

SCHMETZ



Needle ABC

Needles for Household
Sewing Machines

UNIVERSAL NEEDLE



- **System 130/705 H**
With slightly rounded point, for trouble-free sewing of numerous types of materials.
- **Needle sizes** from NM 60 to NM 130, also assorted

Also available as **TWIN**
and **TRIPLE NEEDLE**.

A **A jour knitted goods** – JERSEY NEEDLE
NM 70 to NM 90

Artificial fur (funfur) – JERSEY NEEDLE or
UNIVERSAL NEEDLE NM 70 to NM 100

Artificial leather – MICROTEx NEEDLE or
LEATHER NEEDLE NM 70 to NM 100

B **Bed-linen, jersey** – STRETCH NEEDLE NM 75,
NM 90

Bed-linen, woven – UNIVERSAL NEEDLE
NM 70 to NM 100

STRETCH NEEDLE



- **System 130/705 H-S**
With medium ball point; special eye and scarf area prevent skip stitches especially in highly elastic materials.
For elastic materials and highly elastic knitwear.
- **Needle sizes** NM 65, NM 75, NM 90, also assorted
- **Colour coding:** yellow

Also available as
TWIN NEEDLE.

Belseta – MICROTEX NEEDLE NM 70 to NM 90

Bouclé – JERSEY NEEDLE NM 70 to NM 90

Brocade – UNIVERSAL NEEDLE or MICROTEX NEEDLE NM 60 to NM 90

Burn-out velvet – STRETCH NEEDLE NM 65, NM 75, NM 90

C **Cambric** – UNIVERSAL NEEDLE NM 60, NM 70

Canvas – JEANS NEEDLE NM 90 to NM 110

JERSEY NEEDLE



- **System 130/705 H SUK**
With medium ball point, for knitted fabrics.
- **Needle sizes** NM 70 to NM 100, also assorted
- **Colour coding:** orange

Chambray – UNIVERSAL NEEDLE NM 80, NM 90

Chenille – UNIVERSAL NEEDLE NM 90

Chiffon – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60, NM 70

Coarse knitted material – JERSEY NEEDLE NM 80, NM 90

Coated material – MICROTEx NEEDLE NM 70 to NM 110

Coats – UNIVERSAL NEEDLE NM 90 to NM 130

JEANS NEEDLE



Also available as
TWIN NEEDLE.

- **System 130/705 H-J**
The medium ball point penetrates thick and solid fabrics easier without damaging the material.
The reinforced blade causes less deflection of the needle and reduces the risk of needle breakage and skip stitches.
For denim (jeans) and similar fabrics.
- **Needle sizes** NM 70 to NM 110, also assorted
- **Colour coding:** **blue**

Corduroy – UNIVERSAL NEEDLE NM 80 to NM 100

Cotton knitwear – JERSEY NEEDLE NM 70 to NM 90 or STRETCH NEEDLE NM 75, NM 90

Crêpe – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60 to NM 80

Crêpe-de-Chine – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60 to NM 80

Crinkle – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60 to NM 80

Cupro – MICROTEx NEEDLE NM 60 to NM 80

LEATHER NEEDLE



- **System 130/705 H LL**
With cutting point (LL = twist point) for easier penetration. For leather, artificial leather and similar materials.
- **Needle sizes** NM 70 to NM 120, also assorted
- **Colour coding:** brown

Not suitable for textiles!

Curtains – UNIVERSAL NEEDLE or JERSEY NEEDLE NM 80, NM 90

D **Decorative seams** – HEMSTITCH NEEDLE NM 100, NM 120 or DOUBLE EYE NEEDLE NM 80 or TWIN NEEDLE (there are special needles available for different applications and fabrics) NM 70 to NM 100, NE 1.6 mm to 8.0 mm or UNIVERSAL TRIPLE NEEDLE NM 80, NE 2.5 mm or 3.0 mm

Denim – JEANS NEEDLE NM 70 to NM 110,

MICROTEX NEEDLE



- **System 130/705 H-M**
With very slim acute point for easier piercing of very fine or densely woven fabrics. For precise stitching of edges, also for silk, microfibre fabrics, coated materials, foils and artificial leather.
- **Needle sizes** NM 60 to NM 110, also assorted
- **Colour coding:** purple

for decorative seams: JEANS TWIN NEEDLE
NM 100

Double decorative seams – TWIN NEEDLE
(there are special needles available for different applications and fabrics), NM 70 to
NM 100, NE 1.6 mm to 8.0 mm

Double-face – UNIVERSAL NEEDLE NM 70 to
NM 110

E **Elastic material** – STRETCH NEEDLE NM 65,
NM 75, NM 90

QUILTING NEEDLE



- **System 130/705 H-Q**
Special taper to the slightly rounded point which easily penetrates the thick layers preventing damage to the material.
For quilting and patchwork.
- **Needle sizes** NM 75 and NM 90, also assorted
- **Colour coding:** green

