

Price List

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INTRODUCTION

LeBlond LTD is proud to partner with Newall. Founded in 1969, Newall has established itself as one of the world's premier manufacturers of digital readout systems and linear encoder products. Newall differentiates itself by way of product innovation that is backed by unparalleled customer service and product support. Newall is dedicated to contributing to the success of its customers through its products, its technologies and its people.

As an ISO9001 accredited manufacturer, Newall takes great pride in its flexible manufacturing concept that is driven by employees who are committed to delivering what you need, when you need it.

IMPORTANT POINTS TO REMEMBER WHEN QUOTING OR ORDERING

- Always verify travel sizes. Measure twice, order once.
 - Order encoders by travel length, **not** overall length.
 - **Spherosyn / DSG: Travel + 10.2" = overall length.**
 - **Microsyn / DMG: Travel + 7.4" = overall length.**
 - Encoders include the reader head with 11.5' cable, scale, scale cover and brackets to mount the scale.
 - Bracket kits to mount the reader head(s) are sold separately (see page 8) unless included in a package.
 - Scales that are single-end mounted will provide two inches of additional travel.
 - Display mounting arms are sold separately (see page 8) unless included in a package.
 - Spherosyn 2G and Microsyn 2G reader heads have a 11.5' cable. Longer cable lengths are available. Extension cables may be required for applications of 100" of travel or more.
- TIP:** Be sure to order extension cables on the longer travels, even if you are not sure they will be needed. Extension cables can be returned for full credit.
- Extension cables are normally not needed if a Lathe Carriage Mount is ordered.
 - If the travel required is not shown, contact us for pricing and part number.

NOTE: Additional information for quoting and ordering is available on-line at <http://www.newall.com>

CONTACTING NEWALL

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3976 Bach Buxton Road
Amelia, OH 45140

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Email: sales@leblondusa.com

Phone: +1 513. 943.0099
Toll Free: +1 888.532.5663
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DP700 DRO Display

Description	Part No.	List Price
DP700 DRO Display - 1 Axis	DP7001100S12	803.00
DP700 DRO Display - 2 Axes	DP7002110S12	978.00
DP700 DRO Display - 3 Axes	DP7003111S12	1098.00

Panel Mount version of DP700 available at no additional charge. Call for Part Number

DP700

Features:

- Feed Rate Display
- Zero Approach Warning
- Bolt Hole Circle¹
- Arc Contouring¹
- Programmable Memory
- Polar Coordinates¹
- Line Hole Calculator¹
- Tool Offsets¹
- Taper Calculations¹
- Axis Vectoring/Summing (3 axis only)
- RS-232 Output
- Spherosyn 2G and Microsyn 2G Compatible

NOTE: ¹ Feature is not available with 1 Axis configuration



DP1200 DRO Display

Description	Part No.	List Price
DP1200 DRO Display - 2 Axes	DP120021100S10	1247.00
DP1200 DRO Display - 3 Axes	DP120031110S10	1392.00
DP1200 DRO Display - 3 Axes - 2 Ax Newall Analog +1 Ax Dig.	DP120031110DS10	1429.00
DP1200 DRO Display - 4 Axes	DP120041111S10	1542.00
DP1200 DRO Display - 4 Axes - 3 Ax Newall Analog +1 Ax Dig.	DP120041111DS10	1574.00

Panel Mount version of DP1200 available at no additional charge. Call for Part Number

DP1200

Features:

- 3.5" Color TFT
- Auto-Zoom
- Feed Rate Display
- Tool Path Graphics in Real Time
- Probe Input
- Programmable Memory with Graphical Presentation
- Touch Probe Input
- RS-232 Output
- Teach Mode with Graphics
- Bolt Hole Circle Routine
- Line Array
- Arc Function
- Skew
- Linear and Segmented Error Comp.
- Datum Find
- Spherosyn 2G and Microsyn 2G Compatible

Optional Digital Sending Unit (DSU)

Description	Part No.	List Price
DP1200 DSU 4 Axes	DP1200DSUA10	528.00
DP1200 DSU 3 Axes + 1 Digital	DP1200DSUD10	528.00

DSU-to-DP1200 Interconnect Cable (required if DSU is ordered)

