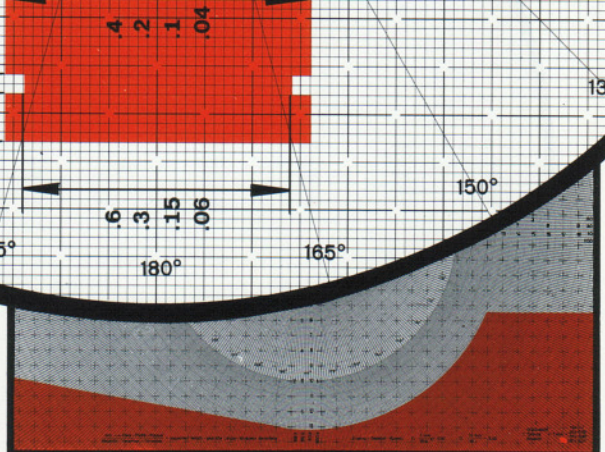
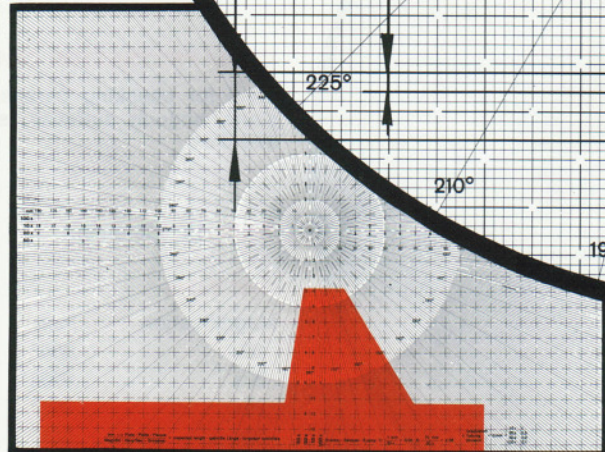
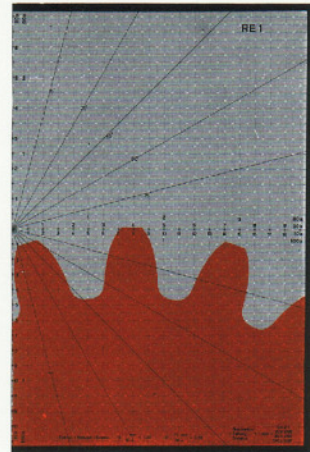
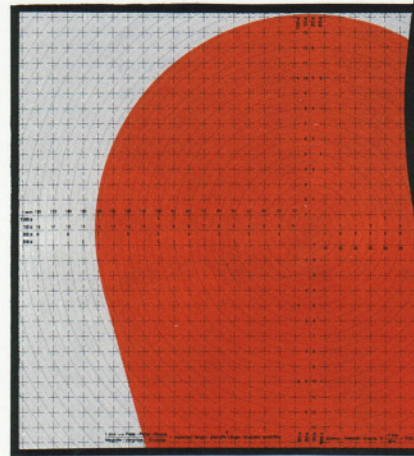
