



Needles for Schiffli embroidery

A perfect precision tool for use in big-bar embroidery machines

Groz-Beckert KG

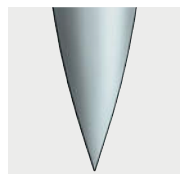
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Point versions



RS/SPI

Standard point RS:

- suitable for use with most embroidery base fabrics
- very high insertion accuracy, thus suitable for air embroidery, drape embroidery



FG/SUK

Medium ball point FG:

- suitable for various fabric structures
- particularly well suited to knit fabrics



TR (U)

Large ball point TR:

- suitable for open fabric structures such as tulle

Standard eye and SA eye



Standard eye:

- thread protection and thread sliding behaviour designed for conventional embroidery yarns



SA eye:


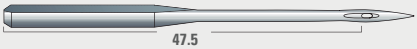


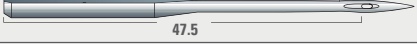
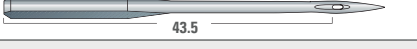
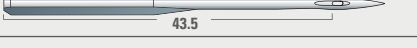
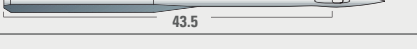
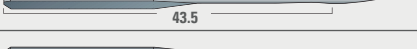
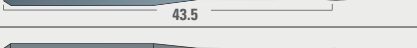
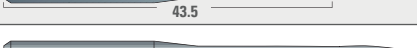

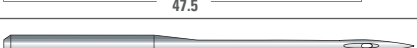





- used for very coarse embroidery yarns or for ornamental embroidery threads with thicker sections

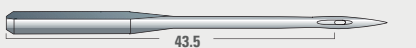
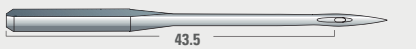
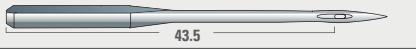

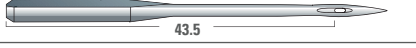

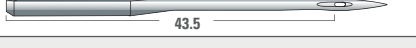
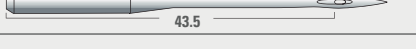
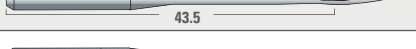


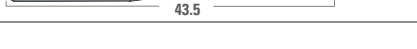
Color coding

Due to the constantly changing materials, the needles have to be changed frequently. In order to avoid mixing different needle sizes and point styles when re-using the needles later on, the Groz-Beckert Schiffli needles are color coded:

Needle size Nm	No.	Point RS (Standard) without color marking on the shank	Point FG = red	Point TR = yellow
70	00			
80	0			
90	1			
100	2			
110	3			
130	4			
140	5			

Schiffli needle program

System	Point	Needle size Nm	Length butt to eye in mm	Shank (ø) mm	Threading direction
L83 TOP / L83	RS	80, 90, 100, 110, 130, 140	 47.5	1.60	a
L83 TOP / L83	TR	70, 80, 90, 100, 110	 47.5	1.60	a
L83 TOP / L83	FG	90, 100, 110	 47.5	1.60	a
L83 TOP SA	RS	90, 100, 110	 47.5	1.60	a
L83 TOP SA	TR	80, 90, 100	 47.5	1.60	a
0110 / SM x 854 B	RS	90	 43.5	2.00	b
110 S / SH x 3	RS	70, 80, 90, 100, 110, 130	 43.5	1.60	b
110 S / SH x 3	FG	80, 90, 100, 110	 43.5	1.60	b
110 S / SH x 3	TR	80, 90, 100	 43.5	1.60	b
110 SA	RS	110	 43.5	1.60	b
110 SA	FG	90, 100	 43.5	1.60	b
110 SA TOP	TR	70, 90, 100, 110	 47.5	1.60	b
110 S TOP	RS	70, 80, 90, 100, 110, 130	 47.5	1.60	b
110 S TOP	FFG	100	 47.5	1.60	b
110 S TOP	FG	70, 80, 90, 100, 110	 47.5	1.60	b
110 S TOP	TR	70, 80, 90, 100, 110, 140	 47.5	1.60	b
110 SA TOP	FG	70, 80, 90, 100, 110	 47.5	1.60	b
110 SA TOP	TR	70, 80, 90, 100, 110	 47.5	1.60	b

System	Point	Needle size Nm	Length butt to eye in mm	Shank (ø) mm	Threading direction
0854	RS	90, 100, 110, 130	 43.5	2.00	a
0854 / SM x 854	TR	100, 110	 43.5	2.00	a
0854 / 0854 V	FG	80, 90, 100	 43.5	2.00	a
854 S / SH x 1	RS	70, 80, 90, 100, 110, 130	 43.5	1.40	a
854 S / SH x 1	FG	80, 90, 100, 110	 43.5	1.40	a
854 S TR / SH x 1Y	TR	70, 80, 90, 100, 110, 130	 43.5	1.40	a
854 SA	RS	100, 110	 43.5	1.40	a
SH x 1KK	RS	100, 110	 43.5	1.40	a
SH x 1KK	TR	90, 100	 43.5	1.40	a
SH-C 25	RS	100	 43.5	1.40	a
SH-C 25 KK	RS	110	 43.5	1.40	a
SH-C 25	TR	100, 110	 43.5	1.40	a

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