dia.	32mm	40mm	54mm
Length	90mm	132mm	158mm
Price	£3.65	£4.70	£5.68



Screw Jack Cast Iron



Ref.	511 - Small
Height	84mm
Top	40mm
Base	58mm
Price	£5.20



Back Plate Castings

Cast Iron
Available in the following sizes:

Ref.	539/A	539/B	539/C	539/D	539/E	539/G	539/F
Nominal Dia:	2.3/4"	3.1/2"	4.1/2"	5.3/8"	6"	160mm	7.1/4"
Dia Large Face	70mm	90mm	115mm	136mm	155mm	165mm	185mm
Dia Small Face	-	50mm	51mm	73mm	78mm	80mm	82mm
Overall Thk.	23mm	24mm	32mm	41mm	43mm	42mm	48mm
Thk of Large Face	-	11mm	13mm	16mm	19mm	18mm	22mm
Price	£4.45	£6.15	£7.90	£9.80	£14.50	£16.80	£18.45



Synchronome Clock Back Plate

Ref: 574 - Cast Iron
Also Plum Bob Ready Drilled Casting Ref: 575 - 60mm dia x 305 mm long.
As Featured in Engineering in Miniature 1987.
A range of clock materials are available, Engraving Brass Sheet (CZ120), Brass Bar, Silver Steel, etc please see price list
574 - £35.50

English Regulator Clock Back Plate

Ref: 593 - Cast Iron
Back plate casting for English Regulator Clock by John Wilding
593 - £32.95



COPPER TUBE

Size	Price/ft	Size	Price/ft	Size	Price/ins
1/16" o/d x 26g	£0.95	3/4" o/d x 20g	£3.45	2" o/d x 16g	£1.25
3/32" o/d x 24g	£1.05	7/8" o/d x 20g	£4.15	2" o/d x 10g	£1.55
1/8" o/d x 22g	£1.10	1" o/d x 20g	£4.40	2.1/4" o/d x 16g	£1.47
5/32" o/d x 22g	£1.25	1" o/d x 16g	£5.50	2.1/2" o/d x 16g	£1.60
3/16" o/d x 22g	£1.30	1.1/8" o/d x 20g	£5.75	2.3/4" o/d x 16g	£1.78
1/4" o/d x 20g	£1.65	1.1/8" o/d x 16g	£6.25	3" o/d x 16g	£2.00
1/4" o/d x 16g	£1.95	1.1/4" o/d x 16g	£6.60	3" o/d x 10g	£2.75
5/16" o/d x 20g	£1.80	1.3/8" o/d x 10g	£8.60	3.1/2" o/d x 16g	£2.50
3/8" o/d x 20g	£1.99	1.1/2" o/d x 16g	£8.05	4" o/d x 16g	£3.25
7/16" o/d x 22g	£2.45	1.1/2" o/d x 10g	£11.45	4" o/d x 10g	£4.50
1/2" o/d x 20g	£2.60	1.3/4" o/d x 16g	£11.95	4.1/2" o/d x 10g	£5.45
9/16" o/d x 18g	£3.45	1.3/4" o/d x 10g	£15.40	5" o/d x 10g	£7.05
5/8" o/d x 18g	£3.10	2" o/d x 20g	£13.45	6" o/d x 10g	£8.60

STEEL ROUND & SQUARE TUBE

Size	Round/ft	Square/ft	Size	Rectangle/ft
1/2" x 18g	£0.95	£1.36	1" x 1/2" x 16g	£2.68
5/8" x 18g	£1.18	£1.44	1.1/2" x 3/4" x 16g	£3.10
3/4" x 16g	£1.52	£1.96	2" x 1" x 16g	£3.88
1" x 16g	£1.84	£2.24	-	-

STAINLESS TUBE

Size	Price Per 12"	Size	Price Per 12"
1/8" o/d x 22g	£2.25	6mm o/d x 1mm	£2.65
1/4" o/d x 22g	£2.85	10mm o/d x 1.5mm	£3.20
1/4" o/d x 16g	£3.20	22mm o/d x 1mm	£4.10
1/2" o/d x 18g	£4.25	36mm o/d x 2mm	£8.60