Description	Part No.	List Price
11.5' DSU-to-DP1200 Interconnect Cable	307-86311	192.00
22' DSU-to-DP1200 Interconnect Cable	307-86312	259.00
32' DSU-to-DP1200 Interconnect Cable	307-86313	321.00
50' DSU-to-DP1200 Interconnect Cable	307-86314	352.00
131' DSU-to-DP1200 Interconnect Cable	307-86315	384.00

DP700 Milling Machine Packages

Includes:

- DP700 DRO Display
- Encoder Assemblies
 - Spherosyn® 2G Reader Heads
 - Spherosyn® 2G Scales
 - Scale Support Brackets
- Mounting Bracket Kit
- Display Mounting Arm

DP700 Milling Machine Packages

2 and 3 Axes Packages for Knee Mills

Axis Travels	Package Type	Package No.	Package Price
12" x 24"	2 Axes	DP70021100/1	1715.00
12" x 24" x 6"	3 Axes w/Quill	DP7003111S/1Q06	2336.00
12" x 24" x 16"	3 Axes w/Knee	DP7003111S/1K16	2336.00
12" x 30"	2 Axes	DP70021100/2	1715.00
12" x 30" x 6"	3 Axes w/Quill	DP7003111S/2Q06	2336.00
12" x 30" x 16"	3 Axes w/Knee	DP7003111S/2K16	2336.00
12" x 36"	2 Axes	DP70021100/3	1715.00
12" x 36" x 6"	3 Axes w/Quill	DP7003111S/3Q06	2336.00
12" x 36" x 16"	3 Axes w/Knee	DP7003111S/3K16	2336.00
16" x 30"	2 Axes	DP70021100/4	1715.00
16" x 30" x 6"	3 Axes w/Quill	DP7003111S/4Q06	2336.00
16" x 30" x 16"	3 Axis w/Knee	DP7003111S/4K16	2336.00
16" x 36"	2 Axes	DP70021100/5	1715.00
16" x 36" x 6"	3 Axes w/Quill	DP7003111S/5Q06	2336.00
16" x 36" x 16"	3 Axes w/Knee	DP7003111S/5K16	2336.00
16" x 40"	2 Axes	DP70021100/6	1715.00
16" x 40" x 6"	3 Axes w/Quill	DP7003111S/6Q06	2336.00
16" x 40" x 16"	3 Axes w/Knee	DP7003111S/6K16	2336.00

DP700 3 axes Milling Packages with quill encoder are provided with a 2" Microsyn® 2G 10 micron accuracy encoder. Once mounted, the encoder will provide 6" of travel.

Note: 18" or 20" Spherosyn may be substituted for 16" Spherosyn on the knee at no additional charge.

DP700 Lathe Packages

Axis Travels	Package No.	Package Price
6" x 40"	DP706M10040SH11	2279.00
8" x 40"	DP708M10040SH11	2279.00
10" x 40"	DP710M10040SH11	2279.00
6" x 50"	DP706M10050SH11	2451.00
8" x 50"	DP708M10050SH11	2451.00
10" x 50"	DP710M10050SH11	2451.00
6" x 60"	DP706M10060SH11	2702.00
8" x 60"	DP708M10060SH11	2702.00
10" x 60"	DP710M10060SH11	2702.00
12" x 60"	DP712S00060SH11	2702.00
14" x 60"	DP714S00060SH11	2702.00
8" x 72"	DP708M10072SH11	3053.00
10" x 72"	DP710M10072SH11	3053.00
12" x 72"	DP712S00072SH11	3053.00
14" x 72"	DP714S00072SH11	3053.00
8" x 80"	DP708M10080SH11	3287.00
10" x 80"	DP710M10080SH11	3287.00
12" x 80"	DP712S00080SH11	3287.00
14" x 80"	DP714S00080SH11	3287.00
10" x 100"	DP710M10100SH22	3920.00
12" x 100"	DP712S00100SH22	3920.00
14" x 100"	DP714S00100SH22	3920.00
12" x 120"	DP712S00120SH22	4495.00
14" x 120"	DP714S00120SH22	4495.00
16" x 120"	DP716S00120SH22	4495.00
20" x 120"	DP720S00120SH22	4495.00
12" x 160"	DP712S00160SC11	5494.00
14" x 160"	DP714S00160SC11	5494.00
16" x 160"	DP716S00160SC11	5494.00
18" x 160"	DP718S00160SC11	5494.00
20" x 160"	DP720S00160SC11	5494.00
22" x 160"	DP722S00160SC11	5494.00
12" x 200"	DP712S00200SC11	6889.00
14" x 200"	DP714S00200SC11	6889.00
16" x 200"	DP716S00200SC11	6889.00
18" x 200"	DP718S00200SC11	6889.00
20" x 200"	DP720S00200SC11	6889.00
22" x 200"	DP722S00200SC11	6889.00
14" x 240"	DP714S00240SC11	7345.00
16" x 240"	DP716S00240SC11	7345.00
18" x 240"	DP718S00240SC11	7345.00
20" x 240"	DP720S00240SC11	7345.00
22" x 240"	DP722S00240SC11	7345.00

