

SURGICAL SEWING
EYE NEEDLES
PATHOLOGICAL NEEDLES

PINS, NEEDLES
AND WIRE BASED
PRODUCTS

NEEDLES AND PINS
FOR THE TEXTILE INDUSTRY

NEEDLES AND STITCH
GUIDE SUPPORTS
FOR TEXTILE MACHINES

TATTOO NEEDLES
AND CAPS

SERVICES

**SPECIAL
PRODUCTION
FACILITY
IN BRUMOV**





SURGICAL SEWING
EYE NEEDLES
PATHOLOGICAL
NEEDLES



SURGICAL SEWING EYE NEEDLES

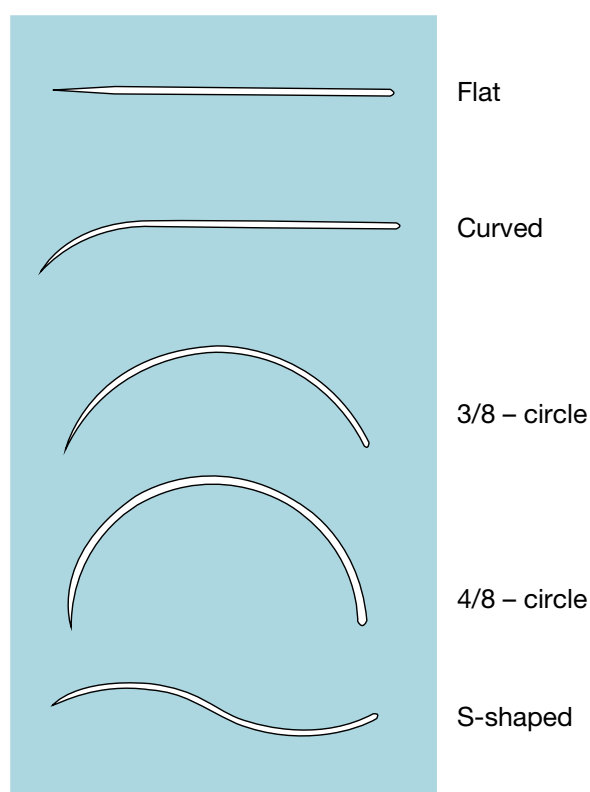
PATHOLOGICAL NEEDLES

Our company produces sewing needles with an elastic eye and pathological needles with a fixed eye. The needles are made of high-quality steel and heat-treated in a manner allowing them to gain the necessary hardness and elasticity.

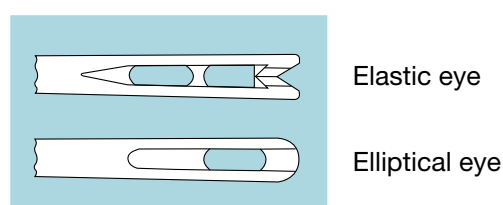
Designs of the needles:

	Material	Eye	Surface	Packing
Surgical needles	Stainless steel	Elastic	polished	10 pcs (12)
Pathological needles	Carbon steel	Fixed	nickel-coated	10 pcs (12)

Shapes:



Eye:



Point:



The complete range of the needles can be found in our catalogue of surgical sewing needles.

Our needles have been used in all surgeries in the Czech Republic and the Slovak Republic since the 1960s as they reduce health care costs.

Our goal is to achieve reliability, high quality and customer's satisfaction.



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PINS, NEEDLES
AND WIRE BASED
PRODUCTS

