

Firefly M60 Continuous Chain Metal zip (#5)





M60 CC

Dimensions (approx.)

Chain width:	6 mm
Chain thickness:	2,4 mm
Single tape widths:	15 mm

Features

100% Meta-Aramid tape

Chain members from brass

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



Quality

> 538 N
> 485 N
< 4 N
> 500 cycles
> 59 N
> 54 N

(The quality data represent minimum performance levels)

Main uses

Protective clothing

Firefighters suits

Fastness

		Change	Staining	
Washing 60° C	(ISO 105-C06)	4	4	
Water	(ISO 105-E01)	4	4	
Dry-cleaning	(ISO 105-D01)	4	34	
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)

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



Firefly M60 Closed End Metal zip (#5)





M60 CE

Dimensions (approx.)

Chain width:	6 mm
Chain thickness:	2,4 mm
Single tape widths:	15 mm
Length of tape ends:	top: 21±4 mm
	bottom:21±4mm

Features

100% Meta-Aramid tape

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 stops from zinc to match chain finish



Quality

Lateral strength	> 538 N
Lateral strength after reciprocation	> 485 N
Operating force	< 4 N
Reciprocation (durability)	> 500 cycles
Pull off strength of puller	> 245 N
Slider locking strength	> 78 N
Slider over top stops	> 117 N
Lateral strength of bottom stop	> 100 N
Slider against bottom stop	> 108 N

(The quality data represent minimum performance levels)

Main uses

Firefighters suits

Protective clothing

Fastness

		Change	Staining	
Washing 60° C	(ISO 105-C06)	4	4	
Water	(ISO 105-E01)	4	4	
Dry-cleaning	(ISO 105-D01)	4	34	
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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Firefly M60 Open End

Metal zip (#5)





M60 OE

Dimensions (approx.)

Chain width:	6 mm
Chain thickness:	2,4 mm
Single tape widths:	15 mm
Length of tape ends:	top: 21±4 mm

Features

100% Meta-Aramid tape

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	> 538 N
Lateral strength after reciprocation	> 485 N
Operating force	< 4 N
Reciprocation (durability)	> 500 cycles
Pull off strength of puller	> 245 N
Slider locking strength	> 78 N
Slider over top stops	> 117 N
Lateral strength of open end	> 127 N
Box pull off strength	> 98 N

(The quality data represent minimum performance levels)

Main uses

Protective clothing

Firefighters suits

Fastness

		Change	Staining	
Washing 60° C	(ISO 105-C06)	4	4	
Water	(ISO 105-E01)	4	4	
Dry-cleaning	(ISO 105-D01)	4	34	
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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Firefly M60 Two Way Open End

M

Metal zip (#5)



M60 2WOE

Dimensions (approx.)

Chain width:	6 mm
Chain thickness:	2,4 mm
Single tape widths:	15 mm
Length of tape ends:	top: 21±4 mm

Features

100% Meta-Aramid tape

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	> 538 N
Lateral strength after reciprocation	> 485 N
Operating force	< 4 N
Reciprocation (durability)	> 500 cycles
Pull off strength of puller	> 245 N
Slider locking strength	> 78 N
Slider over top stops	> 117 N
Lateral strength of open end	> 127 N
Slider over 2way open end	> 90 N

(The quality data represent minimum performance levels)

Main uses

Protective clothing

Firefighters suits

Fastness

		Change	Staining	
Washing 60° C	(ISO 105-C06)	4	4	
Water	(ISO 105-E01)	4	4	
Dry-cleaning	(ISO 105-D01)	4	34	
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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Firefly M60 Two Way Closed End X-Form



Metal zip (#5)



M60 2WCE X-form

Dimensions (approx.)

Chain width:	6 mm
Chain thickness:	2,4 mm
Single tape widths:	15 mm
Length of tape ends:	top: 21±4 mm
	bottom:21±4mm

Features

100% Meta-Aramid tape

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	> 538 N
Lateral strength after reciprocation	> 485 N
Operating force	< 4 N
Reciprocation (durability)	> 500 cycles
Pull off strength of puller	> 245 N
Slider locking strength	> 78 N
Slider over top stops	> 117 N

(The quality data represent minimum performance levels)

Main uses

Protective clothing

Firefighters suits

Fastness

	Change	Staining
(ISO 105-C06)	4	4
(ISO 105-E01)	4	4
(ISO 105-D01)	4	34
(ISO 105-B02)	5	
(ISO 105-X12)		3 4
(ISO 105-X12)		4
	(ISO 105-E01) (ISO 105-D01) (ISO 105-B02) (ISO 105-X12)	(ISO 105-C06) 4 (ISO 105-E01) 4 (ISO 105-D01) 4 (ISO 105-B02) 5 (ISO 105-X12)

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

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Firefly M60 Two Way Closed End O-Form

M

Metal zip (#5)



M60 2WCE O-form

Dimensions (approx.)

Chain width:	6 mm
Chain thickness:	2,4 mm
Single tape widths:	15 mm
Length of tape ends:	top: 21±4 mm
	bottom:21±4mm

Features

100% Meta-Aramid tape

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	> 538 N
Lateral strength after reciprocation	> 485 N
Operating force	< 4 N
Reciprocation (durability)	> 500 cycles
Pull off strength of puller	> 245 N
Slider locking strength	> 78 N
Slider over bottom stops	> 108 N
Lateral strength of bottom stop	> 100 N
(The quality data represent minimum performance	- levele)

(The quality data represent minimum performance levels)

Main uses Protective clothing

Firefighters suits

Fastness

		Change	Staining	
Washing 60° C	(ISO 105-C06)	4	4	
Water	(ISO 105-E01)	4	4	
Dry-cleaning	(ISO 105-D01)	4	34	
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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