



Ultra M80 CC

Dimensions (approx.)

Chain width:	8 mm
Chain thickness:	3 mm
Single tape widths:	18 mm

Features

Woven polyester tape; available also in 100% cotton for post dyeing,

Chain members from brass; copper, nickel free

Plating/Oxidation finishes: Ultra Gold, Ultra Light Gold, Ultra Silver, Ultra Gun Metal, Ultra Black



Quality

Lateral strength	> 734 N
Lateral strength after reciprocation	> 661 N
Operating force	< 6 N
Reciprocation (durability)	> 500 cycles
Member pull off strength	> 98 N
Member slippage strength	> 88 N

(The quality data represent minimum performance levels)

Main uses

Knitwear
Leather apparel
Hand bags
Luggage
Footwear
Accessories

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



Ultra M80 CE

Dimensions (approx.)

Chain width:	8 mm
Chain thickness:	3 mm
Single tape widths:	18 mm
Length of tape ends:	top: 30±3 mm bottom: 30±3mm

Features

Woven polyester tape;
also available in 100% cotton for post dyeing,

Slider body out of die casted zinc,
puller out of zinc or stamped
brass/steel

Chain members from brass

Plating/Oxidation finishes: Ultra Gold,
Ultra Light Gold, Ultra Silver, Ultra
Gun Metal, Ultra Black

Top stops and bottom stops out of
brass to match chain finish



Quality

Lateral strength	> 734 N
Lateral strength after reciprocation	> 661 N
Operating force	< 6 N
Reciprocation (durability)	> 500 cycles
Pull off strength of puller	> 245 N
Slider locking strength	> 117 N
Slider over top stops	> 147 N
Lateral strength of bottom stop	> 100 N
Slider against bottom stop	> 137 N

(The quality data represent minimum performance levels)

Main uses

Knitwear
Leather apparel
Leather accessories
Footwear
Hand bags
Luggage

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

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



Ultra M80 OE

Dimensions (approx.)

Chain width:	8 mm
Chain thickness:	3 mm
Single tape widths:	18 mm
Length of tape ends:	top: 30±3 mm

Features

Woven polyester tape;
also available in 100% cotton for post dyeing;

Slider body out of die casted zinc,
puller out of zinc or punched steel

Chain members from brass, copper,
nickel free

Plating/Oxidation finishes: Ultra Gold,
Ultra Light Gold, Ultra Silver, Ultra
Gun Metal, Ultra Black

Top stops and bottom stops out of
metal



Quality

Lateral strength	> 734 N
Lateral strength after reciprocation	> 661 N
Operating force	< 6 N
Reciprocation (durability)	> 500 cycles
Pull off strength of puller	> 245 N
Slider locking strength	> 117 N
Slider over top stops	> 147 N
Lateral strength of open end	> 157 N

(The quality data represent minimum performance levels)

Main uses

Knitwear
Outerwear
Leather apparel
Leather accessories

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



Ultra M80 2WOE

Dimensions (approx.)

Chain width:	8 mm
Chain thickness:	3 mm
Single tape widths:	18 mm
Length of tape ends:	top: 30±3 mm

Features

Woven polyester tape;
also available in 100% cotton for post dyeing;

Slider body out of die casted zinc,
puller out of zinc or stamped
brass/steel

Chain members from brass

Plating/Oxidation finishes: Ultra Gold,
Ultra Light Gold, Ultra Silver, Ultra
Gun Metal, Ultra Black

Top stops from brass and bottom
parts from zinc to match chain finish



Quality

Lateral strength	> 734 N
Lateral strength after reciprocation	> 661 N
Operating force	< 6 N
Reciprocation (durability)	> 500 cycles
Pull off strength of puller	> 245 N
Slider locking strength	> 117 N
Slider over top stops	> 147 N
Box pull off strength	> 117 N
Slider over 2way open end	> 120 N

(The quality data represent minimum performance levels)

Main uses

Jackets and coats

Leather apparel

Sportswear

Knitwear

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

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DIN 3416 – 19;	EN71;
Oeko-Tex 100 Class 1	QM System according BS EN ISO 9001:2008



M80 2WCE X-form

Dimensions (approx.)

Chain width:	8 mm
Chain thickness:	3 mm
Single tape widths:	18 mm
Length of tape ends:	top: 30±3 mm bottom: 30±3mm

Features

Woven polyester tape;
also available in 100% cotton for post dyeing; Flame Retardant finish

Slider body out of die casted zinc,
puller out of zinc or stamped
brass/steel

Chain members from brass

Plating/Oxidation finishes: brass,
antique brass, silver, antique silver,
(pls. see plating card)

Top stops from brass



Quality

Lateral strength	> 734 N
Lateral strength after reciprocation	> 661 N
Operating force	< 6 N
Reciprocation (durability)	> 500 cycles
Pull off strength of puller	> 245 N
Slider locking strength	> 117 N
Slider over top stops	> 147 N

(The quality data represent minimum performance levels)

Main uses

Workwear
Overalls
Leather apparel
Leather accessories
Hand bags
Luggage

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

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



Ultra M80 2WCE O-form

Dimensions (approx.)

Chain width:	8 mm
Chain thickness:	3 mm
Single tape widths:	17 mm
Length of tape ends: top:	30±3 mm
	bottom:301±3mm

Features

Woven polyester tape; also available in 100% cotton for post dyeing;

Slider body out of die casted zinc, puller out of zinc or stamped brass/steel

Chain members from brass

Plating/Oxidation finishes: Ultra Gold, Ultra Light Gold, Ultra Silver, Ultra Gun Metal, Ultra Black

Top and bottom stops from brass



Quality

Lateral strength	> 734 N
Lateral strength after reciprocation	> 661 N
Operating force	< 6 N
Reciprocation (durability)	> 500 cycles
Pull off strength of puller	> 245 N
Slider locking strength	> 117 N
Slider over bottom stops	> 137 N
Lateral strength of bottom stop	> 100 N

(The quality data represent minimum performance levels)

Main uses

Leather apparel
Leather accessories
Hand bags
Luggage

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)

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