

NEWALL

DP500 Mill & Lathe DRO Packages

Newall's DP500 Digital Readout Systems set the standard for reliability, value and ease of use for turret mills and tool room lathes. The DP500 DRO system includes Newall's Spherosyn LT or Microsyn LT encoders that are designed to provide accurate readings even under the toughest shop conditions.

FEATURES INCLUDE:

- Bolt Hole Circle Routine
- Tool Offsets
- Absolute/Incremental Readings
- Inch/Metric Instant Conversion
- Radius/Diameter Readings
- Switchable Resolutions
- Datum Preset/Zero Reset
- Reference Point (Digifind)
- Center Find



THE NEWALL ADVANTAGE

- Backed by a company with over 30 years of proven reliability in manufacturing DRO systems
- Encoders carry an IP67 rating – All electronic and measuring components are sealed from the environment.
- Continually provides accurate readings even under the harshest shop conditions
- No cleaning or maintenance required
- Tolerant to shock and vibration
- No glass to break or scratch



Manufactured & Designed in the
UNITED KINGDOM


Sensata
Technologies

ALL DP500 PACKAGES INCLUDE EVERYTHING REQUIRED FOR A COMPLETE INSTALLATION:

- DP500 DRO (2 or 3 axis)
- Spherosyn LT and/or Microsyn LT Encoder Assemblies with 3.5M armored cable
- Scale Bracket Kit and Hardware
- Reader Head Mounting Brackets and Hardware*
- Display Mounting Arm and Hardware*



*All packages are available with or without mounting brackets for the reader head and mounting arm.

Contact your local authorized Newall distributor for more information on the DP500 Mill and Lathe DRO packages or go to www.newall.com

| DP500 Lathe Packages | |
|---|-------------|
| Travel Lengths | |
| Inches | Millimeters |
| 6 x 40 | 152 x 1016 |
| 8 x 40 | 203 x 1016 |
| 10 x 40 | 254 x 1016 |
| 6 x 60 | 152 x 1524 |
| 8 x 60 | 203 x 1524 |
| 10 x 60 | 254 x 1524 |
| 12 x 60 | 305 x 1524 |
| 14 x 60 | 356 x 1524 |
| 6 x 72 | 152 x 1829 |
| 8 x 72 | 203 x 1829 |
| 10 x 72 | 254 x 1829 |
| 12 x 72 | 305 x 1829 |
| 14 x 72 | 356 x 1829 |
| 6 x 80 | 152 x 2032 |
| 8 x 80 | 203 x 2032 |
| 10 x 80 | 254 x 2032 |
| 12 x 80 | 305 x 2032 |
| 14 x 80 | 356 x 2032 |
| Longitudinal travel includes Spherosyn LT encoder. | |
| Cross travel axis can be either Microsyn LT or Spherosyn LT encoder (please specify). | |

| DP500 Mill Packages | | |
|--|-----------------|----------------|
| Travel Length | | Axes |
| Inches | Millimeters | |
| 12 x 30 | 305 x 762 | 2 Axes |
| 12 x 30 x 6 | 305 x 762 x 152 | 3 Axes w/Quill |
| 12 x 30 x 16 | 305 x 762 x 406 | 3 Axes w/Knee |
| 12 x 36 | 305 x 914 | 2 Axes |
| 12 x 36 x 6 | 305 x 914 x 152 | 3 Axes w/Quill |
| 12 x 36 x 16 | 305 x 914 x 406 | 3 Axes w/Knee |
| 14 x 36 | 356 x 914 | 2 Axes |
| 14 x 36 x 6 | 356 x 914 x 152 | 3 Axes w/Quill |
| 14 x 36 x 16 | 356 x 914 x 406 | 3 Axes w/Knee |
| 16 x 36 | 406 x 914 | 2 Axes |
| 16 x 36 x 6 | 406 x 914 x 152 | 3 Axes w/Quill |
| 16 x 36 x 16 | 406 x 914 x 406 | 3 Axes w/Knee |
| All two axis mill packages include Spherosyn LT encoders. | | |
| Three axis packages for quill axis include Microsyn LT encoder. Knee axis includes Spherosyn LT. | | |

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