

# Coats® Opti M Rugged™

Coats Opti M Rugged is a zip with durable textile tape, which is colour resistant to harsh wash processes containing bleach.

COATS  
*opti m rugged*



METAL ZIP WITH  
BLEACH FAST TAPE

## WHY CHOOSE OPTI M RUGGED?

- Best bleach fastness – minimum colour change under strong bleaching conditions
- Certified to Öko-Tex Standard 100, class I, the most stringent class covering childrenswear
- Good abrasion resistance for demanding applications
- Chain members from brass
- Plating/Oxidation finishes: brass, antique brass, silver, antique silver, (pls. see plating card)

## MAIN USES:

- Denim
- Jeans
- Outerwear



# Coats Opti M Rugged

## 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

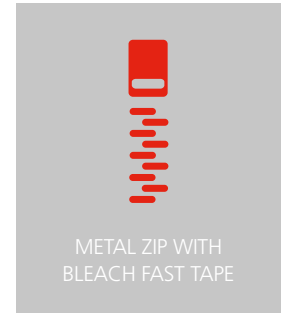
(These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels)

## STANDARDS

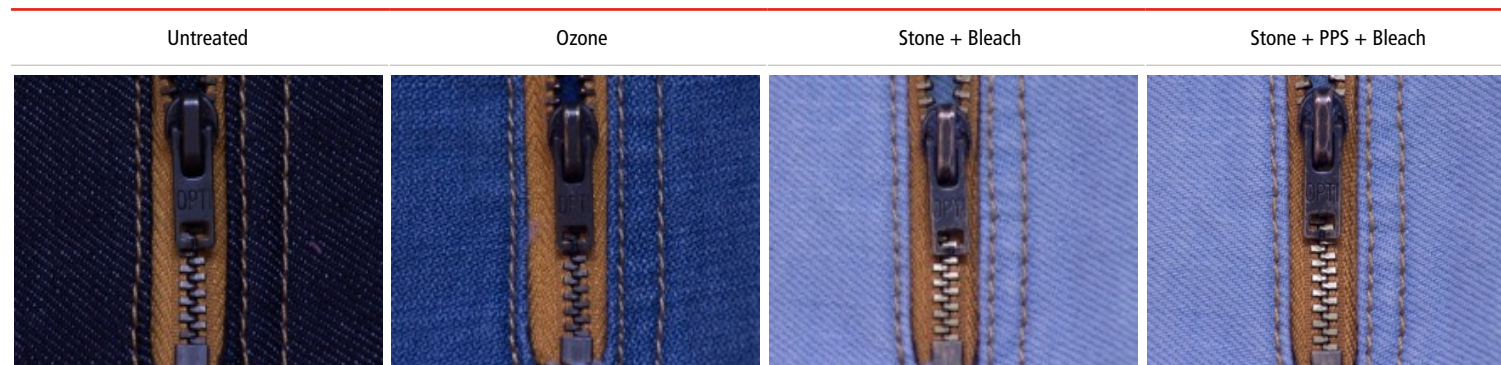
EN 16732 - class B	CPSIA HR4040;
BS 3084:2006;	F963;
DIN 3416 – 19;	EN71;
Oeko-Tex 100 Class 1	QM System according BS EN ISO 9001:2008

### Recommendations

Before proceeding to bulk production, Coats Opti recommends that you run tests and production trials on all zip uses/applications in order to verify that the product meets the end user requirements as well as the demands of internal processing conditions.



## BLEACH FASTNESS PROPERTIES



Domestic washing at 40 °

Dry cleaning standard

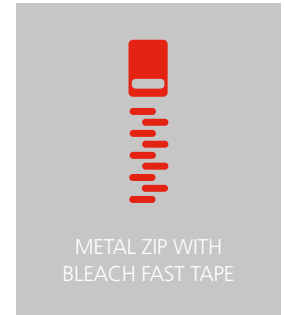
Never iron the zipper directly on the teeth - maximum ironing temperature one point (130-150 °)

# Coats Opti M Rugged



## M4Y/M45: DIMENSIONS (APPROX)

	M4Y/M45 CC	M4Y/M45 CE	M4Y/M45 OE
Chain width	4.5 mm	4.5 mm	4.5 mm
Chain thickness	2 mm	2 mm	2 mm
Single tape widths	13 mm	13 mm	13 mm
Length of tape ends		top: 20±2 mm	top: 20±2 mm
		bottom: 17±2 mm	



## M4Y/M45: FEATURES

	M4Y/M45 CC	M4Y/M45 CE	M4Y/M45 OE
Woven polyester tape; also available in 100% cotton for post dyeing.	X	X	X
Slider body out of die casted zinc, puller out of zinc or stamped brass/steel		X	X
Chain members from brass	X	X	X
Plating/Oxidation finishes: Ultra Gold, Ultra Light Gold, Ultra Silver, Ultra Gun Metal, Ultra Black	X	X	X
Top stops from brass and bottom stops from zinc to match chain finish		X	X

