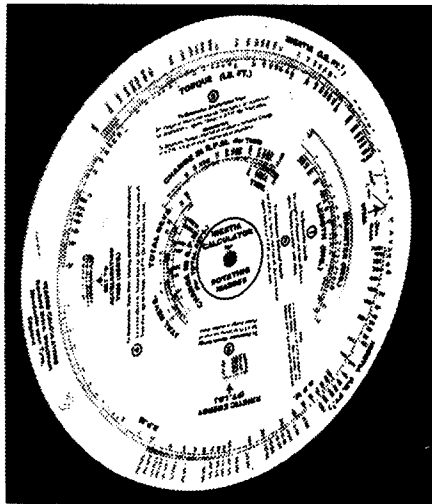


GENERAL DESIGN & TECHNICAL CALCULATORS

INERTIA CALCULATOR for ROTATING MASSES

Model F.10

A precision, easy to use instrument which, in a fraction of the time previously required, completes engineering calculations relating to inertia and acceleration of rotating masses including: Inertia and Referred Inertia, Kinetic Energy, Acceleration Torques, Acceleration Times, Total Revolutions During Acceleration,



for complete rotary systems of all kinds in steel, cast iron, aluminum, brass, and bronze.

Calculations completed with ease by a simple setting of dials. Almost the equivalent of an electronic computer, without the cost and programming complications. An indispensable tool in any modern engineering and design department.

7-1/2" Diameter

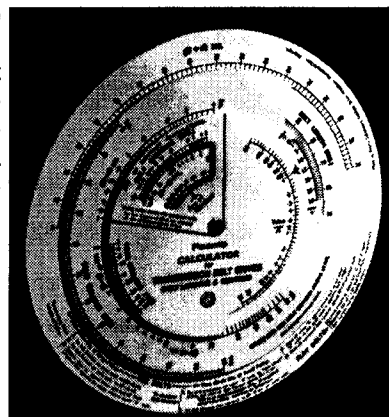
TRANSMISSION BELT CALCULATOR

Model F.14

A time saving, easy to use calculator for use when designing and Vee or Flat Belt Drive. Completely eliminates laborious mathematical calculations and, by a simple setting of dials, calculates:

- Belt Lengths
- Belt Centers
- Arc-of-contact of belt on pulley

Covers any pulley size from 2 in. Dia. to 90 in. Dia., and belt centers from 5 in. to



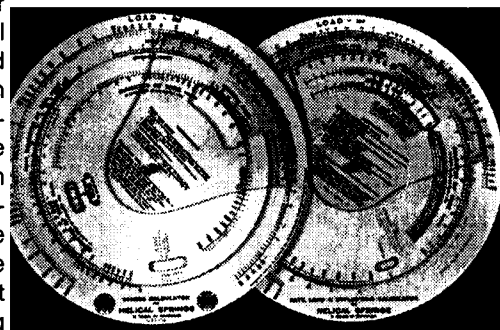
150 in. Ideal for use in conjunction with belt manufacturers catalogs and equally suitable for English or Metric dimensions. A tremendous design time saver.

5-5/8" Diameter

HELICAL SPRING CALCULATOR

Model M.4

This calculator designs helical compression and extension springs. It is double sided, one side dealing with the stress calculation and the other with Rate and Extension. It enables spring



sizes to be determined very rapidly as the Rate and Stress for a particular spring can be read off in a few seconds by setting the dials to the appropriate values.

A scale is provided for the Spring index and where neither wire diameter nor coil diameter are specified initially, design can proceed rapidly on the basis of an appropriate index figure.

The stress correction factor for curvature of the wire is automatically indicated and taken into account during the calculations.

Scale factors are wide enough to cover practically every commercially used spring.

Wire Diameter: .006" to 1.2"

Number of Coils: 1 to 300

Coil Diameter: .03" to 12"

Stress: 4,000 to 300,000 p.s.i.

Load: .05 to 40,000 lbs.

Deflection: .01" to 15"

The calculator will also handle springs made from rectangular or square wire as well as the normal round wire springs, additional scales being provided for this purpose.

Metric Model also available.

7-5/8" Diameter

Hunter Products Inc.

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