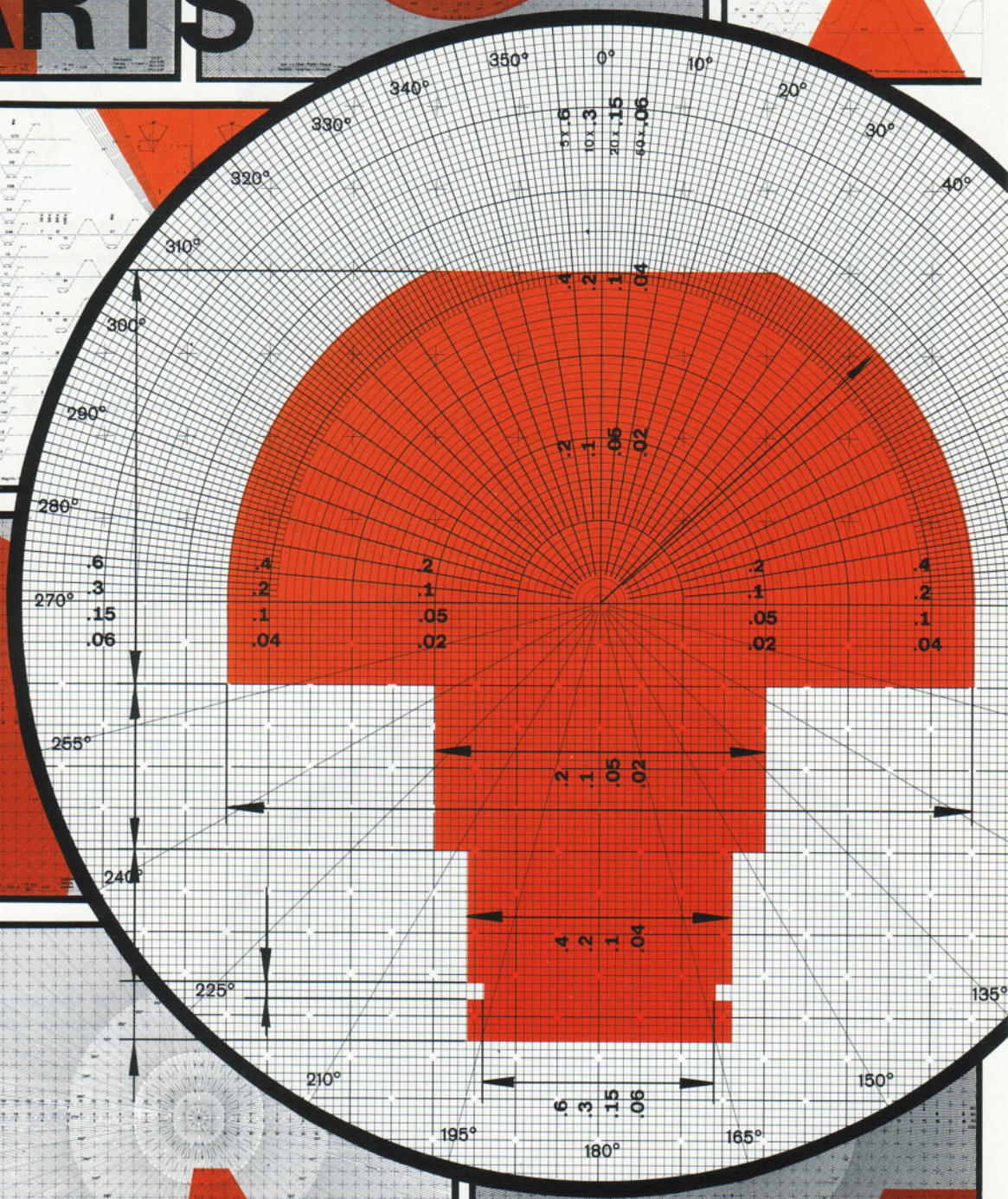
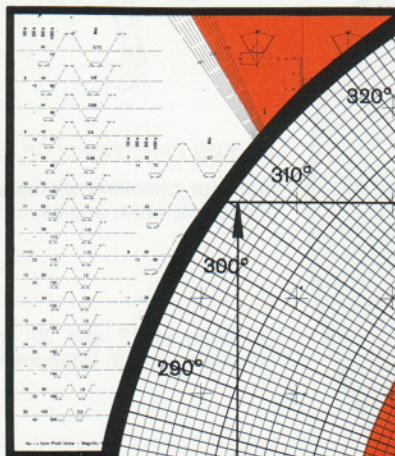
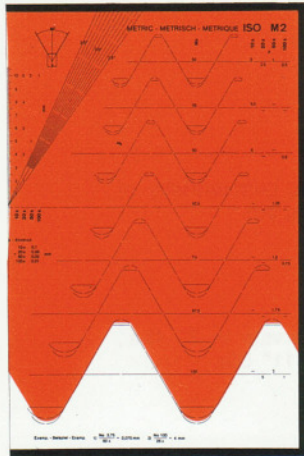