DP700 Grinder Packages

DRO Packages for Surface Grinder Applications

Axis Travels	Package No.	Package Price
6" x 12"	DP7002G0612	2362.00
6" x 18"	DP7002G0618	2430.00
8" x 16"	DP7002G0816	2414.00
8" x 20"	DP7002G0820	2483.00
10" x 24"	DP7002G1024	2527.00
12" x 16"	DP7002G1216	2451.00
12" x 20"	DP7002G1220	2514.00
12" x 24"	DP7002G1224	2540.00

DP700 Lathe Packages

Includes:

- DP700 DRO Display - 2 Axis
- Encoder Assemblies
 - Microsyn[®] 2G 10µm on Cross Slides with 10" of travel and under
 - Spherosyn[®] 2G on Cross Slides with 12" of travel and over
 - Spherosyn[®] 2G on Carriage Travels
- Lathe Bracket Kit
- Headstock Display Mount or Carriage Mount

Standard cable length is 11.5'. Extended cable lengths are available in lengths of 22' and 32'. Contact factory.

Lathe Packages with scale travels of 100" or 120" include 22' cable at no charge.

Lathe Packages with scale travels of 160", 200" and 240" include the Carriage Display Mount. Extension cables must be ordered separately if required.

Cross Slide encoder is available in Microsyn[®] 2G 10µm or Spherosyn[®] 2G configuration at no extra charge.

Cross Slide encoder can be substituted with Microsyn[®] 2G 5µm encoder. Add \$61.00 to the package price.

DP700 Grinder Packages

Includes:

- DP700 DRO Display - 2 Axes
- Microsyn[®] 2G 5µm Encoder Assemblies
- Mounting Bracket Kit
- Display Mounting Arm

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DP1200 Lathe Packages

Includes:

- DP1200 DRO Display - 2 Axis
- Encoder Assemblies
 - Spherosyn® 2G encoders (2)
- Lathe Bracket Kit
- Headstock Display Mount with Pivot (Carriage Mount available at no extra charge.)

Lathe Packages with scale lengths of 160", 200" and 240" include the Carriage Display Mount. Extension cables must be ordered separately if required.

Cross Slide encoder is available in Microsyn® 2G 10µm configuration at no extra charge.

Cross Slide Transducer can be substituted with Microsyn® 2G 5µm encoder. Add \$62.00 to the package price.

Reader Heads with extended cable lengths are available. Please call for details.

DP1200 Lathe Packages

Axis Travels	Package No.	Package Price
12" x 120"	DP1212500120SH22	4788.00
14" x 120"	DP1214500120SH22	4788.00
16" x 120"	DP1216500120SH22	4788.00
20" x 120"	DP1220500120SH22	4788.00
12" x 160"	DP1212500160SC11	5865.00
14" x 160"	DP1214500160SC11	5865.00
16" x 160"	DP1216500160SC11	5865.00
18" x 160"	DP1218500160SC11	5865.00
20" x 160"	DP1220500160SC11	5865.00
22" x 160"	DP1222500160SC11	5865.00
12" x 200"	DP1212500200SC11	7292.00
14" x 200"	DP1214500200SC11	7292.00
16" x 200"	DP1216500200SC11	7292.00
18" x 200"	DP1218500200SC11	7292.00
20" x 200"	DP1220500200SC11	7292.00
22" x 200"	DP1222500200SC11	7292.00
14" x 240"	DP1214500240SC11	7752.00
16" x 240"	DP1216500240SC11	7752.00
18" x 240"	DP1218500240SC11	7752.00
20" x 240"	DP1220500240SC11	7752.00
22" x 240"	DP1222500240SC11	7752.00