BRASS TUBE

Size (Min. 12" length)	Price Per 12"	Size: (Min. 6" length)	Price Per 6"	Size: (Min. 3" length)	Price Per 1"
3/32"o/d x 28g	£2.40	7/8"o/d x 20g	£3.40	1.3/4"o/d x 10g	£2.10
1/8"o/d x 22g	£2.15	1"o/d x 20g	£3.65	1.3/4"o/d x 1/4"	£2.45
3/16" o/d x 22g	£2.30	1"o/d x 16g	£4.45	2"o/d x 20g	£1.80
1/4"o/d x 20g	£2.35	1.1/8" o/d x 20g	£3.95	2"o/d x 16g	£2.40
5/16"o/d x 20g	£2.55	1.1/8"o/d x 16g	£5.20	2"o/d x 10g	£2.80
3/8"o/d x 20g	£2.85	1.1/4"o/d x 20g	£4.90	2"o/d x 1/4"	£3.65
1/2"o/d x 20g	£3.60	1.1/4"o/d x 16g	£5.50	2.1/4"o/d x 20g	£2.20
1/2"o/d x 16g	£4.25	1.1/2"o/d x 20g	£5.30	2.1/4"o/d x 1/4"	£4.30
5/8"o/d x 20g	£4.45	1.1/2"o/d x 16g	£7.30	2.1/2"o/d x 20g	£2.40
5/8"o/d x 16g	£5.45	1.1/2"o/d x 10g	£8.55	2.1/2"o/d x 10g	£3.50
3/4"o/d x 20g	£4.90	1.1/2"o/d x 1/4"	£10.75	2.1/2" o/d x 1/4"	£4.80
3/4"o/d x 16g	£3.15	1.3/4"o/d x 20g	£9.30	3" o/d x 16g	£3.75

Other diameters lengths & thicknesses available on request.

COPPER SHEET

C101

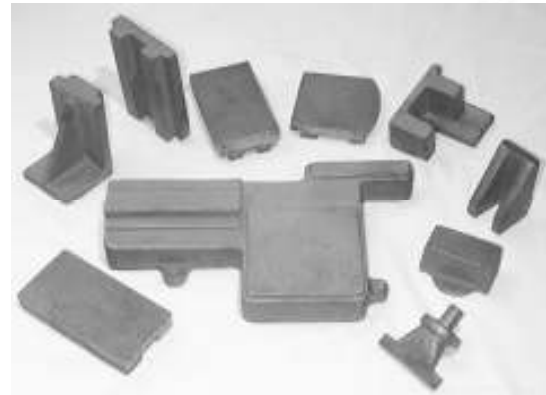
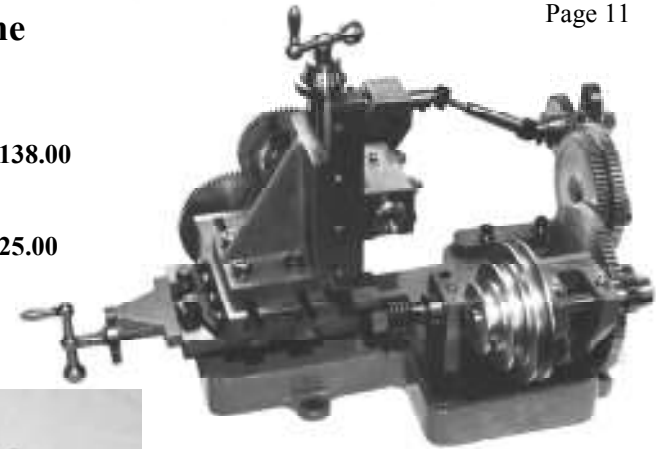
Thickness/ Size	22g (0.028")	20g (0.036")	18g (0.048")	16g (0.064")	3/32" (12g)	10g (0.127")
6" x 6"	£3.70	£4.55	£5.65	£6.95	£9.75	£12.80
12" x 6"	£6.20	£7.25	£8.55	£11.05	£16.25	£21.40
12" x 12"	£9.90	£11.50	£14.30	£18.45	£27.05	£35.70
18" x 12"	£13.75	£16.10	£19.75	£26.90	£39.30	£51.80
24" x 12"	£16.30	£19.05	£24.65	£33.60	£49.15	£64.75