# OPTICAL COMPARATOR CHARTS



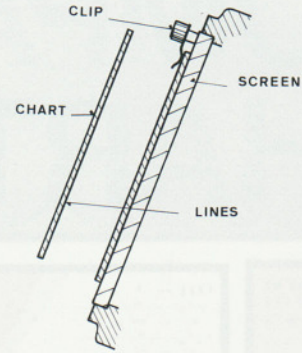
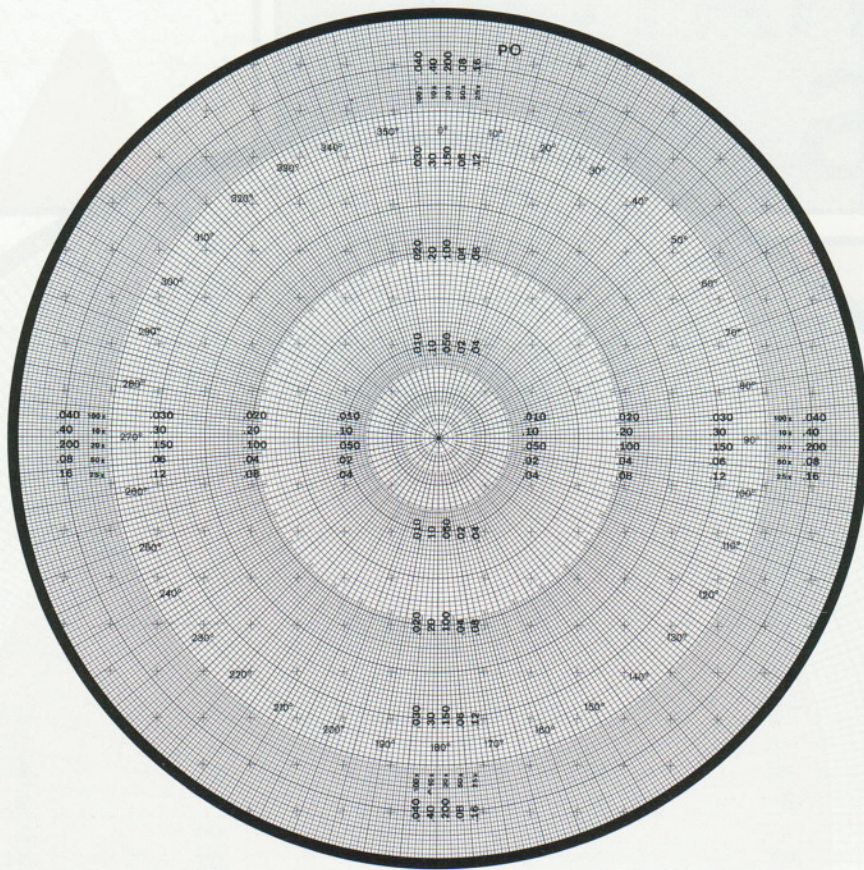
**gravo-optic** G.m.b.H.

FL-9490 VADUZ, Liechtenstein

und  
CH-9470 BUCHS, Schweiz

Represented by:

All of our Optical Comparator Charts are especially designed for speedy and exact comparison or absolute measurements of workpieces magnified on the screen. The measurements of length, height, parallelism, angle, radii, taper, hole location, diameter and basic profile of screw threads are quickly and easily readable to high accuracy. All Charts are available in the Inch or Metric system.



**RADIUS / PROTRACTOR CHART PO**

Ideal for checking diameters, concentricity of diameters, radii, angles, cams, etc.