Spherosyn® 2G Encoder Assemblies

0.0002"/0.0005" Resolution

Travel	Part No.	List Price	Travel	Part No.	List Price	Travel	Part No.	List Price
2"	S00A00051035	495.00	74"	S00A01880035	1932.00	176"	S00A04470035	4608.00
4"	S00A00102035	495.00	76"	S00A01930035	2013.00	180"	S00A04572035	4713.00
6"	S00A00152035	502.00	80"	S00A02032035	2111.00	184"	S00A04674035	4817.00
8"	S00A00203035	506.00	82"	S00A02083035	2143.00	188"	S00A04775035	4922.00
10"	S00A00254035	514.00	84"	S00A02134035	2172.00	192"	S00A04877035	5027.00
12"	S00A00305035	523.00	88"	S00A02235035	2234.00	196"	S00A04978035	5130.00
14"	S00A00356035	549.00	92"	S00A02337035	2359.00	200"	S00A05080035	5236.00
16"	S00A00406035	559.00	96"	S00A02438035	2506.00	204"	S00A05182035	5340.00
18"	S00A00457035	565.00	100"	S00A02540035	2653.00	212"	S00A05385035	5550.00
20"	S00A00508035	601.00	102"	S00A02591035	2845.00	216"	S00A05486035	5656.00
22"	S00A00559035	617.00	104"	S00A02642035	2887.00	220"	S00A05588035	5761.00
24"	S00A00610035	679.00	108"	S00A02743035	2969.00	224"	S00A05690035	5864.00
26"	S00A00660035	708.00	110"	S00A02794035	3009.00	232"	S00A05893035	6074.00
28"	S00A00711035	733.00	112"	S00A02845035	3033.00	238"	S00A06045035	6231.00
30"	S00A00762035	745.00	116"	S00A02946035	3113.00	240"	S00A06096035	6283.00
32"	S00A00813035	798.00	120"	S00A03048035	3191.00	244"	S00A06198035	6388.00
34"	S00A00864035	818.00	124"	S00A03150035	3311.00	248"	S00A06299035	6492.00
36"	S00A00914035	904.00	128"	S00A03251035	3403.00	252"	S00A06401035	6598.00
38"	S00A00965035	936.00	132"	S00A03353035	3456.00	260"	S00A06604035	6807.00
40"	S00A01016035	964.00	136"	S00A03454035	3561.00	264"	S00A06706035	6911.00
42"	S00A01067035	1007.00	140"	S00A03556035	3665.00	276"	S00A07010035	7295.00
44"	S00A01118035	1043.00	144"	S00A03658035	3770.00	284"	S00A07214035	7507.00
46"	S00A01168035	1064.00	148"	S00A03759035	3875.00	286"	S00A07264035	7560.00
48"	S00A01219035	1125.00	150"	S00A03810035	3927.00	288"	S00A07315035	7613.00
50"	S00A01270035	1172.00	152"	S00A03861035	3979.00	300"	S00A07620035	7931.00
52"	S00A01321035	1192.00	154"	S00A03912035	4032.00	320"	S00A08128035	8056.00
54"	S00A01372035	1214.00	156"	S00A03962035	4084.00	340"	S00A08636035	8560.00
56"	S00A01422035	1309.00	160"	S00A04064035	4188.00	360"	S00A09144035	9063.00
58"	S00A01473035	1363.00	164"	S00A04166035	4293.00	384"	S00A09754035	9668.00
60"	S00A01524035	1414.00	166"	S00A04216035	4346.00	408"	S00A10363035	10,272.00
64"	S00A01626035	1563.00	168"	S00A04267035	4398.00	432"	S00A10973035	10,876.00
68"	S00A01727035	1642.00	170"	S00A04318035	4452.00	462"	S00A11735035	11,631.00
72"	S00A01829035	1826.00	172"	S00A04369035	4482.00	510"	S00A12954035	12,839.00

NOTE: Order encoders by Travel Length not overall length.
 Spherosyn® Overall Length = Travel + 10.2".
 The metric equivalent to the travel length is derived from the 5th - 9th digit in the part number.
PLEASE CALL FOR TRAVELS NOT SHOWN OR TRAVELS OVER 510".
 Reader Heads with extended cable lengths are available on request.

