



Signal S80 CC

Dimensions (approx.)

Chain width:	8 mm
Chain thickness:	2,3 mm
Single tape widths:	17/19 mm

Features

Woven polyester tape with retro-reflective bands



Quality

Lateral strength	> 832 N
Lateral strength after reciprocation	> 749 N
Reciprocation test (durability)	> 3000 cycles
Operating force	< 5 N

(The quality data represent minimum performance levels)

Main uses

Sportswear
Work wear
Outdoor goods
Luggage

Fastness

		Change	Staining
Washing 40° C	(ISO 105-C06)	4	4
Water	(ISO 105-E01)	4	4
Dry-cleaning	(ISO 105-D01)	4	3...4
Light	(ISO 105-B02)	5	
Rubbing wet	(ISO 105-X12)		3...4
Rubbing dry	(ISO 105-X12)		4

(These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels)

Standards

EN 16732 – class C	CPSIA HR4040;
BS 3084:2006;	F963;
DIN 3416 – 19;	EN71;
Oeko-Tex 100 Class 1;	QM System according BS EN ISO 9001:2008



Dimensions (approx.)

Chain width:	8 mm
Chain thickness:	2,3 mm
Single tape widths:	17/19 mm
Length of tape ends:	top: 30±2 mm
	bottom: 30±2mm

Features

Woven polyester tape with retro-reflective bands
Slider body out of die casted zinc, puller out of zinc
Top stops and bottom stop - metal

Signal S80 CE



Quality

Lateral strength	> 832 N
Lateral strength after reciprocation	> 749 N
Reciprocation test (durability)	> 3000 cycles
Operating force	< 5 N
Puller pull off strength	> 294 N
Slider locking strength	> 78 N
Slider over top stops	> 147 N
Lateral strength of bottom stop	> 140 N
Slider against bottom stop	> 176 N

(The quality data represent minimum performance levels)

Fastness

		Change	Staining
Washing 40° C	(ISO 105-C06)	4	4
Water	(ISO 105-E01)	4	4
Dry-cleaning	(ISO 105-D01)	4	3...4
Light	(ISO 105-B02)	5	
Rubbing wet	(ISO 105-X12)		3...4
Rubbing dry	(ISO 105-X12)		4

(These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels)

Standards

EN 16732 – class C	CPSIA HR4040;
BS 3084:2006;	F963;
DIN 3416 – 19;	EN71;
Oeko-Tex 100 Class 1;	QM System according BS EN ISO 9001:2008

Main uses
Sportswear
Work wear
Leather goods
Outdoor goods
Luggage



Dimensions (approx.)

Chain width:	8 mm
Chain thickness:	2,3 mm
Single tape widths:	17/19 mm
Length of tape ends:	top: 30±2 mm

Features

Woven polyester tape with retro-reflective bands
Slider body out of die casted zinc; puller out of zinc
Top stops and bottom stops - metal

Signal S80 OE



Quality

Lateral strength	> 832 N
Lateral strength after reciprocation	> 749 N
Reciprocation test (durability)	> 3000 cycles
Operating force	< 5 N
Puller pull off strength	> 294 N
Slider locking strength	> 78 N
Slider over top stops	> 147 N
Lateral strength of open end	> 176 N
Box pull off strength	> 147 N

(The quality data represent minimum performance levels)

Fastness

		Change	Staining
Washing 60° C	(ISO 105-C06)	4	4
Water	(ISO 105-E01)	4	4
Dry-cleaning	(ISO 105-D01)	4	3...4
Light	(ISO 105-B02)	5	
Rubbing wet	(ISO 105-X12)		3...4
Rubbing dry	(ISO 105-X12)		4

(These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels)

Standards

EN 16732 – class D	CPSIA HR4040;
BS 3084:2006;	F963;
DIN 3416 – 19;	EN71;
Oeko-Tex 100 Class 1;	QM System according BS EN ISO 9001:2008

Main uses
Sportswear
Work wear
Sleeping bags
Outdoor goods



S80 TWOE

Dimensions (approx.)