**Angle:**

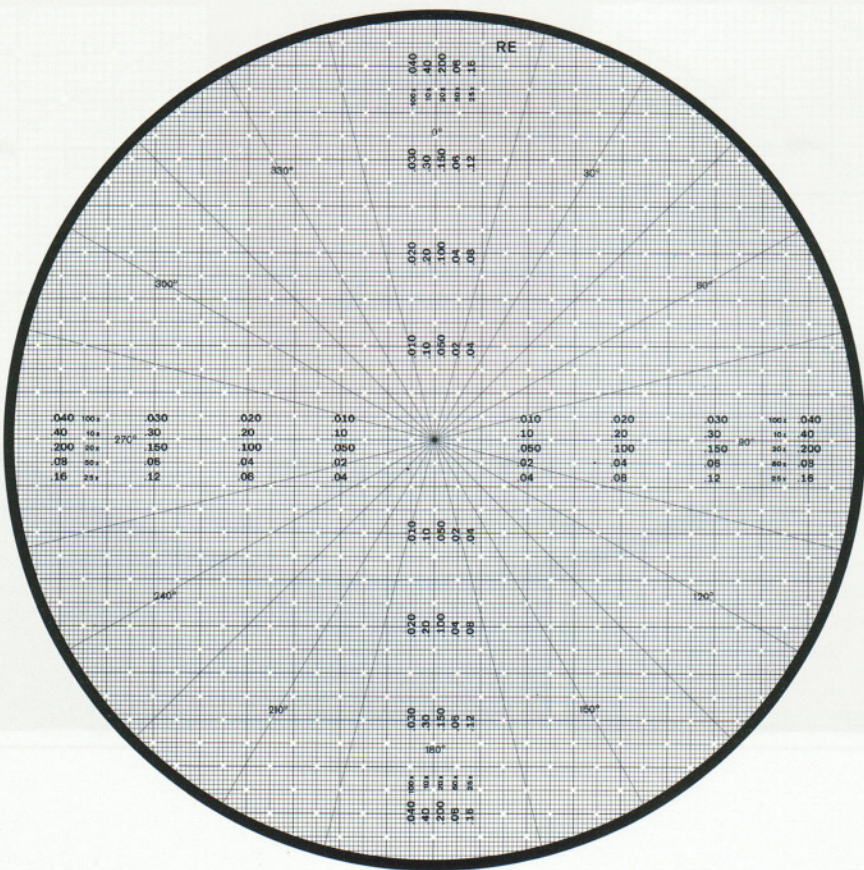
Divisions at 1° and 30' intervals in 7" Dia., increasing to 15' intervals in 11" Dia.

**Grid Value**

Magnification	Inch	Metric
10x	.005"	0,1 mm
20x	.0025"	0,05 mm
25x	.002"	0,04 mm
50x	.001"	0,02 mm
100x	.0005"	0,01 mm

**Sizes:**

10" 12" 14" 24" 30" Dia.



**GRID / PROTRACTOR CHART RE**

Ideal for checking parallelism, linear dimensions, angular surfaces, stampings, punches and dies.