Any sheet can be cut to your exact size. Please estimate by extrapolation +20% or ask for prices

Gear Hobbing Machine Ref 582

582
Set of 10 Castings and Drawings £138.00

582DRG
Drawings Only £25.00



Kit of 10 Castings

With the exception of the bed plate, most machining can be done on a 3" centre lathe. The gear wheels on the machine are to a standard of 20 D.P. and 3/8" face width with 5/8" dia. bore as used on Myford lathes. Using the lathes change wheels, the machine can be used to make its own set of gears, 1/2" thick aluminium alloy blanks are suitable for this purpose. Designed on good machine tool principles, the machine incorporates dovetail slides and an Acme screw and nut for the auto feed cross slide. The main components are cast iron, with mild steel used for shafts and small details.

Hobs may be purchased or made from hardenable steel or by screw cutting an Acme thread and gashing to form teeth. The production of gear hobs was the subject of an article in the "Model Engineers' Workshop" magazine edition No. 56 - Feb/April 1999. One hob having teeth with straight flanks will cut gear teeth of the correct involute shape for any number of teeth. By contrast, gear wheels cut by milling one tooth at a time on a dividing head require eight or more milling cutters to cover the full range. Gear wheels can be cut to D.P. module, or circular pitch standards depending on the hob. Be sides spur gears, the machine can be adapted to cut helical gears, worm wheels and bevel gears. A 1/6 or 1/4 H.P 1425 r.p.m. motor will provide adequate driving power.

A set of imperial dimensioned drawings includes one General Arrangement drawing size "AO" and five "A1" sheets of Detail Drawings. For drawing only order Ref: 582DRG

A kit of castings includes 10 un-machined Grade 14 Cast Iron parts weighing approx. 22kg.

The Gear Hobbing Machine was the subject of articles the "Model Engineer" and more recently "Model Engineers Workshop"

"Model Engineer" References. Volume 142. - 1976

Jan. 16th, Feb. 6th, Feb. 20th, Mar. 5th, Mar. 19th, July 16th, Aug. 6th

Also see "postbag" 7th May 1976 and the exhibition reports of 4th April 1980. Volume 146.

"Model Engineers' Workshop" References.

Gear Hobbing in the Home Workshop
Editions 56 - 60

Part casting sets & individual castings can be supplied. Drawings can be purchased for inspection prior to purchase of the casting kit. Extracts from M.E Workshop editions 56-60, can be supplied on request.

OTHER CASTINGS PRICE LIST

CAT No	DESCRIPTION	MAT'L	PRICE EA.
504	Vee Block (Large)	C.I.	£11.10
505	Vee Block (Small)	C.I.	£3.60
506	Vee Block Clamp (To suit 505)	Mall. C.I.	£3.10
510	Pulley Extractor	C.I.	£3.30
542	Vee Block (Medium)	C.I.	£5.30
543	Vee Block Clamp (To suit 542)	Mall. C.I.	£4.30
548	Angle Table	C.I.	£19.95
554	Large machine vice with jaw and cap	C.I.	£17.95
565	Milling Vice	C.I.	£25.20

BRONZE CORED BAR & BLOCKS

In addition to our range of Round Leaded Bronze and Cored Bar in SA660 we can also cut blocks in SA660 to most sizes. Please ask for prices but as an estimate calculate at approx. £16.50/kg over 1 kg per item (1 cu ins of Ph.Bz. = 0.146 KGs approx.)

We can also supply round and square Phosphor Bronze in PB1.

The following is an example of the range of cored bar available. This is by no means a full list of sizes. Please state sizes required and ask for prices.