Embroidering – EMBROIDERY NEEDLE NM 75, NM 90 or for embroidering **without** presser foot EMBROIDERY SPRING NEEDLE NM 80 or for high stitch count **GOLD** EMBROIDERY NEEDLE NM 75, NM 90

F **Fancy threads, decorative threads** – EMBROIDERY NEEDLE NM 75, NM 90 or **GOLD** EMBROIDERY NEEDLE NM 75, NM 90 or METALLIC NEEDLE NM 80, NM 90

EMBROIDERY NEEDLE



- **System 130/705 H-E**
With light ball point and especially wide eye and groove in relation to the UNIVERSAL NEEDLE to accommodate voluminous threads and woollen threads. For embroidery.
- **Needle sizes** NM 75 and NM 90, also assorted
- **Colour coding:** red

Also available as
TWIN NEEDLE.

Felt – UNIVERSAL NEEDLE NM 80 to NM 100
Fine jersey – STRETCH NEEDLE NM 65, NM 75
Fleece – UNIVERSAL NEEDLE NM 70 to NM 90 or STRETCH NEEDLE NM 75, NM 90
Foils (vinyl, artificial leather, waxed cloth) – MICROTEX NEEDLE NM 60 to NM 110
Foundation garments – STRETCH NEEDLE NM 75, NM 90 or JERSEY NEEDLE NM 70 to NM 90
Fur cloth – UNIVERSAL NEEDLE NM 70 to NM 100 or JERSEY NEEDLE NM 70 to NM 90

GOLD EMBROIDERY NEEDLE



- **System 130/705 H-ET**
With light ball point and enlarged eye. Titanium Nitride coating improves needle wear resistance in high stitch count applications and reduces needle clogging.
For embroidery and coarse and densely woven materials.
- **Needle sizes** NM 75 and NM 90

G **Gabardine** – UNIVERSAL NEEDLE NM 70 to NM 100

Gauze – JERSEY NEEDLE NM 70, NM 80

Georgette (as well as Crêpe Georgette) – UNIVERSAL NEEDLE or MICROTEX NEEDLE NM 60 to NM 80

H **Half-linen** – UNIVERSAL NEEDLE NM70, NM 80

Hemstitching – HEMSTITCH NEEDLE NM 100, NM 120 or DOUBLE HEMSTITCH NEEDLE NM 100

METALLIC NEEDLE



- **System 130 MET**
With a very long eye (2 mm in all sizes) in comparison to the UNIVERSAL or EMBROIDERY NEEDLE. For sewing with special effect and fancy threads, particularly for metallic threads.
- **Needle sizes** NM 80 and NM 90
- **Colour coding:** antique pink

Also available as
TWIN NEEDLE.

Highly elastic knitted material (Lycra, silk jersey) – STRETCH NEEDLE NM 65, NM 75

J **Jacquard fabric – UNIVERSAL NEEDLE NM 80 to NM 100**

Jeans – JEANS NEEDLE NM 70 to NM 110, for decorative seams: JEANS TWIN NEEDLE NM 100

Jersey – JERSEY NEEDLE NM 70, NM 80, for elastic material STRETCH NEEDLE NM 65, NM 75

TOPSTITCH NEEDLE



- **System 130 N**
With a very long eye (2 mm in all sizes) in comparison to the UNIVERSAL or EMBROIDERY NEEDLE. For top and decorative stitching with multiple threads and also for replacing missing stitches in embroidery.
- **Needle sizes** NM 70 to NM 110, also assorted
- **Colour coding:** light green

K Knitted fabric – JERSEY NEEDLE NM 70 to NM 100

Knitwear – JERSEY NEEDLE NM 70 to NM 90, for elastic material STRETCH NEEDLE NM 65, NM 75, NM 90

L Lace – Needle has to be adjusted individually to the material, NM 70 to NM 90

Lamé – MICROTEx NEEDLE NM 60 to NM 90

Lavable – UNIVERSAL NEEDLE NM 60 to NM 90

EMBROIDERY SPRING NEEDLE



- **System 130/705 H SPR**
With a spring around the needle, which assumes the function of the presser foot. For embroidering in a frame **without** presser foot, for individual patterns, free motion and better sight during embroidering.
- **Needle size** NM 80

Leather – thick, hard artificial leather –

LEATHER NEEDLE NM 100 to NM 120

Leather – thin – LEATHER NEEDLE or

UNIVERSAL NEEDLE NM 70 to NM 90

Linen – UNIVERSAL NEEDLE NM 80, NM 90

Loden (woollen felted fabric) – UNIVERSAL

NEEDLE NM 80 to NM 130

Lycra – STRETCH NEEDLE NM 65, NM 75,

NM 90 or JERSEY NEEDLE NM 70 to NM 90

SCHMETZ COLOUR CODING

For quick identification of needle size and type/application, the below mentioned SCHMETZ household needles are manufactured with a colour code printed on the needle shoulder. The first colour identifies the application, the second colour the needle size (see illustration).