**Angle:** 15° increment

**Grid Value**

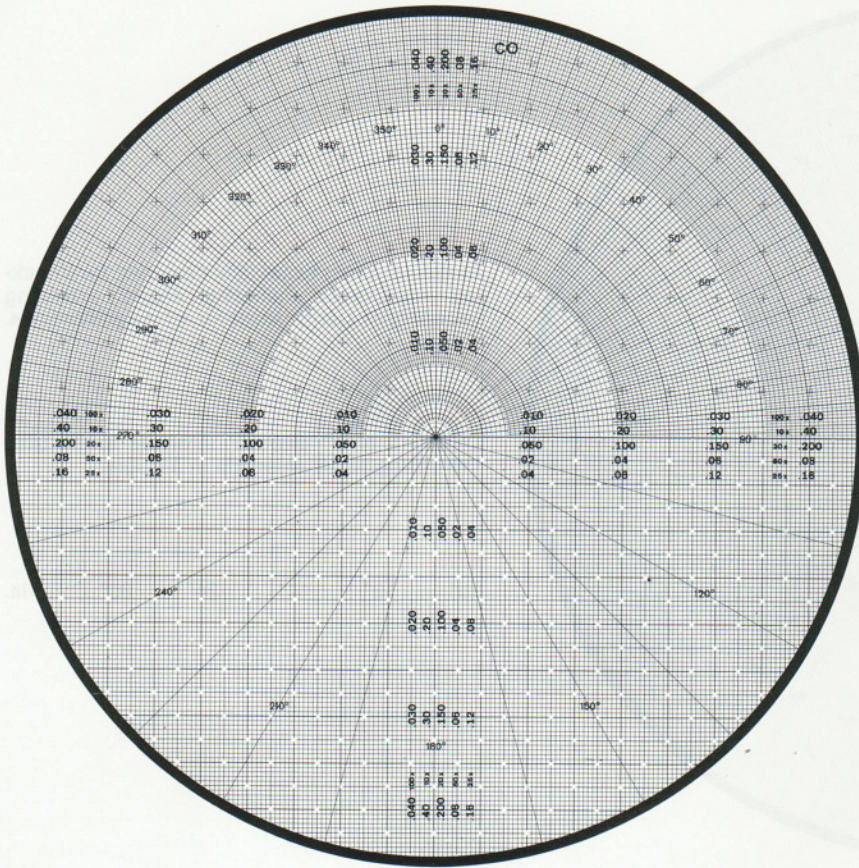
Magnification	Inch	Metric
10x	.005"	0,1 mm
20x	.0025"	0,05 mm
25x	.002"	0,04 mm
50x	.001"	0,02 mm
100x	.0005"	0,01 mm

**Sizes:**

10" 12" 14" 24" 30" Dia.

The width of all chart lines varies between .001" up to .003" according to the type of chart with the exception of Screw Thread Charts.

Charts are supplied in all popular screen sizes up to 30" diameter (750 mm) or 30" x 40" (750 x 1000 mm) sizes. Each chart covers a magnification of 10x, 20x, 25x, 50x and 100x. All of them are provided with an additional grid of 1/2" graduation, which offers a great technical advantage.



### COMBINATION CHART CO

All purpose chart for checking diameters, angles, radii, linear measurements and other critical features.

#### Angle:

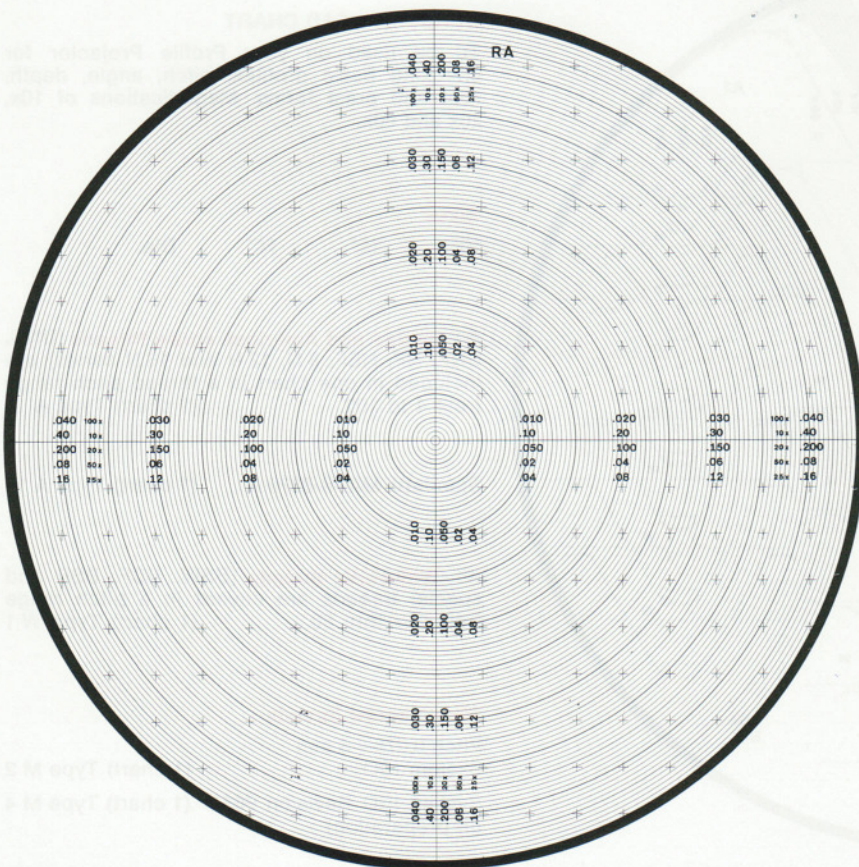
Divisions at 1° and 30' intervals in 7" Dia., increasing to 15' intervals in 11" Dia.

