



BEARING & TOOL CENTRE



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Our Sister Concern : RELIEF SERVICE CENTRE

Repairs, Removal of Jaw Error, Bore Gauge Extension, Instrument Modifications & Spares

Quotation

71 | Straight Edge – Engineer’s (Steel) Flat Section – Grade Inspection – Luthra make

| Size - mm | C | 300 x 50 x 8 | 450 x 50 x 8 | 600 x 50 x 8 | 1000 x 50 x 10 | 1200 x 55 x 10 |
|----------------|---|----------------|----------------|----------------|----------------|-----------------|
| Hardened Rs. | Y | 1450 | 1850 | 2550 | 4600 | 5700 |
| Unhardened Rs. | Y | 700 | 1100 | 1350 | 2550 | 3100 |
| Catalog | | Page – 5 | Page – 5 | Page – 5 | Page – 5 | Page – 5 |
| Size – mm | | 1500 x 65 x 12 | 2000 x 65 x 12 | 2500 x 65 x 14 | 3000 x 85 x 18 | 4000 x 100 x 20 |
| Hardened Rs. | Y | 6850 | 8950 | 25500 | 36750 | -- |
| Unhardened Rs. | Y | 3500 | 5100 | 12750 | 20500 | 32500 |
| Page No | | Page – 5 | Page – 5 | Page – 5 | Page – 5 | Page – 5 |

71 - 1 | Straight Edge – - Standard sizes and accuracy of Cast Iron - I - Section Parallel Type as per IS 5268:1991 Grade – 1 - Luthra make

| Length of Straight Edge mm | Dimensions of Parallel Type Straight Edges | | | Tolerances on flatness of working surfaces and parallelism tolerance. | Rs. | Catalog |
|----------------------------|--|-------------------|---------------------|---|--------|-------------|
| | Width of working surfaces mm | Overall Height mm | Flange thickness mm | Grade 1 Microns(um) | | |
| 500 | 35 | 100 | 12 | 5 | 2850 | Page No.- 5 |
| 1000 | 35 | 100 | 12 | 10 | 4400 | Page No.- 5 |
| 1500 | 50 | 150 | 15 | 15 | 9300 | Page No.- 5 |
| 2000 | 50 | 150 | 15 | 20 | 13250 | Page No.- 5 |
| 2500 | 60 | 190 | 15 | 25 | 22250 | Page No.- 5 |
| 3000 | 60 | 190 | 15 | 30 | 32150 | Page No.- 5 |
| 3500 | 75 | 300 | 18 | 40 | 46200 | Page No.- 5 |
| 4000 | 75 | 300 | 18 | 40 | 59500 | Page No.- 5 |
| 5000 | 80 | 300 | 18 | 50 | 82250 | Page No.- 5 |
| 6000 | 80 | 300 | 18 | 60 | 99500 | Page No.- 5 |
| 6500 | 80 | 300 | 18 | 60 | 118500 | Page No.- 5 |

*** Certificate - Yes

71 - 2 | Straight Edge - Light Weight – Made of Aluminium – Grade Inspection – Luthra make

| Size - mm | Cert | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 5000 |
|-----------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Rs. | Y | 3750 | 8000 | 12000 | 17750 | 22000 | 43500 | 68500 |
| Catalog | | Page No.- 5 | Page No.- 5 | Page No.- 5 | Page No.- 5 | Page No.- 5 | Page No.- 5 | Page No.- 5 |

71 - 3 | Straight Edge - Granite – Grade Inspection – Luthra make

| Size - mm | Cert | 1000 x 150 x 75 | 1500 x 200 x 75 | 2000 x 200 x 75 |
|-----------|------|-----------------|-----------------|-----------------|
| Rs. | Y | 9300 | 16000 | 21750 |
| Catalog | | Page No.- 6 | Page No.- 6 | Page No.- 6 |