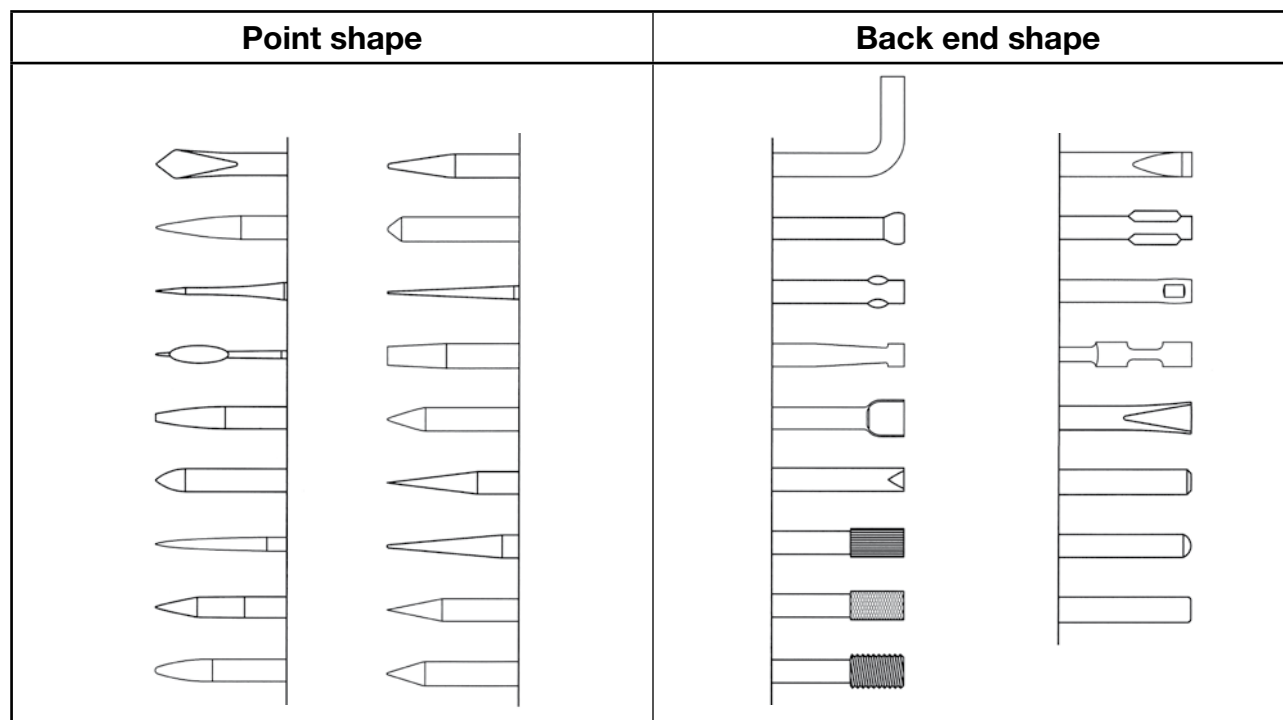


PINS, NEEDLES AND WIRE BASED PRODUCTS

We produce pins, needles, plugs and other fine parts made of wire for all industries such as medical, textile, plastic, glassmaking, chemical, food, consumer industry etc.

Production operations: wire flattening, points grinding, pressing, reducing, bending, hardening, tumbling, polishing and other kinds of surface finishing.

Designs of the needles



Dimensions of the needles:

Dimension	mm	Inch
Diameter	0.20 – 4.00	0.00787 – 0.1574
Length	2.50 – 300	0.09842 – 11.811

MATERIAL: carbon steel, tool steel, stainless steel, spring steel, brass, copper

SURFACE: ground, polished, zinc-coated, nickel-coated

FIELD OF APPLICATION: e.g. drawing compasses, drumming hooks, combs, awls, perforating needles, engraving needles, contact needles, threading needles, plugs...

Precise requirements of the customer are applied by us as per drawing documentation or sample. Our goal is to achieve reliability, high quality and customer's satisfaction.