Needle Type/Application

Universal	White with 'X' symbol
Stretch	Yellow
Jersey	Orange
Jeans	Blue
Leather	Brown
Microtex	Purple
Quilting	Green
Embroidery	Red
Metallic	Pink
Topstitch	Light Blue
Embroidery Spring Needle	White with 'X' symbol
Hemstitch	White with 'X' symbol
Double Eye Needle	White with 'X' symbol
Quick Threading Needle	White with 'X' symbol
Special Needles	Grey
Overlock Needles	Black



Needle Size

NM	SIZE
130	21
125	20
120	19
110	18
100	16
90	14
80	12
75	11
70	10
65	9
60	8

HEMSTITCH NEEDLE



- **System 130/705 H WING**
With a “wing” on each side of the needle blade which pushes the fabric aside. For decorative seams and hemstitching in loosely woven fabrics.
- **Needle sizes** NM 100 and NM 120

Also available as **DOUBLE NEEDLE** together with a **UNIVERSAL NEEDLE**.

M **Metallic threads** – METALLIC NEEDLE NM 80, NM 90 or **GOLD** EMBROIDERY NEEDLE NM 75, NM 90

Microfibre fabric – MICROTEX NEEDLE NM 60 to NM 90

Multicoloured decorative seams – DOUBLE EYE NEEDLE NM 80 or TWIN NEEDLE (there are special needles available for different applications and fabrics) NM 70 to NM 100, NE 1.6 mm to 8.0 mm or UNIVERSAL TRIPLE NEEDLE NM 80, NE 2.5 mm or 3.0 mm

DOUBLE EYE NEEDLE



- **System 705 DE**
With two eyes, for decorative seams with decorative threads.
- **Needle size NM 80**

NNE – Distance in mm between needles in
TWIN and TRIPLE NEEDLES

Nettle fabric – UNIVERSAL NEEDLE NM 80 to
NM 100

NM – Thickness of needle (diameter of
needle blade) in hundredths of a millimetre
(e.g. NM 80 = 0.8 mm)

Nylon – UNIVERSAL NEEDLE or MICROTEX
NEEDLE NM 60 to NM 90

QUICK THREADING NEEDLE



- **System 705 HDK**
UNIVERSAL NEEDLE with small slip-in threading slot in the eye. Particularly suitable for easy sliding of sewing thread into the eye.
- **Needle sizes** NM 80 and NM 90

Organdy (glass cambric) – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60, NM 70

Organza – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60, NM 70

Overlock seams, trimming seams – see serging operations

Panne velvet – STRETCH NEEDLE NM 75 or UNIVERSAL NEEDLE NM 70, NM 80

Patchwork – QUILTING NEEDLE NM 75, NM 90

TWIN AND TRIPLE NEEDLES

Only for zigzag machines with transversal hook!

For almost every material, also TWIN NEEDLES are available. Their properties are equivalent to the single needles.

Application: Pintucks, single and multicoloured decorative seams, hems

NEEDLES FOR SPECIAL MACHINES

We provide all needle systems for domestic sergers and other special machines.

Ask your dealer for our list of “Needles for Home Sewing Machines, Special Applications and Overlock”.

Pintucks – TWIN NEEDLE (there are special TWIN NEEDLES available for different applications) NM 70 to NM 100, NE 1.6 to 4.0 mm; for elastic materials: STRETCH TWIN NEEDLE NM 75, NE 2.5 mm or 4.0 mm

Polyester – UNIVERSAL NEEDLE or MICROTEx NEEDLE NM 60 to NM 100

Poplin – MICROTEx NEEDLE or UNIVERSAL NEEDLE NM 60 to NM 80

QQuilting – QUILTING NEEDLE NM 75, NM 90

UNIVERSAL TWIN NEEDLE



- System 130/705 H ZWI NE 1,6**
Needle distance 1.6 mm,
needle sizes NM 70 and NM 80
- System 130/705 H ZWI NE 2,0**
Needle distance 2.0 mm,
needle size NM 80
- System 130/705 H ZWI NE 2,5**
Needle distance 2.5 mm,
needle size NM 80
- System 130/705 H ZWI NE 3,0**
Needle distance 3.0 mm,
needle size NM 90
- System 130/705 H ZWI NE 4,0**
Needle distance 4.0 mm,
needle sizes NM 80 to NM 100

R **Reversible** – UNIVERSAL NEEDLE or JERSEY NEEDLE NM 70 to NM 100

S **Seersucker** – UNIVERSAL NEEDLE NM 70 to NM 90

Sequined material – MICROTEx NEEDLE NM 70 to NM 90 or STRETCH NEEDLE NM 75, NM 90

Serging operations (overlock seams) – There are different needle systems (depending on brand of machine). Please ask for

UNIVERSAL TWIN NEEDLE



With very widely spaced needles:

- **System 130/705 H ZWI BR NE 6,0**
Needle distance 6.0 mm, needle size NM 100
- **System 130/705 H ZWI BR NE 8,0**
Needle distance 8.0 mm, needle size NM 100

our list “Needles for Home Sewing Machines, Special Applications and Overlock”.