71 - 4 | Straight Edge – Samrat make

| Size - mm | 150 | 250 | 300 | 450 | 600 |
|-----------|-----|-----|-----|-----|-----|
| Rs. | 290 | 435 | 525 | 705 | 200 |

71 - 5 | Straight Edge - Steel – Grade Inspection – (As Per IS 2220 – 1962)

| Size – (Lx H x T)mm | Disc % | Cert | 100 x 15 x 5 | 160 x 20 x 8 | 300 x 35 x 12 | 500 x 50 x 15 | 800 x 80 x 20 | 1000 x 100 x 20 |
|-------------------------|--------|------|--------------|--------------|---------------|---------------|---------------|-----------------|
| Crystal Make Rs. | 4 | Y | 1320 | 3330 | 5990 | 8650 | 11310 | 15310 |
| Code | | | AA-2901 | AA-2902 | AA-2903 | AA-2904 | AA-2905 | AA-2906 |
| Catalog | | | Page No.- 7 | Page No.- 7 | Page No.- 7 | Page No.- 7 | Page No.- 7 | Page No.- 7 |
| Ultra Make Rs. | 7 | Y | 1300 | 3300 | 6000 | 8600 | 11250 | 15200 |
| Code | | | UL-60201 | UL-60202 | UL-60203 | UL-60204 | UL-60205 | UL-60206 |
| Catalog | | | Page No.- 7 | Page No.- 7 | Page No.- 7 | Page No.- 7 | Page No.- 7 | Page No.- 7 |

71 - 6 | Straight Edge - Steel - Insize make

| Size - mm | Cert | W | 300 | 500 |
|-----------|------|---|-------------|-------------|
| Rs. | N | 6 | 2844 | 4356 |
| Code | | | 7111 – 300A | 7111 – 500A |
| Catalog | | | Page No.- 8 | Page No.- 8 |

Note – AME BRAND AVAILABLE @ 25% DISC. ON ABOVE LUTHRA PRICE LIST

Note – 30% extra for beveled edge in Flat Section. (Luthra Make) only.

Note – Other size on request

-> Note : Central Excise limit with effect from 1-1-2012 on Jafuji make. The rate of Duty applicable is 10.3% (10% Basic Excise Duty, 2% Edu. Cess & 1% secondary & higher Edu. Cess).

Terms & Conditions –

- Goods offered - Subject to Prior Sale
- Price Validity: "15 Days from Date of Quotation"
- C.S.T 2% extra against form C. Otherwise 5% without form C For Out of Gujarat Sales only.
- VAT 5% extra for Sales within Gujarat. Prices Ex-Godown Ahmedabad.
- Payment against Proforma Invoice, Packing, Forwarding & Freight extra.
- **Bank Detail** – Kotak Mahindra Bank Ltd.
- **Branch** – Shivranjini
- **Bank IFSC Code** - KKBK 0000 810
- **Bank Account No.** 08102 00000 2689
- Note - While making payment online do mention your Company's name.
- TIN NO 24070901229 , CST No. 24570901229
- We are looking forward to your valued orders.

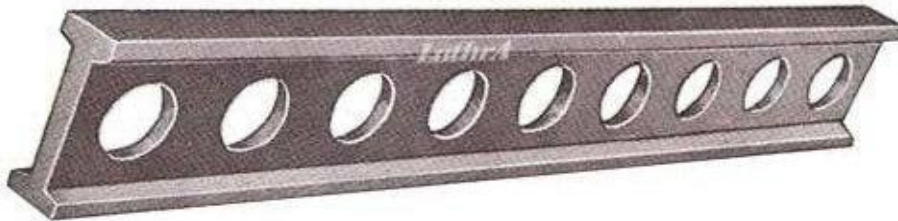
LUTHRA MAKE

We are one of the well-known manufacturers of cast iron straight edges that are widely used for erection, commissioning and levelling purpose. I- section straight edges is used to check the surface flatness of large precision area such as surface tables and machine tables etc. Cast iron straight edges are also used for blue matching during hand scrapping operations .I-section straight edges have wide and parallel working surface for application of spirit level.