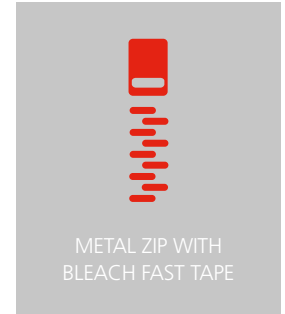


# Coats Opti M Rugged

## M4Y/M45: QUALITY

Attributes	M4Y/M45 CC	M4Y/M45 CE	M4Y/M45 OE
Lateral strength	> 587 N	> 587 N	> 78 N
Lateral strength after reciprocation	> 529 N	> 529 N	> 529 N
Operating force	< 4 N	< 4 N	< 4 N
Reciprocation (durability)	> 500 cycles	> 500 cycles	> 500 cycles
Pull off strength of puller	–	> 196 N	> 196 N
Slider locking strength	–	> 60 N	> 60 N
Slider over top stops	–	> 98 N	> 98 N
Lateral strength of bottom stop	–	> 78 N	> 78 N
Lateral strength of open end	–	–	–
Slider against bottom stop	–	> 78 N	> 78 N

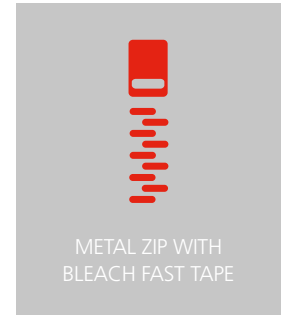
(The quality data represent minimum performance levels)



# Coats Opti M Rugged

## M6Y/M60: DIMENSIONS (APPROX)

	M6Y/M60 CC	M6Y/M60 CE	M6Y/M60 OE	M6Y/M60 2WOE	M6Y/M60 2WCE X-form	M6Y/M60 2WCE O-form
Chain width	6 mm	6 mm	6 mm	6 mm	6 mm	6 mm
Chain thickness	2.5 mm	2.5 mm	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Single tape widths	15 mm	15 mm	15 mm	15 mm	15 mm	15 mm
Length of tape ends		21 ± 4 mm	21 ± 4 mm	21 ± 4 mm	top: 21 ± 4 mm	top: 21 ± 4 mm
					bottom: 21 ± 4 mm	bottom: 21 ± 4 mm



## M6Y/M60: FEATURES

	M6Y/M60 CC	M6Y/M60 CE	M6Y/M60 OE	M6Y/M60 2WOE	M6Y/M60 2WCE X-form	M6Y/M60 2WCE O-form
Woven polyester tape; also available in 100% cotton for post dyeing.	X	X	X	X	X	X
Slider body out of die casted zinc, puller out of zinc or stamped brass/steel		X	X	X	X	X
Chain members from brass	X	X	X	X	X	X
Plating/Oxidation finishes: Ultra Gold, Ultra Light Gold, Ultra Silver, Ultra Gun Metal, Ultra Black	X	X	X	X	X	X
Top stops from brass and bottom stops from zinc to match chain finish		X	X	X	X	X

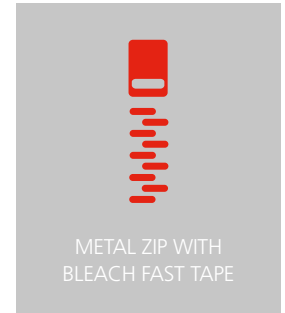


# Coats Opti M Rugged

## M6Y/M60: QUALITY

Attributes	M6Y/M60 CC	M6Y/M60 CE	M6Y/M60 OE	M6Y/M60 2WOE	M6Y/M60 2WCE X-form	M6Y/M60 2WCE O-form
Lateral strength	> 538 N	> 538 N	> 538 N	> 538 N	> 538 N	> 538 N
Lateral strength after reciprocation	> 485 N	> 485 N	> 485 N	> 485 N	> 485 N	> 485 N
Operating force	< 4 N	< 4 N	< 4 N	< 4 N	< 4 N	< 4 N
Reciprocation (durability)	> 500 cycles	> 500 cycles	> 500 cycles	> 500 cycles	> 500 cycles	> 500 cycles
Member pull of strength	> 59 N	> 59 N	> 59 N	> 59 N	> 59 N	> 59 N
Member slippage strength	> 54 N	> 54 N	> 54 N	> 54 N	> 54 N	> 54 N
Pull off strength of puller	–	> 245 N	> 245 N	> 245 N	> 245 N	> 245 N
Slider locking strength	–	> 78 N	> 78 N	> 78 N	> 78 N	> 78 N
Slider over top stops	–	> 117 N	> 117 N	> 117 N	> 117 N	> 108 N
Lateral strength of bottom stop	–	> 100 N	> 127 N	> 127 N	–	> 100 N
Slider against bottom stop	–	> 108 N	–	–	–	–
Box pull off strength	–	–	> 98 N	–	–	–
Slider over 2 way open end				> 90 N		