Shirts – UNIVERSAL NEEDLE NM 70, NM 80

Shirts with elastic threads – STRETCH NEEDLE NM 75

Shot fabric (changeant fabric) – UNIVERSAL NEEDLE or MICROTEX NEEDLE NM 60 to NM 80

Silk – MICROTEX NEEDLE NM 60 to NM 90

Silk jersey – STRETCH NEEDLE NM 65, NM 75

STRETCH TWIN NEEDLE



- **System**
130/705 H-S ZWI NE 2,5
Needle distance 2.5 mm,
needle size NM 75
- **System**
130/705 H-S ZWI NE 4,0
Needle distance 4.0 mm,
needle size NM 75

Single jersey – STRETCH NEEDLE NM 65, NM 75

Suits – UNIVERSAL NEEDLE NM 80, NM 90

Sweatshirt fabrics – JERSEY NEEDLE NM 70 to NM 90

T **Table-linen** – UNIVERSAL NEEDLE NM 60 to NM 100

Taffeta – MICROTEx NEEDLE or UNIVERSAL NEEDLE NM 60, NM 70

Terry cloth – UNIVERSAL NEEDLE NM 80, NM 90

JEANS TWIN NEEDLE



- **System**
130/705 H-J ZWI NE 4,0
Needle distance 4.0 mm,
needle size NM 100

Thermovelour (fleece) – UNIVERSAL NEEDLE NM 70 to NM 90 or STRETCH NEEDLE NM 75, NM 90

Topstitching – TOPSTITCH NEEDLE NM 70 to NM 90 or MICROTEx NEEDLE NM 60 to NM 90

Triple decorative seams – UNIVERSAL TRIPLE NEEDLE NM 80, NE 2.5 mm or 3.0 mm

T-Shirt – hems and edges – STRETCH TWIN NEEDLE NM 75, NE 2.5 mm or 4.0 mm

METALLIC TWIN NEEDLE



- **System**
130 MET ZWI NE 2,5
Needle distance 2.5 mm,
needle size NM 80
- **System**
130 MET ZWI NE 3,0
Needle distance 3.0 mm,
needle size NM 90

Tulle – UNIVERSAL NEEDLE or JERSEY NEEDLE
NM 70, NM 80

Twill – JEANS NEEDLE NM 70 to NM 110

V **Velour** – UNIVERSAL NEEDLE NM 70 to
NM 100

Velour jersey – STRETCH NEEDLE NM 75,
NM 90

Velvet – STRETCH NEEDLE NM 75, NM 90 or
UNIVERSAL NEEDLE NM 70 to NM 90

Viscose – UNIVERSAL NEEDLE NM 70, NM 80

EMBROIDERY TWIN NEEDLE



- **System**
130/705 H-E ZWI NE 2,0
Needle distance 2.0 mm,
needle size NM 75
- **System**
130/705 H-E ZWI NE 3,0
Needle distance 3.0 mm,
needle size NM 75

Voile – UNIVERSAL NEEDLE NM 60 to NM 80

W **Waxed cloth** – MICROTEX NEEDLE NM 80 to NM 100

WING-needle – HEMSTITCH NEEDLE NM 100, NM 120

Wool and wool blends – UNIVERSAL NEEDLE NM 70 to NM 100

Workwear – JEANS NEEDLE NM 100, NM 110

Z **ZWIHO** – DOUBLE HEMSTITCH NEEDLE NM 100

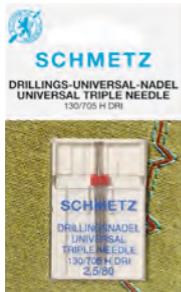
DOUBLE HEMSTITCH NEEDLE



- **System**
130/705 H ZWIHO
Needle distance 2.5 mm,
needle size NM 100
1 UNIVERSAL NEEDLE
together with 1 HEMSTITCH
NEEDLE

Because of the wide variation of materials, these can be only general recommendations. We advise to test the needle on remaining material before sewing.

UNIVERSAL TRIPLE NEEDLE



- **System**
130/705 H DRI NE 2,5
Needle distance 2.5 mm,
needle size NM 80
- **System**
130/705 H DRI NE 3,0
Needle distance 3.0 mm,
needle size NM 80