Luthra I -Section straight Edge are made as per IS 5268:1991 Grade-1.

Luthra cast iron I-Section Straight Edges are made of good quality closed grain cast iron strictly as per IS 210:1993 confirming to Grade FG-220.

- Castings are stress relieved either by natural ageing or by artificial seasoning
- Hardness 170-220 BHN
- Hand scrapped for surface finish of Grade-1 accuracy.
- Wooden covers are provided with each straight edge to protect working surfaces.
- Safe storage wooden box can also be provided on request at extra cost.
- Actual dimensions of Straight Edges may be more or less than those mentioned in the table below therefore the sizes and dimensions of straight edges of the same length may vary.
- Only match pair Straight edges will have the same dimensions (i.e. overall depth).The flatness and parallelism will be within specified limits of the standard and those can be used as Matched pairs.
- I- Section Straight Edges are supplied with computerised calibration certificate traceable to National Physical Laboratory (NPL, Govt Of India) New Delhi.



I-Section (Parallel Type)



Camel Back (Bow Shape)

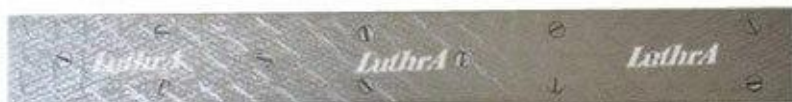
We provide our clients with Engineer's steel straight edges. These are widely used for checking straightness and marking purposes. Steel straight edges are made using high quality steel and are available in hardened and unhardened form. Our steel straight edges are hand scrapped or lapped to achieve the desired accuracy as per standards. Light in weight, design of these straight edges make them ideal to use in various industries such as Glass, Fabrication and windmill. The Engineer's steel straight edges of bigger size are provided with milling slots to reduce weight. Our Steel Straight edges are supplied with computerised calibration certificate traceable to National Physical Laboratory (NPL, Govt Of India) New Delhi.

Standard sizes and accuracy of Luthra Engineer's Steel Straight Edges as per IS:2220-1990, Grade-1

| Dimensions L X B X H mm | Straightness Microns um | Parallelism Microns um |
|-------------------------------|-------------------------------|---------------------------|
| 300 x 35 x 8 | 12 | 24 |
| 450 x 35 x 8 | 12 | 24 |
| 600 x 50 x 8 | 15 | 30 |
| 1000x 50 x 8 | 21 | 42 |
| 1200 x 55 x 10 | 25 | 50 |
| 1500 x 65 x 12 | 29 | 58 |
| 2000 x 65 x 12 | 37 | 74 |
| 2500 x 65 x 12 | 46 | 92 |
| 3000 x 85 x 18 | 54 | 108 |
| 4000 x 100 x 20 | 71 | 142 |
| 5000 x 100 x 20 | 87 | 174 |
| 6000 x 120 x 20 | 100 | 200 |

*Other Sizes On Request

Light Weight Aluminum Straight Edge



Working Surface



STRAIGHT EDGES

Engineer's (Steel) Flat Section

As per IS - 2220 - 1991
GRADE -I

| SIZE IN MM | Hardened PRICES IN INR | Unhardened PRICES IN INR |
|-----------------|---------------------------|-----------------------------|
| 300 x 50 x 8 | 1450.00 | 700.00 |
| 450 x 50 x 8 | 1850.00 | 1100.00 |
| 600 x 50 x 8 | 2550.00 | 1350.00 |
| 1000 x 50 x 10 | 4600.00 | 2550.00 |
| 1200 x 55 x 10 | 5700.00 | 3100.00 |
| 1500 x 65 x 12 | 6850.00 | 3500.00 |
| 2000 x 65 x 12 | 8950.00 | 5100.00 |
| 2500 x 65 x 14 | 25500.00 | 12750.00 |
| 3000 x 85 x 18 | 36750.00 | 20500.00 |
| 4000 x 100 x 20 | | 32500.00 |
| 5000 x 100 x 20 | | 45500.00 |
| 6000 x 120 x 20 | | 61500.00 |