(The quality data represent minimum performance levels)

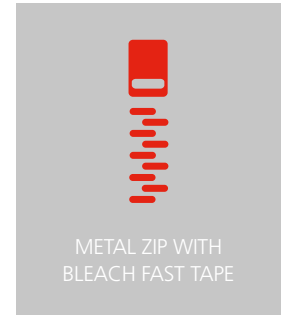


# Coats Opti M Rugged



## M8Y/M80: DIMENSIONS (APPROX)

	M8Y/M80 CC	M8Y/M80 CE	M8Y/M80 OE	M8Y/M80 2WOE	M8Y/M80 2WCE X-form	M8Y/M80 2WCE O-form
Chain width	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm
Chain thickness	3 mm	3 mm	3 mm	3 mm	3 mm	3 mm
Single tape widths	18 mm	18 mm	18 mm	18 mm	18 mm	18 mm
Length of tape ends		top: 30 ± 3 mm bottom: 30 ± 3 mm	top: 30 ± 3 mm	top: 30 ± 3 mm	top: 30 ± 3 mm bottom: 30 ± 3 mm	top: 30 ± 3 mm bottom: 30 ± 3 mm



## M8Y/M80: FEATURES

	M8Y/M80 CC	M8Y/M80 CE	M8Y/M80 OE	M8Y/M80 2WOE	M8Y/M80 2WCE X-form	M8Y/M80 2WCE O-form
Woven polyester tape; also available in 100% cotton for post dyeing.	X	X	X	X	X	X
Slider body out of die casted zinc, puller out of zinc or stamped brass/steel		X	X	X	X	X
Chain members from brass	X	X	X	X	X	X
Plating/Oxidation finishes: Ultra Gold, Ultra Light Gold, Ultra Silver, Ultra Gun Metal, Ultra Black	X	X	X	X	X	X
Top stops from brass and bottom stops from zinc to match chain finish		X	X	X	X	X

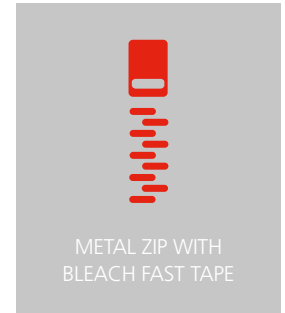


# Coats Opti M Rugged

## M8Y/M80: QUALITY

Attributes	M8Y/M80 CC	M8Y/M80 CE	M8Y/M80 OE	M8Y/M80 2WOE	M8Y/M80 2WCE X-form	M8Y/M80 2WCE O-form
Lateral strength	> 734 N	> 734 N	> 734 N	> 734 N	> 734 N	> 734 N
Lateral strength after reciprocation	> 661 N	> 661 N	> 661 N	> 661 N	> 661 N	> 661 N
Operating force	< 6 N	< 6 N	< 6 N	< 6 N	< 6 N	< 6 N
Reciprocation (durability)	> 500 cycles	> 500 cycles	> 500 cycles	> 500 cycles	> 500 cycles	> 500 cycles
Member pull of strength	> 98 N	> 98 N	> 98 N	> 98 N	> 98 N	> 98 N
Member slippage strength	> 88 N	> 88 N	> 88 N	> 88 N	> 88 N	> 88 N
Pull off strength of puller	–	> 245 N	> 245 N	> 245 N	> 245 N	> 245 N
Slider locking strength	–	> 117 N	> 117 N	> 117 N	> 117 N	> 117 N
Slider over top stops	–	> 147 N	> 147 N	> 147 N	> 147 N	> 147 N
Lateral strength of bottom stop	–	> 100 N	–	–	–	> 100 N
Lateral strength of open end	–	–	> 157 N	–	–	–
Slider against bottom stop	–	> 137 N	–	–	–	–
Box pull of strength	–	–	–	> 117 N	–	–
Slider over 2 way open end	–	–	–	> 120 N	–	–

(The quality data represent minimum performance levels)





# Coats Opti M Rugged

## EXPERT REAL WORLD SUPPORT

The final cost of any product also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



### One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



### Training and Presentations

From product selection to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



### Innovation hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

To drive your hidden costs down, talk to Coats. From product audits in pre-production to the latest technical bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit [coats.com/en/Products/Zips/Opti-S/Opti-M-Rugged](https://coats.com/en/Products/Zips/Opti-S/Opti-M-Rugged)



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BLEACH FAST TAPE

Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products. Information provided is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided. Product information sheets are updated for time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us. © Copyright reserved 2021