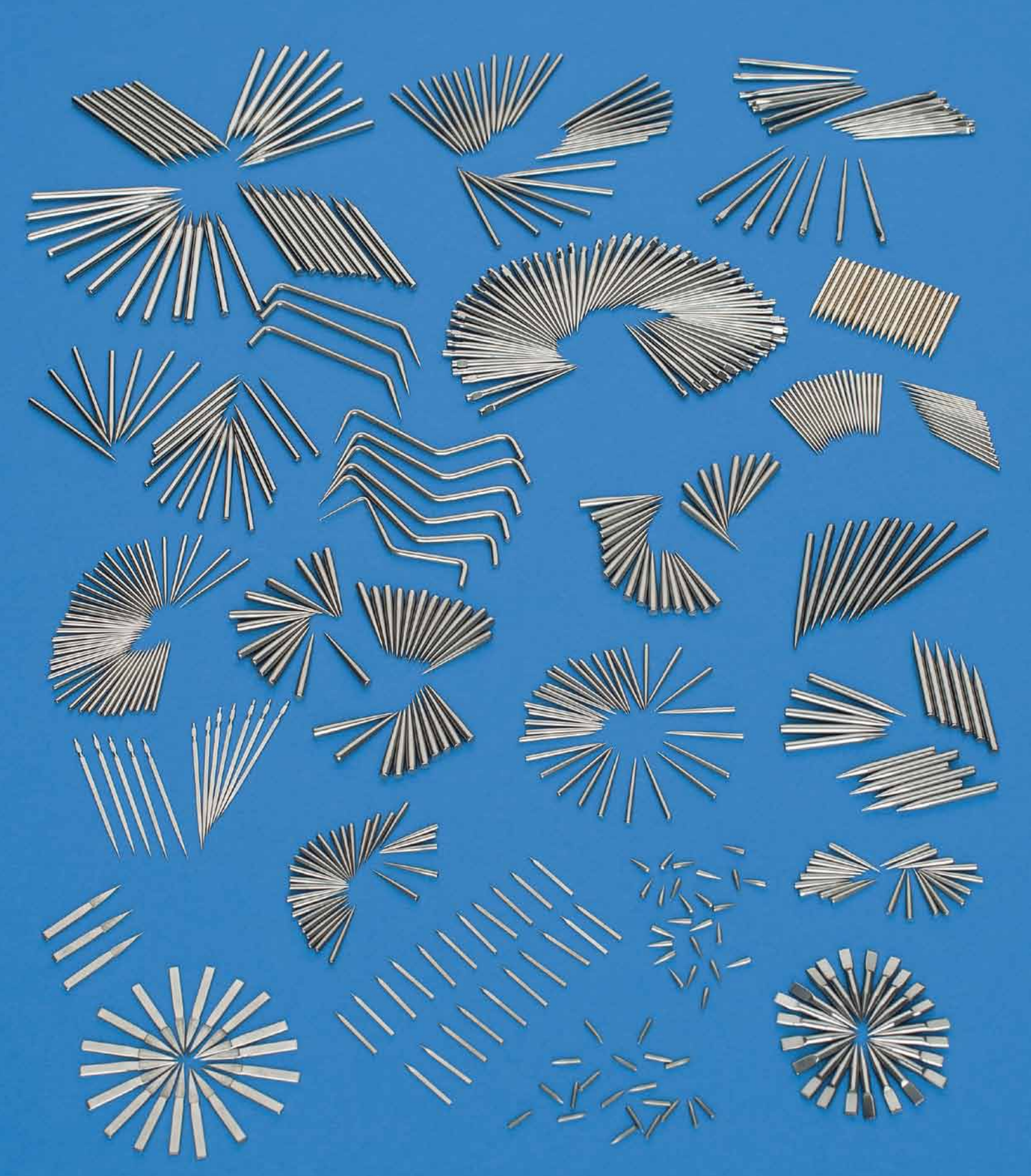
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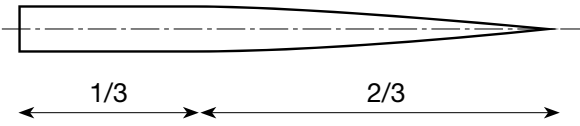
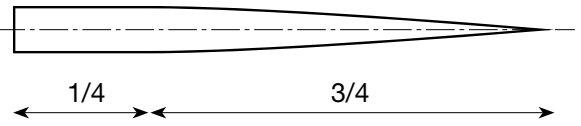
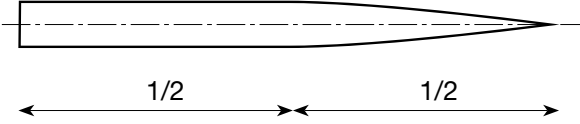
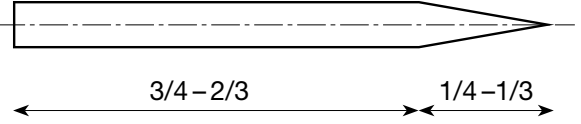
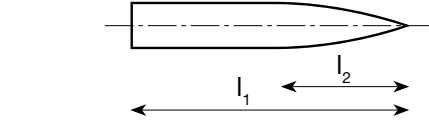
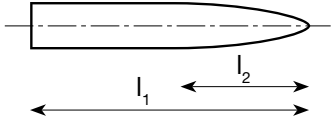
NEEDLES AND PINS FOR
THE TEXTILE INDUSTRY





NEEDLES AND PINS FOR THE TEXTILE INDUSTRY

We produce needles and pins for application in the textile industry, such as spinning and weaving factories. Our products are manufactured with a high level of accuracy and in the required quality, in particular as far as accurate grinding and glossing of the points are concerned.