Spherosyn 2G Encoder Assemblies

Includes:

- Reader Head w/11.5' Armored Cable
- Scale
- Scale Cover
- Scale Support Brackets

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Microsyn 2G Encoder Assemblies

Includes:

- Reader Head w/11.5' Armored Cable
- Scale
- Scale Cover
- Scale Support Brackets

NOTE: Reader Heads with extended cable lengths are available, please call for details.

Microsyn® 2G Encoder Assemblies - 5 Micron Accuracy 0.00005"/0.0001"/0.0002"/0.0005" Resolution

Travel	Part No.	List Price	Travel	Part No.	List Price
2"	M2GA0500055035	610.00	22"	M2GA0500560035	840.00
4"	M2GA0500105035	610.00	24"	M2GA0500610035	867.00
6"	M2GA0500155035	616.00	26"	M2GA0500660035	899.00
8"	M2GA0500205035	623.00	28"	M2GA0500715035	934.00
10"	M2GA0500255035	639.00	30"	M2GA0500765035	948.00
12"	M2GA0500305035	658.00	32"	M2GA0500815035	1016.00
14"	M2GA0500355035	694.00	34"	M2GA0500865035	1062.00
16"	M2GA0500410035	747.00	36"	M2GA0500915035	1178.00
18"	M2GA0500460035	771.00	38"	M2GA0500965035	1239.00
20"	M2GA0500510035	819.00	40"	M2GA0501000035	1276.00

Microsyn® 2G Encoder Assemblies - 10 Micron Accuracy 0.0002"/0.0005" Resolution

Travel	Part No.	List Price	Travel	Part No.	List Price
2"	M2GA1000055035	539.00	22"	M2GA1000560035	693.00
4"	M2GA1000105035	539.00	24"	M2GA1000610035	710.00
6"	M2GA1000155035	545.00	26"	M2GA1000660035	742.00
8"	M2GA1000205035	550.00	28"	M2GA1000710035	768.00
10"	M2GA1000255035	565.00	30"	M2GA1000765035	778.00
12"	M2GA1000305035	580.00	32"	M2GA1000815035	833.00
14"	M2GA1000355035	614.00	34"	M2GA1000865035	869.00
16"	M2GA1000410035	623.00	36"	M2GA1000915035	969.00
18"	M2GA1000460035	641.00	38"	M2GA1000965035	1017.00
20"	M2GA1000510035	681.00	40"	M2GA1001000035	1051.00

NOTE: Order encoders by Travel Length not overall length. Microsyn® Overall Length = Travel + 7.4"
The metric equivalent to the travel length is derived from the 5th - 9th digit in the part number.

Bracket Kits

Description	Part No.	List Price
Lathe Bracket Kit (Spherosyn®/Spherosyn®)	LBK01-M	142.00
Lathe Bracket Kit (Spherosyn®/Microsyn®)	LBK02-M	154.00
Lathe Bracket Kit (Microsyn®/Microsyn®)	LBK03-M	142.00
Universal Bracket Kit (Spherosyn®/Spherosyn®)	UBK01-M	121.00
Universal Bracket Kit (Spherosyn®/Microsyn®)	UBK02-M	129.00
Universal Bracket Kit (Microsyn®/Microsyn®)	UBK03-M	121.00
Knee/Turret Mill Bracket Kit (Spherosyn®)	BPK01-M	135.00
Quill Bracket Kit (Microsyn®)	600-65480	163.00
Knee Bracket Kit (Spherosyn®)	KBK01-M	134.00
Single End Mount (Spherosyn®)	600-63610	55.00
Single End Mount (Microsyn®)	600-65340	67.00

NOTE: Some modification of bracketry may be required during installation.
Visit www.newall.com for bracket kit drawings and hardware details.