#### Grid Value

Magnification	Inch	Metric
10x	.005"	0,1 mm
20x	.0025"	0,05 mm
25x	.002"	0,04 mm
50x	.001"	0,02 mm
100x	.0005"	0,01 mm

#### Sizes:

10" 12" 14" 24" 30" Dia.



### RADIUS CHART RA

Particular chart especially designed for checking diameters, concentricity, etc. providing exceptional clarity.

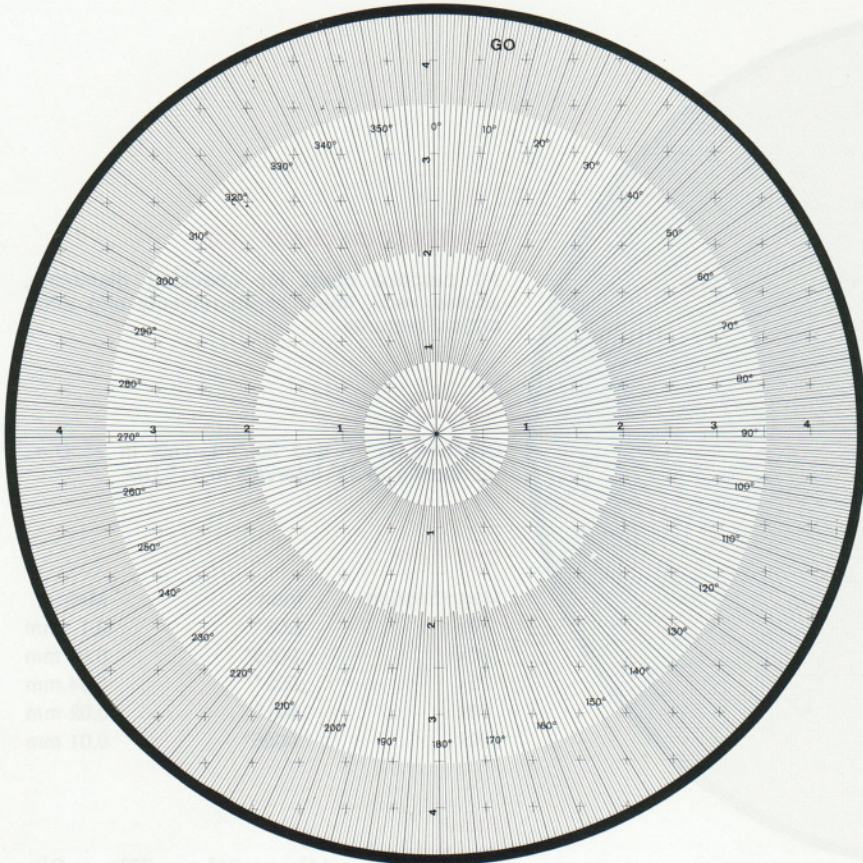
#### Grid Value

Magnification	Inch	Metric
10x	.005"	0,1 mm
20x	.0025"	0,05 mm
25x	.002"	0,04 mm
50x	.001"	0,02 mm
100x	.0005"	0,01 mm

#### Sizes:

10" 12" 14" 24" 30" Dia.