Types of the needles:

COMB 	GILL 
HACKLE 	CARD 
TEMPLE 	TEMPLE 

Needle designs:

Rounded 	Flattened 
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Dimensions of the needles:

Dimension	mm	Inch
Diameter	0.25 – 1.98	0.00975 – 0.0780
Length	2.38 – 80.0	0.09370 – 3.1496

MATERIAL: carbon steel, tool steel, stainless steel

SURFACE: polished, nickel-coated

FIELD OF APPLICATION: longitudinal cylinders, rounded cylinders, combs, needle blocks, needle plinths

Precise requirements of the customer are applied by us as per drawing documentation or sample. Our goal is to achieve reliability, high quality and customer's satisfaction.



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NEEDLES AND STITCH
GUIDE SUPPORTS
FOR TEXTILE MACHINES

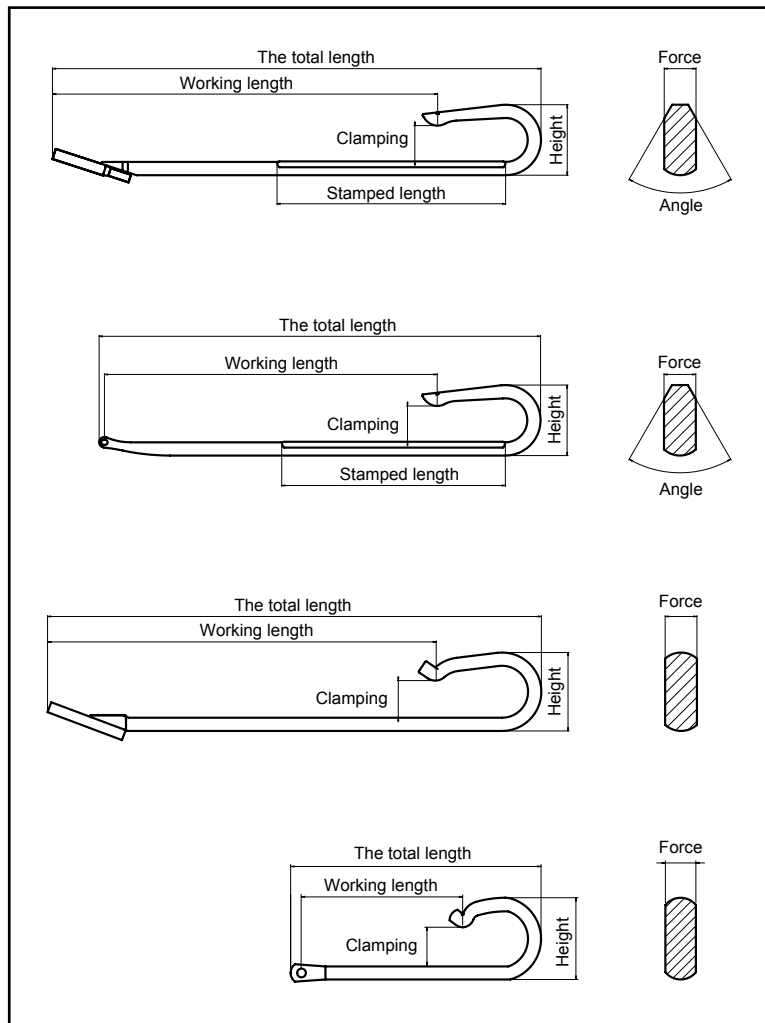


NEEDLES AND STITCH GUIDE SUPPORTS FOR TEXTILE MACHINES

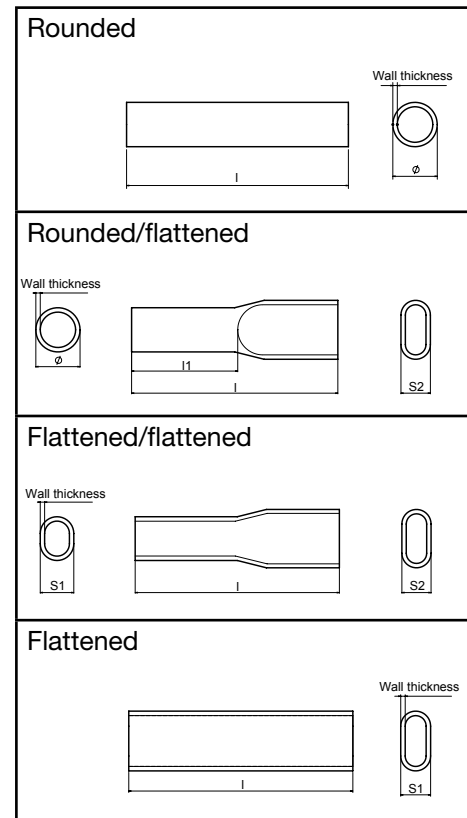
We produce guiding needles with an eye, stitch guide supports with a tube, stitch guide supports with an eye (opening) and manual threading hooks for knitting machines.

Our products are manufactured with a high level of accuracy and in the required quality, in particular as far as the stamping of the eyes is concerned.

Types of the guide supports:



Designs of the tubes:

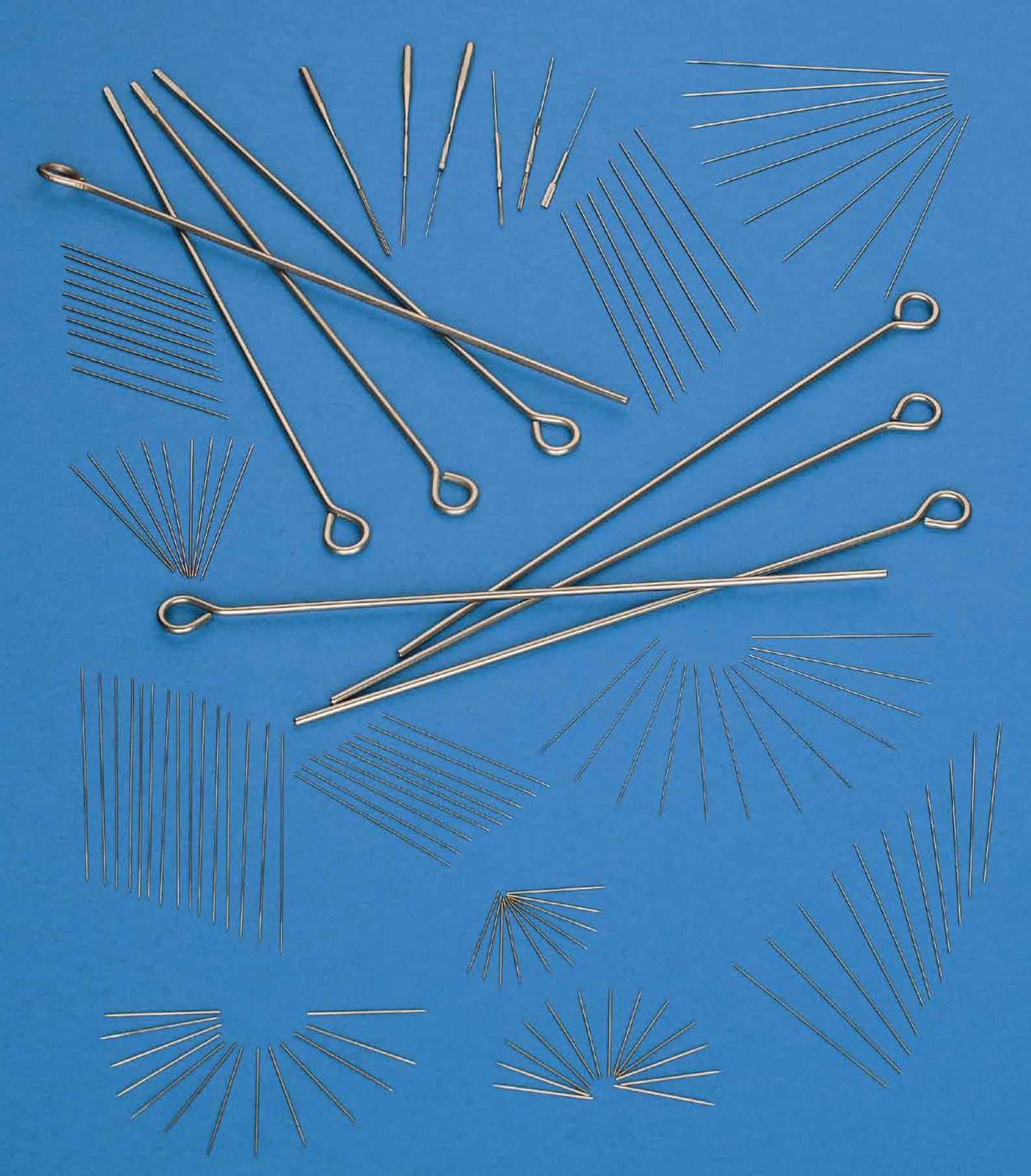


MATERIAL: carbon steel, stainless steel
SURFACE: polished, nickel-coated
FIELD OF APPLICATION: knitting machines, manual threading of stitch

The accurate requirements of the customer are applied by us as per drawing documentation or sample. Our goal is to achieve reliability, high quality and customer's satisfaction.



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TATTOO NEEDLES
AND CAPS



TATTOO NEEDLES AND CAPS

We produce free packed non-sterile tattoo needles. The points of the needles are manufactured with a high level of accuracy and in the requested quality, in particular as far as accurate grinding and polishing of the points are concerned.

1. "STANDARD" FREE PACKED TATTOO NEEDLES

- The needles are made of high-strength stainless steel
- The "STANDARD" point is ground with high quality sharpness and stable geometry
- Basic diameters of the needles:
0.20–0.25–0.30–0.35–0.40–0.45 mm
- Elementary length: 30–80 mm



2. "EXTRA" FREE PACKED TATTOO NEEDLES – Long Taper

- The needles are made of high-strength stainless steel
- The "EXTRA" point is ground with high quality sharpness and stable geometry
- Basic diameters of the needles:
0.20–0.25–0.30–0.35–0.40–0.45 mm
- Elementary length: 30–80 mm



3. CAPS, TATTOO NEEDLE HOLDERS

- The caps are made of stainless steel
- Flattened back end
- Rounded back end

THE SHAPE OF THE POINT AND THE LENGTH OF THE NEEDLE CAN BE ADJUSTED AS PER THE CUSTOMER'S REQUIREMENT.