Display Mounting Arms

Description	Part No.	List Price
Display Mounting Arm Assembly	600-84115	125.00
Lathe Display Mount for Headstock	600-84125	192.00
Lathe Display Mount for Carriage	600-84126	192.00
Pivot Mount-Face	600-80270	49.00
Pivot Mount-Universal	600-80290	49.00
Swivel Mount for DP1200 and DP700	600-84370	39.00

Options & Accessories

Description	Part No.	List Price
External Summing Unit 2:1	600-17705	528.00
Two Axis Switch Box	600-83220	227.00
NP100 Touch Probe (DP1200 only)	600-84540	915.00
Wedgeline Standard Software	283-80560	Please Call
DRO Interface Cable (3.5M)	307-83215	130.00
Serial to USB Adapter Cable (0.5M)	307-82340	133.00

Extension Cables

For use with Spherosyn® 2G, Microsyn 2G encoders only

Description	Part No.	List Price
3' Extension Cable w/'D' Connector	ELAD0001	94.00
6.5' Extension Cable w/'D' Connector	ELAD0002	112.00
11.5' Extension Cable w/'D' Connector	ELAD0305	125.00
16' Extension Cable w/'D' Connector	ELAD0005	136.00
32' Extension Cable w/'D' Connector	ELAD0010	157.00

DP700 and DP1200 Demonstration Kit

Description	Part No.	List Price
DP700 Demonstration Kit	DKDP7002S00M05	Please Call
DP1200 Demonstration Kit	DKDP12002S00M05	Please Call

Mounting Bracket Kits

Display Mounting Arms

Options & Accessories

Extension Cables

Demo Kits

Includes:

- DP700 or DP1200 DRO Display - 2 Axis
- Spherosyn® 2G Demo Encoder Assembly
- Microsyn® 5 2G Demo Encoder Assembly
- Carrying Case

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DSG-TT Encoder Assembly

Replacement Newall Encoders for Competitive DRO Systems

Travel	List Price	Travel	List Price	Travel	List Price
in / mm		in/mm		in/mm	
2"/51	532.00	74"/1880	2078.00	204"/5182	5799.00
4"/102	532.00	76"/1930	2165.00	212"/5385	6025.00
6"/152	540.00	80"/2032	2272.00	216"/5486	6139.00
8"/203	545.00	84"/2134	2304.00	220"/5588	6256.00
10"/254	554.00	88"/2235	2338.00	224"/5690	6368.00
12"/305	562.00	92"/2337	2408.00	232"/5893	6596.00
14"/356	590.00	96"/2438	2538.00	240"/6096	6823.00
16"/406	603.00	100"/2540	2854.00	244"/6198	6937.00
18"/457	609.00	104"/2642	3104.00	248"/6299	7050.00
20"/508	645.00	108"/2743	3193.00	252"/6401	7163.00
22"/559	664.00	112"/2845	3262.00	260"/6604	7392.00
24"/610	725.00	116"/2946	3346.00	264"/6706	7504.00
26"/660	754.00	120"/3040	3430.00	276"/7010	7770.00
28"/711	782.00	124"/3150	3593.00	280"/7112	7882.00
30"/762	792.00	128"/3251	3694.00	284"/7214	7995.00
32"/813	851.00	132"/3352	3754.00	288"/7315	8109.00
34"/864	872.00	136"/3454	3868.00	300"/7620	8448.00
36"/914	963.00	140"/3556	3981.00	308"/7823	8674.00
38"/965	997.00	144"/3658	4094.00	320"/8128	8789.00
40"/1016	1027.00	148"/3759	4209.00	324"/8230	9036.00
42"/1067	1073.00	152"/3861	4321.00	340"/8636	9116.00
44"/1118	1112.00	156"/3962	4435.00	352"/8941	9440.00
46"/1168	1132.00	160"/4064	4549.00	360"/9144	9652.00
48"/1219	1197.00	164"/4166	4661.00	384"/9754	10,296.00
50"/1270	1247.00	168"/4267	4776.00	408"/10363	10,938.00
52"/1321	1268.00	172"/4369	4890.00	432"/10973	11,583.00
54"/1372	1291.00	176"/4470	5002.00	462"/11735	12,385.00
56"/1422	1393.00	180"/4572	5116.00	480"/12192	12,867.00
58"/1473	1450.00	184"/4674	5231.00	510"/12954	13,672.00
60"/1524	1,506.00	188"/4775	5,343.00		
64"/1626	1,681.00	192"/4877	5,457.00		
68"/1727	1,767.00	196"/4978	5,571.00		
72"/1829	1,962.00	200"/5080	5,684.00		

Note: Contact Newall for travels not shown or travels greater than 510".

NOTE: Order encoders by Travel Length not overall length. DSG Overall Length = Travel + 10.2". DMG Overall Length = Travel + 7.4"

Encoder Assemblies

Includes:

- Reader Head w/11.5' Armored Cable
- Scale
- Scale Cover
- Scale Support Brackets



NOTE: DSG and DMG Encoders are not compatible with Newall's A, B, C, DP and E Series Displays.