Chain width:	8 mm
Chain thickness:	2,3 mm
Single tape widths:	17/19 mm
Length of tape ends:	top: 30±2 mm

Features

Woven polyester tape with retro-reflective bands
Slider body out of die casted zinc; puller out of zinc
Top stops and bottom stops - metal



Quality

Lateral strength	> 832 N
Lateral strength after reciprocation	> 749 N
Reciprocation test (durability)	> 3000 cycles
Operating force	< 5 N
Puller pull off strength	> 294 N
Slider locking strength	> 78 N
Slider over top stops	> 147 N
Lateral strength of bottom end	> 147 N
Slider over bottom parts	> 120 N

(The quality data represent minimum performance levels)

Fastness

		Change	Staining
Washing 40° C	(ISO 105-C06)	4	4
Water	(ISO 105-E01)	4	4
Dry-cleaning	(ISO 105-D01)	4	3...4
Light	(ISO 105-B02)	5	
Rubbing wet	(ISO 105-X12)		3...4
Rubbing dry	(ISO 105-X12)		4

(These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels)

Standards

EN 16732 – class D	CPSIA HR4040;
BS 3084:2006;	F963;
DIN 3416 – 19;	EN71;
Oeko-Tex 100 Class 1;	QM System according BS EN ISO 9001:2008

Main uses
Sportswear
Work wear
Sleeping bags
Outdoor goods



Signal S80 TWCE X-form

Dimensions (approx.)

Chain width:	8 mm
Chain thickness:	2,3 mm
Single tape widths:	17/19 mm
Length of tape ends:	top: 30±2 mm
	bottom: 30±2mm

Features

Woven polyester tape with retro-reflective bands
Slider body out of die casted zinc, puller out of zinc
Top stops and bottom stop - metal



Quality

Lateral strength	> 832 N
Lateral strength after reciprocation	> 749 N
Reciprocation test (durability)	> 3000 cycles
Operating force	< 5 N
Puller pull off strength	> 294 N
Slider locking strength	> 78 N
Slider over top stops	> 147 N

(The quality data represent minimum performance levels)

Main uses

Work wear
Sport wear
Outdoor goods

Fastness

		Change	Staining
Washing 40° C	(ISO 105-C06)	4	4
Water	(ISO 105-E01)	4	4
Dry-cleaning	(ISO 105-D01)	4	3...4
Light	(ISO 105-B02)	5	
Rubbing wet	(ISO 105-X12)		3...4
Rubbing dry	(ISO 105-X12)		4

(These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels)

Standards

EN 16732 – class C	CPSIA HR4040;
BS 3084:2006;	F963;
DIN 3416 – 19;	EN71;
Oeko-Tex 100 Class 1;	QM System according BS EN ISO 9001:2008



Signal S80 2WCE O-form

Dimensions (approx.)

Chain width:	8 mm
Chain thickness:	2,3 mm
Single tape widths:	17/19 mm
Length of tape ends:	top: 30±2 mm
	bottom: 30±2mm

Features

Woven polyester tape with retro-reflective bands
Slider body out of die casted zinc, puller out of zinc
Top stops and bottom stop - metal



Quality

Lateral strength	> 832 N
Lateral strength after reciprocation	> 749 N
Reciprocation test (durability)	> 3000 cycles
Operating force	< 5 N
Puller pull off strength	> 294 N
Slider locking strength	> 78 N
Lateral strength of bottom stop	> 140 N
Slider against bottom stop	> 176 N

(The quality data represent minimum performance levels)

Main uses

Work wear
Luggage
Outdoor goods

Fastness

		Change	Staining
Washing 40° C	(ISO 105-C06)	4	4
Water	(ISO 105-E01)	4	4
Dry-cleaning	(ISO 105-D01)	4	3...4
Light	(ISO 105-B02)	5	
Rubbing wet	(ISO 105-X12)		3...4
Rubbing dry	(ISO 105-X12)		4

(These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels)

Standards

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