We complete a multipoint needle from tattoo needles for the application in tattooing, cosmetics and permanent make-up.

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POINTS
GRINDING



HARDENING

TUMBLING
DEBURRING
POLISHING



SERVICES



SERVICES

POINTS GRINDING

We are able to grind the points as per the customer's requirements. To grind thin wires we have specially trained staff with many years of experience in this field.

MATERIAL: carbon steel, tool steel, stainless steel and spring steel, copper, brass and other types of alloys

DIAMETER: 0.20–4.00 mm

LENGTH: max. 300 mm

HARDENING

We carry out hardening of fine parts in a concurrent hardening furnace with protective atmosphere and with a staging device.

HARDENED MATERIAL: carbon steel, tool steel, stainless steel

HARDENING TEMPERATURE: max. 1050 °C

HARDENING MEDIUM: oil

DIMENSIONS OF THE PARTS: fine parts of the maximum length of 100 mm



TUMBLING, DEBURRING AND POLISHING

We carry out tumbling, deburring and polishing of the fine (stamped) parts surfaces. These mechanical modifications are performed before electroplating or as a sort of final surface finishing.

Nickel coating and zinc-plating are carried out by us in cooperation.

MATERIAL: carbon steel, tool steel and stainless steel, copper, brass, aluminium and other alloys

We apply precision requirements of the customer as per drawing documentation or sample. Our goal is to achieve reliability, high quality and customer's satisfaction.



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