Bevelled Edge 30% Extra

Other Sizes on Request



STRAIGHT EDGES

I - Section (Parallel Type)

As per IS - 5268 - 1991

| SIZE IN MM | GRADE -I PRICES IN INR | SIZE IN MM | GRADE -I PRICES IN INR |
|------------|---------------------------|------------|---------------------------|
| 500 | 2850.00 | 3500 | 46200.00 |
| 1000 | 4400.00 | 4000 | 59500.00 |
| 1500 | 9300.00 | 5000 | 82250.00 |
| 2000 | 13250.00 | 6000 | 99500.00 |
| 2500 | 22250.00 | 6500 | 118500.00 |
| 3000 | 32150.00 | | |

Other Sizes on Request



LIGHT WEIGHT STRAIGHT EDGES

Made of Aluminium

With Steel Re-inforced Working Surfaces

| SIZE IN MM | GRADE -I PRICES IN INR | SIZE IN MM | GRADE -I PRICES IN INR |
|------------|---------------------------|------------|---------------------------|
| 1000 | 3750.00 | 3000 | 22000.00 |
| 1500 | 8000.00 | 4000 | 43500.00 |
| 2000 | 12000.00 | 5000 | 68500.00 |
| 2500 | 17750.00 | | |

Other Sizes on Request



GRANITE STRAIGHT EDGES

| SIZE (MM) | PRICES IN INR |
|-----------------|---------------|
| 1000 x 150 x 75 | 9300.00 |
| 1500 x 200 x 75 | 16000.00 |
| 2000 x 200 x 75 | 21750.00 |

Other Sizes on Request



STRAIGHT EDGES

Prismatic (Triangular)

As per IS: 8823-1978 Grade - I

Angle Between Working Surfaces

| SIZE (MM) | Angle Between Working Surfaces | | |
|-----------|--------------------------------|---------------|---------------|
| | 30 degree | 45 degree | 60 degree |
| | PRICES IN INR | PRICES IN INR | PRICES IN INR |
| 500 | 3250.00 | 3500.00 | 3750.00 |
| 1000 | 6600.00 | 6950.00 | 7650.00 |
| 1500 | 11000.00 | 11750.00 | 12850.00 |
| 2000 | 17150.00 | 18250.00 | 19750.00 |
| 2500 | 32250.00 | 33750.00 | 37250.00 |

Other Sizes on Request



STRAIGHT EDGES

Camel Back (Bow Shape)

As per IS: 5268-1991

| SIZE (MM) | GRADE-I PRICES IN INR |
|-----------|--------------------------|
| 300 | 1750.00 |
| 600 | 2600.00 |
| 1000 | 4800.00 |
| 1500 | 9950.00 |

Other Sizes on Request



STRAIGHT EDGES



TOOL MAKER'S (Knife Edges)

As per IS - 3512 - 1966

| SIZE IN MM | GRADE-I PRICES IN INR | SIZE IN MM | GRADE-I PRICES IN INR |
|------------|--------------------------|------------|--------------------------|
| 100 | 900.00 | 450 | 4550.00 |
| 150 | 1450.00 | 500 | 5450.00 |
| 300 | 3500.00 | | |

