



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, Flame Retardant (FR) finish |
| Chain members from brass; copper, nickel free |
| Plating/Oxidation finishes: brass, antique brass, silver, antique silver, (pls. see plating card) |



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

| |
|------------------|
| Performance wear |
| Workwear |
| Sportswear |
| Overalls |
| 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 |



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±3 mm |

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 and bottom stops out of
brass to match chain finish

M80 CE



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

Performance wear

Workwear

Sportswear

Overalls

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

| | |
|----------------------|--|
| 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 |



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; Flame Retardant finish |
| Slider body out of die casted zinc, puller out of zinc or punched steel |
| Chain members from brass, copper, nickel free |
| Plating/Oxidation finishes: brass, antique brass, silver, antique silver, (pls. see plating card) |
| 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

| |
|---------------------|
| Performance wear |
| Workwear |
| Knitwear |
| Sportswear |
| Overalls |
| 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; |
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| DIN 3416 – 19; | EN71; |
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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; 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 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

Performance wear

Worwear

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

| | |
|----------------------|--|
| 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 |



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

| | |
|----------------------|--|
| 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 |



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; 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 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

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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