They are compatible with most brands of competitive DRO displays:

- Acu-Rite
- Anilam
- Mitutoyo
- Fagor
- Sargon
- Heidenhain
- SWI Trak
- and others

All the above trademarks and brands are the property of their respective owners.

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DMG-TT Encoder Assembly

Replacement Newall Encoders for Competitive DRO Systems

Travel	List Price	Travel	List Price
in/mm		in/mm	
2"/55	638.00	22"/560	819.00
4"/105	638.00	24"/610	842.00
6"/155	645.00	26"/693	874.00
8"/205	651.00	28"/715	907.00
10"/255	667.00	30"/765	921.00
12"/305	686.00	32"/815	988.00
14"/355	725.00	34"/865	1032.00
16"/410	736.00	36"/915	1148.00
18"/460	760.00	38"/965	1205.00
20"/510	809.00	40"/1000	1241.00

Adapter Cables

For use when installing Newall encoders on competitive brands of DRO's

Part No.	List Price	Part No.	List Price
Acu-Rite / Anilam		Mitutoyo	
ADA101	82.00	307-81280	82.00
ADA102	82.00	ADA207	82.00
ADA103	82.00		
ADA104	82.00	Fagor	
ADA108	82.00	307-83090	82.00
		307-81260	82.00
Sargon			
ADA105	82.00	Heidenhain	
ADA106	82.00	Please call for assistance	

NOTE: Adapter cables for other brands are available. Call for details or visit the complete compatibility list at:

http://newall.com/upload/content/file/downloads_led_promo_digicompat-displays.pdf

DSG & DMG Part Number Configuration

DSG-TT Part Number Config.

DSG-TT _ C M A _ _ 0 0

S = 5.0 Micron Res. Travel Length (in inches)
V = 10.0 Micron Res. Example: 4" is 004

DMG-TT Part Number Config.

DMG-TT _ F M A 0 _ _ 0 0

M = 1.0 Micron Res. Travel Length (in inches)
P = 2.0 Micron Res. Example: 12" is 12
S = 5.0 Micron Res.
V = 10.0 Micron Res.

Extension Cables

For use with DSG and DMG Encoders Only

Description	Part No.	List Price
3' Digital Extension Cable	ELD09D00100D0	99.00
6.5' Digital Extension Cable	ELD09D00200D0	115.00
11.5' Digital Extension Cable	ELD09D00350D0	125.00
16' Digital Extension Cable	ELD09D00500D0	139.00
32' Digital Extension Cable	ELD09D01000D0	160.00

Bracket Kits

Description	Part No.	List Price
Lathe Bracket Kit (DSG/DSG)	LBK01-M	142.00
Lathe Bracket Kit (DSG/DMG)	LBK02-M	152.00
Lathe Bracket Kit (DMG/DMG)	LBK03-M	142.00
Universal Bracket Kit (DSG/DSG)	UBK01-M	121.00
Universal Bracket Kit (DSG/DMG)	UBK02-M	129.00
Universal Bracket Kit (DMG/DMG)	UBK03-M	121.00
Knee/Turret Mill Bracket Kit (DSG)	BPK01-M	135.00
Quill Bracket Kit (DMG)	600-65480	163.00
Knee Bracket Kit (DSG)	KBK01-M	134.00
Single End Mount (DSG)	600-63610	55.00
Single End Mount (DMG)	600-65340	67.00

NOTE: Some modification of bracketry may be required during installation.
Visit www.newall.com for bracket kit drawings and hardware details.

Guide for Adapter Cables

DSG or DMG connecting to:

- Acu-Rite or Anilam DRO with 6-pin round connector use adapter #ADA102.
- Acu-Rite or Anilam DRO with 9-pin "D" style connector (except Mate series), no adapter required.
- Sargon DRO use adapter #ADA106. Select 5 micron resolution.
- Mitutoyo DRO with 6-pin round connector, use adapter #307-81280. Select 5 micron resolution.