Other Sizes on Request

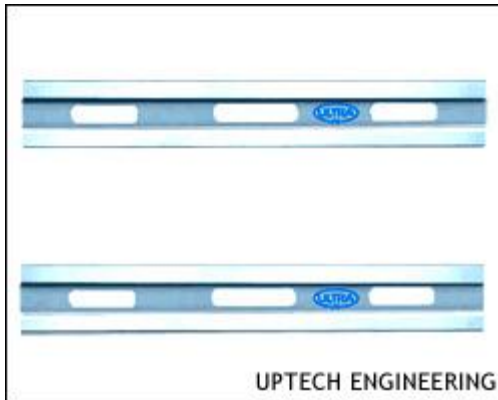
CRYSTAL MAKE

| | | | | | |
|-----|---|---|--------------------------|-------|------|
| 110 |  Hardened & Ground Steel Straight Edge Accuracy as per IS-2220-1962 Series AA - 290 | AA - 2901 | 100 L x 15 H x 5 T mm | 1320 | Each |
| | | AA - 2902 | 160 L x 20 H x 8 T mm | 3330 | Each |
| | | AA - 2903 | 300 L x 35 H x 12 T mm | 5990 | Each |
| | | AA - 2904 | 500 L x 50 H x 15 T mm | 8650 | Each |
| | | AA - 2905 | 800 L x 80 H x 20 T mm | 11310 | Each |
| | | AA - 2906 | 1000 L x 100 H x 20 T mm | 15310 | Each |
| | |  | | | |

ULTRA MAKE

STEEL STRAIGHT EDGE – ULTRA BRAND

Series UL- 602



- Used for checking flatness & straightness of surfaces.
- Made from high quality tool steel.
- Hardness 60 ± 2 Rc.
- Plastic head insulator.
- Packed in individual wooden box.

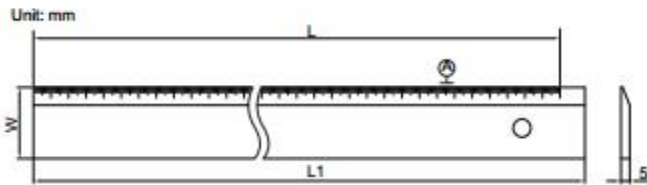
| Sr.No. | Cat No | Size (mm) | Accuracy Micron |
|--------|----------|-----------------------------|-----------------|
| 1. | UL-60201 | 100 L X 15 H X 5 T [4"] | 6 |
| 2. | UL-60202 | 160 L X 20 H X 8 T [6"] | 6 |
| 3. | UL-60203 | 300 L X 35 H X 12 T [12"] | 7 |
| 4. | UL-60204 | 500 L X 50 H X 15 T [20"] | 7 |
| 5. | UL-60205 | 800 L X 80 H X 20 T [32"] | 10 |
| 6. | UL-60206 | 1000 L X 100 H X 20 T [40"] | 12 |
| 7. | UL-60207 | 1500 L X 100 H X 20 T [60"] | 18 |

INSIZE MAKE

STRAIGHT EDGE

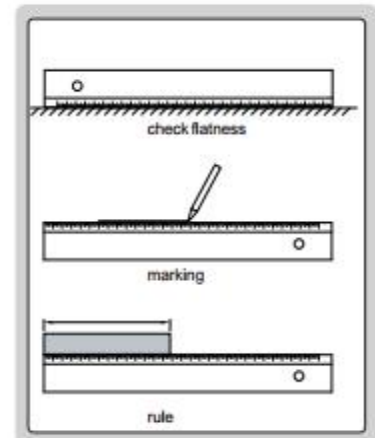


7111-300A



- Check flatness and straightness, as well as for marking
- Graduation on the beveled edge
- Made of hardened tool steel
- Chrome plated

| Code | Range(L) | Straightness of A | L1 | W |
|------------|----------|-------------------|--------|------|
| 7111-300A | 300mm | 0.02mm | 320mm | 40mm |
| 7111-500A | 500mm | 0.03mm | 520mm | 40mm |
| 7111-1000A | 1000mm | 0.04mm | 1020mm | 50mm |



SMARAT MAKE

20 Straight Edges

| Size | Price Each No.308 | Price Each No.309 |
|------|-------------------------|-------------------------|
| 6 | 290.00 | |
| 10 | 435.00 | |
| 12 | 525.00 | |
| 18 | 705.00 | |
| 24 | 2000.00 | |
| 30 | | |
| 36 | | |