1"o/d x 1/2"i/d; 1"o/d x 3/4"i/d; 1.1/4"o/d x 3/4"i/d; 1.1/2"o/d x 3/4" i/d;
 1.1/2"o/d x 1"i/d; 1.3/4"o/d x 1"i/d; 2"o/d x 1"i/d; 2"o/d x 1.1/2 i/d;
 2.1/4"o/d x 1"i/d; 2.1/4"o/d x 1.1/2"i/d; 2.1/2"o/d x 1"i/d;
 2.1/2"o/d x 1.1/2"i/d; 2.3/4"o/d x 2"i/d; and up to 4"o/d x 3" i/d

The material is bearing quality SA660 continuously cast. Sizes are cast over/under size so you can finish at the respective diameter. (e.g. 2"o/d x 1"i/d would be supplied as 2.1/32"o/d x 31/32"i/d)

KEY STEEL

Size	Price/12" Length
1/8" Sq.	£3.85
5/32" Sq.	£4.40
3/16" Sq.	£4.50
7/32" Sq.	£5.10
1/4" Sq.	£5.20
5/16" Sq.	£5.45
3/8" Sq.	£7.75
7/16" Sq.	£8.15
1/2" Sq.	£9.15

BRASS FLATS

Price per ft.

Size (ins)	1/32" (20g)	1/16" (16g)	3/32" (12g)	1/8" (10g)	3/16"	1/4"	3/8"	1/2"
1/4"	£1.20	-	-	£1.90	-	£2.20	-	-
1/2"	£1.40	£1.60	£2.60	£2.75	£2.95	£3.20	-	£3.85
3/4"	£1.60	£1.95	£2.70	£3.10	£3.50	£4.10	£5.15	£7.20
1"	£1.75	£2.30	£2.95	£3.50	£4.10	£4.55	£6.80	£8.60
1.1/4"	£1.95	£2.80	£3.75	£4.00	£4.40	£5.20	-	-
1.1/2"	£2.60	£3.10	£3.95	£4.28	£4.95	£6.10	£9.75	£11.60
1.3/4"	£2.70	£3.40	£4.30	£4.90	£5.60	£6.75	-	-
2"	£3.10	£3.55	£4.60	£5.40	£6.15	£8.20	£12.15	£15.20

Available in other sizes, Please ask for prices. These sizes may be cut from brass sheet

SQUARE BRASS TUBE

Size	Price
1/2" Sq x 18g	£5.25/ft
3/4" Sq x 18g	£6.20/ft
1" Sq x 16g	£9.25/ft
1 1/4" Sq x 16g	£11.50/ft
1 1/2" Sq x 16g	£14.95/ft

SILVER SOLDER & FLUX

SILVER SOLDER - "Easy Flow" No 2 Melting Point 610°C
 1.6mm dia x 500mm long at £2.45 each or £21.90 per 10
 1.0mm dia x 500mm long at £1.35 each or £12.15 per 10
 High Melting Point Silver Solder - Melting point 810°C
 1.6mm dia x 500mm long at £2.30 each or £20.70 per 10

FLUX - Silver Solder Flux Powder: 500g - £16.90
 250g - £9.50
 50g - £3.20

SPINNING BRASS SHEET CZ106

Size:	6" x 6"	6" x 12"	12" x 12"	18" x 12"	24" x 12"
20g	£4.35	£7.25	£12.10	£17.70	£22.10
16g	£4.80	£8.00	£13.30	£19.95	£24.30

Supplied in the soft condition and used for metal spinning, deep drawing, etc.

SHIM BRASS & SHIM STEEL

Size/Thickness	Brass Shim			Steel Shim		
	6" x 3"	6" x 6"	6" x 12"	6" x 3"	6" x 6"	6" x 12"
0.002"	£1.40	£2.25	£3.65	£1.55	£2.40	£3.65
0.003"	£1.50	£2.30	£3.85	£1.55	£2.40	£3.65
0.004"	£1.55	£2.45	£4.05	£1.55	£2.40	£3.65
0.005"	£1.80	£2.80	£4.35	£1.55	£2.40	£3.65
0.010"	£2.20	£3.30	£5.05	£1.90	£2.95	£4.50
0.015"	£2.30	£3.65	£5.45	£1.90	£2.95	£4.50
Assorted Pack - 1 off each, of the above	£8.95	£13.75	£20.95	£7.90	£12.20	£18.20

Longer lengths available, Please Ask.

