



ANGLE RING

The Steel Bending Specialist
since 1951



Any Shape

We produce not only simple single radius segments, but also

- Multiple radius segments
- Ellipses
- Parabolas
- Reverse bends
- Bending to ordinates

Plates, profiles and tubes bent to 3 dimensional forms.



Application

Exciting innovations at Angle Ring now allow us to offer accurate 3 dimensional bending to suit

- Spiral or helical staircases
- Complex architectural buildings
- Modern sculptures

Our skilled workforce exercise proper care and control to meet varied demands for a wide range of industries.

Hot Bending

- *Tubes up to 915 mm diameter*
- *The entire range of rectangular, square and "Jumbo" hollow sections can be curved*
 - Small and large radii
 - Low deformation
 - High degree of accuracy





Cold Bending

- Fast
- Economical
- Flexible

Our cold bending process allows us to produce smooth, accurate bent segments to close tolerances.

We can cold bend

- Round tubes up to $\text{\O} 508$ mm,
- Square Hollow Sections up to 400×400 mm
- Rectangular Hollow Sections up to 500×300 mm
- The full range of British and European oval tubes



Plate

- Heavy plate forming
- Edge preparation
- Welding of bent materials



Flexibility

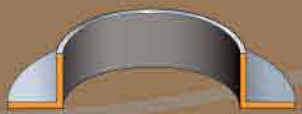










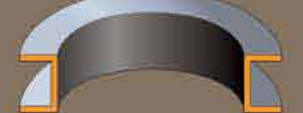

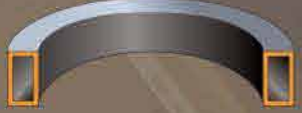

Because we have both cold and hot bending facilities, we always offer the most economic process in keeping with the quality requirements of the given application

- Quality Assurance: High quality of workmanship
- Large or small: great care and control for each order
- Material and transport included in our prices. Worldwide: in your own currency



Capacity Chart

We bend:

<p>ANGLES (Flanges Out)</p> <p>TYPE N° 1</p>  <p>FROM: 16 x 16 x 3 mm TO: 250 x 250 x 28 mm</p>	<p>BEAMS (Minor Axis)</p> <p>TYPE N° 7</p>  <p>FROM: IPE 80 / HE 100 AA TO: IPE 750 / HL 1100 R</p>	<p>FLATS (Major Axis)</p> <p>TYPE N° 14</p>  <p>FROM: 12 x 3 mm TO: 350 x 230 mm</p>	<p>TUBES AND SOLID BARS</p> <p>TYPE N° 18</p>  <p>FROM: 6 x 1 mm TO: 915 x 50 mm</p>
<p>ANGLES (Flanges In)</p> <p>TYPE N° 2</p>  <p>FROM: 16 x 16 x 3 mm TO: 250 x 250 x 28 mm</p>	<p>BEAMS (Major Axis)</p> <p>TYPE N° 8</p>  <p>FROM: IPE 80 / HE 100 AA TO: IPE 750 / HL 1100 R</p>	<p>FLATS (Minor Axis)</p> <p>TYPE N° 15</p>  <p>FROM: 12 x 3 mm TO: 750 x 200 mm</p>	<p>RAILS (Minor Axis)</p> <p>TYPE N° 19a</p>  <p>FROM: 9.88 Kg/m TO: 166 Kg/m</p>
<p>ANGLES (V Pulley)</p> <p>TYPE N° 3a</p>  <p>FROM: 16 x 16 x 3 mm TO: 200 x 200 x 28 mm</p>	<p>COLUMNS (Minor Axis)</p> <p>TYPE N° 9</p>  <p>FROM: HE 100 AA TO: HD 400 x 400 x 990 Kg/m</p>	<p>SQUARE SOLID BAR</p> <p>TYPE N° 16</p>  <p>FROM: 6 x 6 mm TO: 300 x 300 mm</p>	<p>RAILS (Head Out)</p> <p>TYPE N° 19b</p>  <p>FROM: 9.88 Kg/m TO: 166 Kg/m</p>
<p>ANGLES (Inverted V Pulley)</p> <p>TYPE N° 3b</p>  <p>FROM: 16 x 16 x 3 mm TO: 200 x 200 x 28 mm</p>	<p>COLUMNS (Major Axis)</p> <p>TYPE N° 10</p>  <p>FROM: HE 100 AA TO: HD 400 x 400 x 347 Kg/m</p>	<p>SQUARE HOLLOW</p> <p>TYPE N° 17a</p>  <p>FROM: 20 x 20 x 2 mm TO: 650 x 650 x 40 mm</p>	<p>RAILS (Head In)</p> <p>TYPE N° 19c</p>  <p>FROM: 9.88 Kg/m TO: 166 Kg/m</p>
<p>T-PROFILES (Major Axis)</p> <p>TYPE N° 4</p>  <p>FROM: 1/2 IPE 80 TO: 1/2 HL 1100 R</p>	<p>CHANNELS (Flanges In)</p> <p>TYPE N° 11</p>  <p>FROM: UPN 30 x 15 TO: UPN 400</p>	<p>SQUARE HOLLOW (As a Diamond)</p> <p>TYPE N° 17b</p>  <p>FROM: 20 x 20 x 2 mm TO: 650 x 650 x 40 mm</p>	<p>OVAL TUBES (Major Axis)</p> <p>TYPE N° 22a</p>  <p>FROM: 120 x 60 mm TO: 500 x 250 mm</p>
<p>T-PROFILES (Stalk Out)</p> <p>TYPE N° 5</p>  <p>FROM: 1/2 IPE 80 TO: 1/2 HL 1100 R</p>	<p>CHANNELS (Flanges Out)</p> <p>TYPE N° 12</p>  <p>FROM: UPN 30 x 15 TO: UPN 400</p>	<p>RECTANGULAR HOLLOW (Major Axis)</p> <p>TYPE N° 17c</p>  <p>FROM: 50 x 30 x 3.6 mm TO: 500 x 300 x 20 mm</p>	<p>OVAL TUBES (Minor Axis)</p> <p>TYPE N° 22b</p>  <p>FROM: 120 x 60 mm TO: 500 x 250 mm</p>
<p>T-PROFILES (Stalk In)</p> <p>TYPE N° 6</p>  <p>FROM: 1/2 IPE 80 TO: 1/2 HL 1100 R</p>	<p>CHANNELS (Major Axis)</p> <p>TYPE N° 13</p>  <p>FROM: UPN 30 x 15 TO: UPN 400</p>	<p>RECTANGULAR HOLLOW (Minor Axis)</p> <p>TYPE N° 17d</p>  <p>FROM: 50 x 30 x 3.6 mm TO: 500 x 300 x 20 mm</p>	

Your imagination is our reality

Bending, material and transport are included in our prices



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