Extension Cables for DSG & DMG

Mounting Bracket Kits

RDW-PV Draw Wire Encoder

Description	Part No.	List Price
RDW-PV Draw Wire Encoder	RDWVP500A	945.00
10' (3M) M18 Cable	ELDM1800309D1	124.00
20' (6M) M18 Cable	ELDM1800619D1	149.00
30' (9M) M18 Cable	ELDM1800919D1	166.00
50' (15M) M18 Cable	ELDM1801529D1	230.00
100' (30M) M18 Cable	ELDM1803059D1	363.00

MAG-TS Magnetic Tape Scale

Description	Part No.	List Price
40" (1M) MAG-TS Scale	MAGT20100100	716.00
78" (2M) MAG-TS Scale	MAGT20100200	1392.00
118" (3M) MAG-TS Scale	MAGT20100300	2049.00
156" (4M) MAG-TS Scale	MAGT20100400	2678.00
196" (5M) MAG-TS Scale	MAGT20100500	3282.00
236" (6M) MAG-TS Scale	MAGT20100600	3859.00
276" (7M) MAG-TS Scale	MAGT20100700	4410.00
314" (8M) MAG-TS Scale	MAGT20100800	4937.00
354" (9M) MAG-TS Scale	MAGT20100900	5434.00
394" (10M) MAG-TS Scale	MAGT20101000	5908.00
432" (11M) MAG-TS Scale	MAGT20101100	6353.00
472" (12M) MAG-TS Scale	MAGT20101200	6775.00
512" (13M) MAG-TS Scale	MAGT20101300	7168.00
550" (14M) MAG-TS Scale	MAGT20101400	7535.00
590" (15M) MAG-TS Scale	MAGT20101500	7876.00
630" (16M) MAG-TS Scale	MAGT20101600	8191.00
668" (17M) MAG-TS Scale	MAGT20101700	8480.00
708" (18M) MAG-TS Scale	MAGT20101800	8756.00
748" (19M) MAG-TS Scale	MAGT20101900	8979.00
786" (20M) MAG-TS Scale	MAGT20102000	9188.00
826" (21M) MAG-TS Scale	MAGT20102100	9373.00
866" (22M) MAG-TS Scale	MAGT20102200	9530.00
906" (23M) MAG-TS Scale	MAGT20102300	9662.00
944" (24M) MAG-TS Scale	MAGT20102400	9767.00
984" (25M) MAG-TS Scale	MAGT20102500	10,009.00
1024" (26M) MAG-TS Scale	MAGT20102600	10,239.00
1062" (27M) MAG-TS Scale	MAGT20102700	10,456.00
1102" (28M) MAG-TS Scale	MAGT20102800	10,658.00
1142" (29M) MAG-TS Scale	MAGT20102900	10,850.00
1180" (30M) MAG-TS Scale	MAGT20103000	11,027.00
1220" (31M) MAG-TS Scale	MAGT20103100	11,191.00
1260" (32M) MAG-TS Scale	MAGT20103200	11,341.00

NOTE: • The above MAG-TS scale prices DO NOT include the Reader Head.

- MAG-TS scales are sold as actual lengths, not travel length.
- Scale prices include 10mm cover strip.
- Tape end clamps (MAGTFIX) are free of charge and ordered separately when backer bar is not ordered.

MAG-TS Reader Head and Accessories

Description	Part No.	List Price
MAG-TS Reader Head	MAG10009D035	455.00
Universal Mounting and Joining Bracket for Backer Bar	MAGBARJOINT	59.00
2 Meter Backing Bar w/ Mounting Brackets	MSAGBD00000200	237.00
MAG-TS Reader Head Mounting Kit	MAGHBKIT	99.00
MAG-TS Single Shot Reference Mark	600-80370	f.o.c.

NOTE: • The Backer Bar includes 29mm stainless steel cover and universal mounting and joining brackets.

- The Backer Bar is only sold in 2 meter increments.

RDW-PV

Features:

- Measuring range up to 125" (3175mm)
- Linear guide way not required
- Linear resolution to 0.0005" (0.01mm)
- Nylon coated stainless steel cable
- TTL quad. differential output
- Compatible with DP1200 (digital axis), or SA100/SA100R DRO

MAG-TS Magnetic Tape Scale

Features:

- Measuring range up to 1260" (32M)
- Simple and adaptable installation
- Linear guide way not required
- TTL quad. differential output
- Compatible with DP1200 (digital axis) or SA100/SA100R

MAG-TS Reader Head and Accessories

- MAG-TS Reader Head include 3.5M armored cable with 9D connector

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