BRASS BEADING

Dia	Height	Type	Price/ft
3/32"	1/16"	Convex	£1.55
1/8"	1/16"	Half Round	£1.70
3/16"	3/32"	Half Round	£1.95
1/4"	1/8"	Half Round	£2.20
5/16"	1/8"	Convex	£2.60
3/8"	1/8"	Convex	£2.85
1/2"	1/8"	Convex	£3.45

SQUARE SILVER STEEL

IMPERIAL	13" long
Size	Price
1/8"	£2.25
5/32"	£2.90
3/16"	£3.25
7/32"	£3.70
1/4"	£4.60
5/16"	£5.20
3/8"	£6.30
7/16"	£6.95
5/8"	£9.55
3/4"	£11.65

METRIC	333mm Long
Size	Price
5mm	£3.45
6mm	£4.20
7mm	£4.35
8mm	£4.95
9mm	£5.99
10mm	£6.80

See Also:-
 Steel & Stainless Steel - Page 25
 Ground Flat Stock - Page 13
 Key Steel - Page 12

GROUND SQUARE STOCK

Size	9" Length	18" Length
1/8" Sq.	£6.30	£11.60
3/16" Sq.	£6.40	£11.75
1/4" Sq.	£6.55	£11.90
5/16" Sq.	£6.60	£12.05
3/8" sq.	£7.75	£14.20
1/2" Sq.	£8.90	£16.20
5/8" Sq.	£11.20	£20.50
3/4" Sq.	£14.25	£25.95
1" Sq.	£18.55	£33.10

All Prices Exclude VAT

SILVER STEEL

IMPERIAL	13" long
Size	Price
1/32"	£0.75
3/64"	£0.75
1/16"	£0.75
3/32"	£0.80
7/64"	£0.85
1/8"	£0.85
5/32"	£1.25
3/16"	£1.35
7/32"	£2.05
1/4"	£2.15
5/16"	£2.60
3/8"	£3.80
7/16"	£4.15
1/2"	£5.55
9/16"	£6.80
5/8"	£7.90
11/16"	£9.75
3/4"	£11.20
13/16"	£13.05
7/8"	£14.25
1"	£17.40
1.1/8"	£18.95
1.1/4"	£24.75

METRIC	333mm long
Size	Price
1mm	£0.75
1.5mm	£0.75
2mm	£0.75
2.5mm	£0.85
3mm	£0.95
3.5mm	£1.10
4mm	£1.15
4.5mm	£1.60
5mm	£1.60
5.5mm	£2.05
6mm	£2.15
7mm	£2.45
8mm	£2.70
9mm	£3.60
10mm	£4.25
12mm	£5.80
14mm	£6.95
15mm	£7.70
16mm	£7.95
18mm	£9.95
20mm	£11.80
25mm	£17.45

BLUE TEMPERED SPRING STEEL

Thickness	1.1/4" x 12"
0.010"	£5.25
0.015"	£5.95
0.020"	£6.40
0.025"	£6.85

ENGRAVING BRASS SHEET CZ120

Thickness/ Size	22g 0.028"	20g 0.036"	18g 0.048"	16g 0.064"	12g 0.104"	10g 0.127"	3/16" 0.187"	1/4" 0.250"
3" x 3"	-	-	-	-	-	£5.90	£6.80	£8.70
6" x 3"	-	-	-	£4.60	£6.90	£9.25	£10.65	£12.15
6" x 6"	£4.45	£5.45	£6.50	£7.75	£13.45	£14.20	£16.85	£20.25
12" x 6"	£7.45	£9.10	£10.30	£12.15	£16.60	£22.45	£28.10	£33.70
12" x 12"	£12.40	£14.60	£16.45	£19.40	£26.45	£37.30	£46.95	£56.15
18" x 12"	£17.35	£20.35	£22.90	£26.80	£38.45	£54.60	£68.25	£81.65
24" x 12"	£21.65	£24.30	£27.25	£33.50	£47.85	£67.85	£85.30	£99.75

Engraving Brass is sometimes known as **Leaded or Compo Brass**. It is much easier to machine than ordinary brass (CZ108). Any sheet can be cut to your exact size please estimate by extrapolation + 20% or ask for prices. Due to difficulties in supply, should exact size not be available the nearest possible metric/gauge size will be supplied.

