Needle Systems

Characteristics

Ostling offers many types of Needle Systems to solve almost any marking application. With our wide range of needle systems the correct assembly can be specified based on the application.

The WE needle systems actuate by compressed air forcing the needle down. The needle reciprocates with a frequency of approximately 150Hz (as a function of the pressure and work distance) as soon as it is subjected to compressed air (there is no "startup" time). Thus, the material is compressed and/or displaced. This needle is characterized by its larger stroke and diameter and its impact strength. It is exceptionally good at deep marks.

The new WP needle systems do not reciprocate naturally, but is instead brought to oscillate by a high-speed switching valve with an adjustable frequency of between 20 and 150Hz. Thus, the material is compressed and/or displaced. This needle is characterized by its high needle frequency and is suitable for nearly all applications. With this needle, even the smallest markings can be produced problem-free and with control of the marking frequency, even more flexibility is offered.

Scribing Needle System WE 1R

Working Pressure:	1 - 4 bar
Air:	filtered
Screw Thread:	M16 x 1.5
Piston Diameter:	16 mm or 20 mm
Maximum Stroke:	10 mm
Needle Diameter:	3 mm
Needle Tip Angle:	60°, 90° or 120°
Marking Head:	all scribe systems

Marking Needle System WP2

Working Pressure:	4 - 6 bar
Air:	filtered
Screw Thread:	M16 x 1.5
Piston Diameter:	10 mm
Maximum Stroke:	10 mm
Needle Diameter:	3 mm
Needle Tip Angle:	60°, 90° or 120°
Marking Head:	all, except. 3/5 + MagicPin H

Marking Needle System WP2, 4mm

Working Pressure:	4 - 6 bar
Air:	filtered
Screw Thread:	M16 x 1.5
Piston Diameter:	10 mm
Maximum Stroke:	10 mm
Needle Diameter:	4 mm
Needle Tip Angle:	60°, 90° or 120°
Marking Head:	all, except. 3/5 + MagicPin H

Marking Needle System WP3

Working Pressure:	4 - 6 bar
Air:	filtered
Screw Thread:	M16 x 1
Piston Diameter:	10 mm
Maximum Stroke:	10 mm
Needle Diameter:	3 mm
Needle Tip Angle:	60°, 90° or 120°
Marking Head:	3/5

Ostling Technologies
P.O. Box 917
Chillicothe, Ohio 45601
Phone: 740-779-9918 Fax: 740-779-9910
email: sales@permanentmarking.com

NeedleMark™ Marking Systems

Marking Needle System WE 3

Working Pressure:	4 - 6 bar
Air:	filtered
Screw Thread:	M16 x 1
Piston Diameter:	14 mm
Maximum Stroke:	4 mm
Needle Diameter:	3 mm
Needle Tip Angle:	60°, 90° or 120°
Marking Head:	3/5, MagicPin H

Marking Needle System WE 3 long

Working Pressure:	4 - 6 bar
Air:	filtered
Screw Thread:	M16 x 1
Piston Diameter:	14 mm
Maximum Stroke:	4 mm
Needle Diameter:	3 mm
Needle Tip Angle:	60°, 90° or 120°
Needle Length:	128 mm
Marking Head:	3/5, MagicPin H

Deep-Marking Needle System WE 4

Working Pressure:	4 - 6 bar
Air:	filtered
Screw Thread:	M16 x 1.5
Piston Diameter:	12 mm or 16 mm
Maximum Stroke:	4 mm
Needle Diameter:	5 mm
Needle Tip Angle:	60°, 90° or 120°
Marking Head:	from 8/14

Deep-Marking Needle System WE 4 Steel

Working Pressure:	4 - 6 bar
Air:	filtered, oiled
Screw Thread:	M16 x 1.5
Piston Diameter:	12 mm or 16 mm
Maximum Stroke:	4 mm
Needle Diameter:	5 mm
Needle Tip Angle:	60°, 90° or 120°
Marking Head:	ab 8/14

Deep-Marking Needle System WE 1

Working Pressure:	4 - 6 bar
Air:	filtered
Screw Thread:	M16 x 1.5
Piston Diameter:	12 mm
Maximum Stroke:	5 mm
Needle Diameter:	4 mm
Needle Tip Angle:	60°, 90° or 120°
Marking Head:	all, without 3/5 und 4/6

Marking Needle System WE 2

Working Pressure:	2 - 6 bar
Air:	filtered
Screw Thread:	M16 x 1.5
Piston Diameter:	14 mm
Maximum Stroke:	4 mm
Needle Diameter:	3 mm
Needle Tip Angle:	60°, 90° or 120°
Marking Head:	all, except. 3/5 + MagicPin H

Specifications subject to change without notice.
2.00/2008.01.08

Ostling Technologies
P.O. Box 917
Chillicothe, Ohio 45601
Phone: 740-779-9918 Fax: 740-779-9910
email: sales@permanentmarking.com

Needle Systems

Marking Needle System WE 2, 4 mm

Working Pressure:	2 - 6 bar
Air:	filtered
Screw Thread:	M16 x 1.5
Piston Diameter:	14 mm
Maximum Stroke:	4 mm
Needle Diameter:	4 mm
Needle Tip Angle:	60°, 90° or 120°
Marking Head:	all, except. 3/5 + MagicPin H

Marking Needle System WE 2 long

Working Pressure:	4 - 6 bar
Air:	filtered
Screw Thread:	M16 x 1.5
Piston Diameter:	14 mm
Maximum Stroke:	3 mm
Needle Diameter:	3 mm
Needle Tip Angle:	60°, 90° or 120°
Needle Length:	128 mm
Marking Head:	all, except. 3/5 + MagicPin H

Ostling Technologies
P.O. Box 917
Chillicothe, Ohio 45601
Phone: 740-779-9918 Fax: 740-779-9910
email: sales@permanentmarking.com