A laminated coating covers the whole chart body, thus assuring durability and accuracy of each line. Unlike glass charts, they are virtually indestructible. Frosted overlay charts as well as glass charts are available and quoted on request. Our standard overlay charts are clear transparent and are furnished in a thickness of .025".



**PROTRACTOR CHART GO**

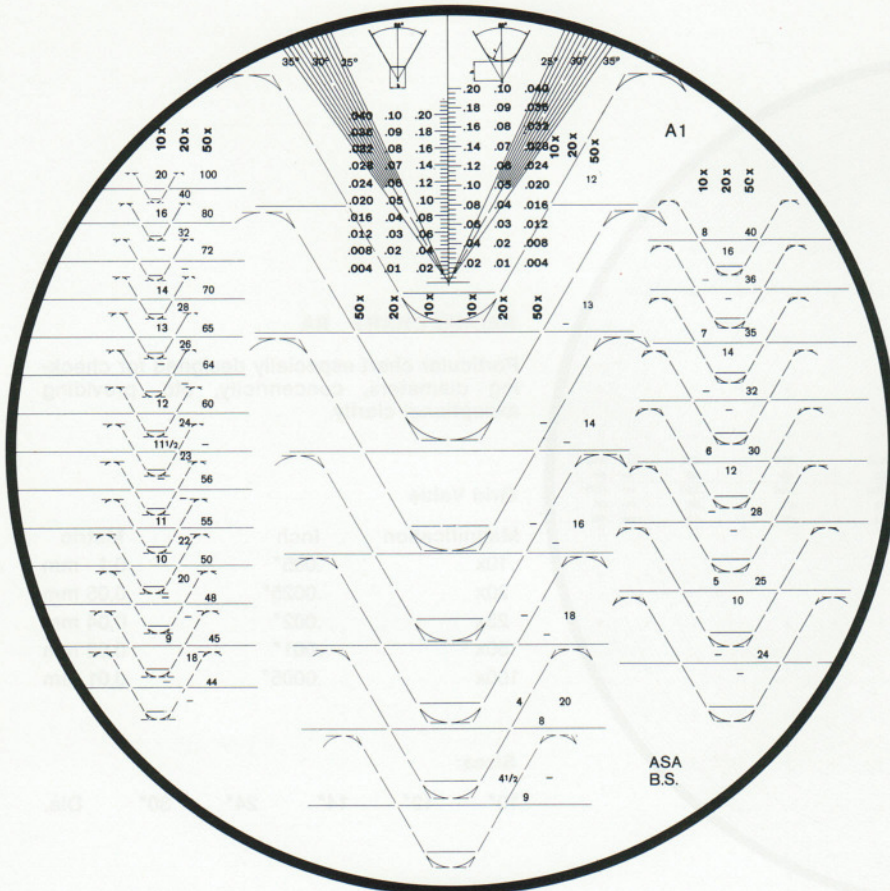
Particular chart especially designed for checking workpieces including angles providing exceptional clarity. Ideal for all magnifications.

**Angle:**

Divisions at 1° and 30' intervals in 7" Dia., increasing to 15' intervals in 11" Dia.

**Sizes:**

10" 12" 14" 24" 30" Dia.



**SCREW THREAD CHART**

To be used on your Profile Projector for checking basic profiles, pitch, angle, depth, root and crest forms. Magnifications of 10x, 20x and 50x.

**Sizes**

10" 12" 14" Dia.

All **Unified and American screw threads** (UNC, UNF, NF, NEF, 8 N, 12 N and 16 N series) are included in one chart in a thread pitch range from 4 to 100. (1 chart) Type A 1

Standard MIL-S-8879 A (1 chart) Type A 11

All **Whitworth threads** (BSW, BSF, BSP and special threads) are covered in a pitch range from 2½ thru 60. (1 chart) Type W 1

**Metric screw threads**

Pitch 0,075—6 mm  
System ISO (1 chart) Type M 2  
System ISO Revision 965/I (1 chart) Type M 4 (in preparation)