BRASS SHEET CZ108

Half Hard

Thickness /Size	26g 0.018"	24g 0.022"	22g 0.028"	20g 0.036"	18g 0.048"	16g 0.064"	12g 0.104"	10g 0.127"	3/16" 0.187"
6" x 3"	-	-	-	-	£3.40	£4.10	£5.60	£7.90	£9.10
6" x 6"	-	-	£3.90	£4.75	£5.40	£6.50	£8.90	£11.95	£14.50
12" x 6"	£5.70	£5.90	£6.40	£7.60	£8.60	£10.40	£14.65	£19.95	£24.20
12" x 12"	£9.55	£9.95	£10.25	£11.90	£13.75	£16.40	£23.30	£33.25	£40.30
18" x 12"	£13.95	£14.20	£14.50	£16.60	£18.95	£23.70	£34.40	£48.30	£58.70
24" x 12"	£16.40	£17.80	£18.95	£20.80	£23.70	£29.65	£42.35	£60.40	£73.10

Supplied in the Half Hard condition. Good for bending, fabrication, etc. but not as good for machining as CZ120.

Any sheet can be cut to your exact size. Please estimate by extrapolation + 20% or ask for prices.

All Prices Exclude VAT

ALUMINIUM SHEET

Thickness/ Size	22g 0.7mm	20g 1mm	18g 1.2mm	16g 1.5mm	10g 3mm	1/4" 6mm	5/16" 8mm	3/8" 10mm	1/2" 12mm
6" x 6"	£1.30	£1.60	£2.20	£2.50	£4.90	£4.70	£9.95	£10.70	£12.30
12" x 6"	£2.25	£2.95	£3.50	£4.60	£7.80	£11.90	£12.40	£13.90	£17.50
12" x 12"	£4.25	£5.35	£6.55	£7.80	£15.20	£17.25	£21.30	£24.75	£28.00
18" x 12"	£5.30	£6.65	£8.45	£10.60	£19.45	£24.95	£30.20	£35.20	£41.10
24" x 12"	£6.75	£7.90	£10.75	£12.85	£24.80	£31.85	£39.35	£44.75	£51.60

Other Sizes and thicknesses available. Any sheet can be cut to your exact size please estimate by extrapolation + 20% or ask for prices.

All Prices Exclude VAT

See previous Page for smaller diameters

ALUMINIUM BLANKS

Free Machining to BS4300/5 2011T3

Round	Price per 1" thick blank	Price per extra inch
2.1/2"	£3.75	£3.20
3"	£5.55	£4.70
3.1/2"	£6.60	£5.55
4"	£8.00	£6.70
4.1/2"	£10.40	£8.70
5"	£12.80	£11.30
6"	£14.70	£12.45

Aluminium Blocks - Please ask for prices.

We can cut and supply Aluminium Blocks, Plate & Sheet in HE30 or HE15

CLOCK KITS

We can supply kits of materials to order. Please forward your list.

The following kits are normally stocked:

By John Wilding: Jubilee Clock, 3/4 sec. Clock, Weight Driven Egg Timer, 8 Day Wall Clock, Congreve Clock, Gearless Clock, etc.

By Alec Price : 1/2 size Turret Clock.

Also Synchronome Back Plate Casting & English Regulator Clock Casting.

GROUND FLAT STOCK

Gauge Plate

Size	9" Length	18" Length
1" x 1/32"	£3.40	£5.80
1" x 1/16"	£4.05	£6.85
1" x 3/32"	£4.20	£7.45
1" x 1/8"	£4.40	£7.50
1" x 5/32"	£4.95	£8.05
1" x 3/16"	£5.20	£9.15
1" x 1/4"	£7.30	£12.55
1" x 5/16"	£8.90	£15.60
1" x 3/8"	£9.95	£17.65
1" x 1/2"	£11.70	£20.80
2" x 1/32"	£5.80	£10.95
2" x 1/16"	£7.05	£12.60
2" x 3/32"	£7.65	£13.40
2" x 1/8"	£7.71	£13.50
2" x 5/32"	£8.55	£15.00
2" x 3/16"	£8.70	£15.60
2" x 1/4"	£11.15	£19.95
2" x 5/16"	£12.45	£22.40
2" x 3/8"	£15.15	£26.90
3" x 1/16"	£8.70	£15.20
3" x 1/8"	£10.65	£18.85
3" x 3/16"	£13.40	£23.60
3" x 1/4"	£14.68	£25.95
4" x 1/16"	£10.25	£17.95
4" x 1/8"	£12.30	£21.75

Other sizes available. Please ask

All Prices Exclude VAT

PRECISION GROUND MILD STEEL - EN1A

Diameter	Price/12" length	Diameter	Price/12" length
1/4"	£1.55	5/8"	£4.85
5/16"	£1.95	3/4"	£6.40
3/8"	£2.50	1"	£9.00
1/2"	£3.80	1.1/4"	£10.70

Other materials available. Please ask.

NON FERROUS METALSAll Bar lengths 12" except where stated.
Cut lengths longer/shorter can be supplied.

Material/Size:	Brass CZ121			Phosphor Bronze				Copper	Aluminium			
				*PB102 & SA660		Colphos 90 - Free			Free Machining - 2011		HE30	HE15
Dia, Sq, A/F	Round	Square	Hex	Round	Hex	Round	Hex	Round	Round	Hex	Square	Round
3/32"	£0.55	-	-	-	-	-	-	-	-	-	-	-
1/8"	£0.60	£0.85	£0.70	£1.25/6"	-	-	-	£0.70	-	-	-	-
5/32"	£0.65	£1.00	£0.80	-	-	-	-	-	-	-	-	-
3/16"	£0.80	£1.15	£0.95	£1.75/6"	-	£2.30/6"	-	£1.45	-	-	-	-
7/32"	£0.95	-	-	-	-	-	-	-	-	-	-	-
1/4"	£1.35	£1.90	£1.60	£1.90/6"	-	£2.75/6"	£4.50/6"	£2.10	£1.05	-	£1.50	£1.50
5/16"	£1.80	£2.45	£2.05	£2.85/6"	-	£3.85/6"	£5.45/6"	-	-	-	-	-
3/8"	£2.05	£2.85	£2.35	£4.15/6"	£6.15/6"	£5.40/6"	-	£3.95	£1.30	-	-	£1.95
7/16"	£2.40	£3.45	£2.80	£4.95/6"	-	-	£8.15/6"	-	-	-	-	-
1/2"	£2.80	£4.05	£3.25	£5.85/6"	£8.80/6"	-	-	£5.10	£2.05	£2.50	£3.25	£3.45
9/16"	£3.75	£5.20	-	-	-	-	-	-	-	-	-	-
5/8"	£4.30	£6.15	£4.95	£7.75/6"	£10.65/6"	-	-	£7.15	£3.60	-	-	-
3/4"	£6.15	£8.90	£7.30	£8.95/6"	£11.95/6"	-	-	£9.50	£4.10	£4.95	£5.45	£5.15
7/8"	£8.35	£12.10	£11.60	£10.45/6"	-	-	-	-	-	-	-	-
1"	£10.70	£15.30	£6.40/6"	£12.70/6"	-	-	-	£8.50/6"	£5.90	£7.00	£7.75	£7.15
1.1/8"	£7.75/6"	-	-	-	-	-	-	-	-	-	-	-
1.1/4"	£8.60/6"	£12.10/6"	-	£3.40/1"	-	-	-	-	£4.95/6"	£5.95/6"	£6.70/6"	£6.95/6"
1.3/8"	£1.85/1"	-	-	£4.05/1"	-	-	-	-	-	-	-	-
1.1/2"	£2.20/1"	£3.10/1"	-	£4.80/1"	-	-	-	-	£5.95/6"	£7.10/6"	£8.25/6"	£9.45/6"
1.3/4"	£3.20/1"	£4.50/1"	-	£5.95/1"	-	-	-	-	£7.80/6"	-	-	£12.65/6"
2"	£3.80/1"	£5.35/1"	-	£6.35/1"	-	-	-	-	£9.25/6"	-	£2.80/1"	-
2.1/2"	£5.90/1"	-	-	£8.20/1"	-	-	-	-	See Aluminium Blanks (Page 18) Also Larger Available			
3"	£8.60/1"	-	-	£11.45/1"	-	-	-	-				
3.5"	£11.50/1"	-	-	£14.80/1"	-	-	-	-				
4"	£17.00/1"	-	-	£18.95/1"	-	-	-	-				