



CJWINTER

ER SERIES

End Rolling Attachments For CNC Threading Applications

Made in the USA

CJWinter® Machine Technologies introduces a new series of American-made end-rolling attachments for thread rolling applications. The CJWinter ER-SERIES of end rolling attachments features innovative design that provides high rigidity for longer tool life and better quality threads, as well as superior thread roll protection.

The CJWinter ER-SERIES Features

One piece front plate enclosures:

- Provides superior roll protection from debris
- Fewer parts, increased rigidity

Carbide bushings as standard equipment on all attachments

Engraved scale allowing thread pitch diameter adjustments on the machine

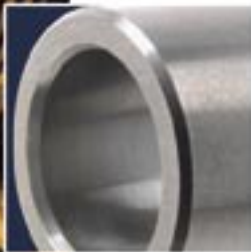
High-strength construction for longer tool life

- Extensive use of tool steel and custom heat treat on wear surfaces
- Special coating on all wear surfaces for smoother operation and extended life
- Cheaper operating costs = more profits for you at no extra charge
- Carbide Bushings replace cumbersome needle bearings

Compact sizes fit virtually any type of machine including CNC turning centers, Swiss, Multi-Spindle, and many others

Shank Sizes (custom shank sizes available)

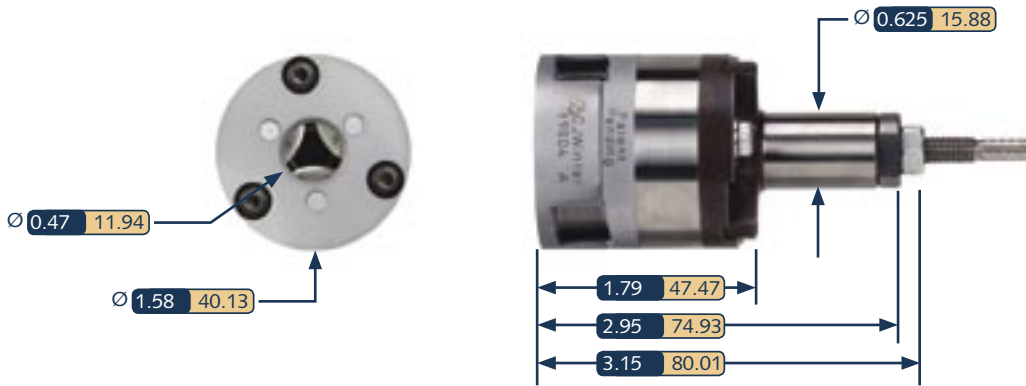
- ER 189: 5/8" & 3/4" Standard Shank
- ER 190: 3/4" Standard Shank
- ER 191: 1" Standard Shank



ER-SERIES Attachments



Model 189



Model 190



Model 191



Thread Roll Information

Model 189

Size	Metric ISO Threads		
	In Stock (Y/N)		
	.6L	1L	2L
M 3.5 x 0.6			
M 4 x 0.75			
M 4 x 0.7			
M 4 x 0.5			
M 4.5 x 0.75			
M 4.5 x 0.5			
M 5 x 0.9			
M 5 x 0.8			
M 5 x 0.75			
M 5.5 x 0.9			
M 5.5 x 0.75			
M 6 x 1			

Size	Unified Threads		
	In Stock (Y/N)		
	.6L	1L	2L
#6 - 40			
#8 - 32			
#8 - 36			
#10 - 24			
#10 - 32			
#12 - 24			
#12 - 28			
#12 - 32			
#1/4 - 20			
#1/4 - 28			
#1/4 - 32			



Key:	Roll Type	Delivery
	Stock	Ship same day
	Standard	Ship in 5-10 working days

* Call for special non-standard thread roll delivery times

Anything short of perfection wouldn't be good enough for our ER-SERIES thread rolls. CJWinter's® world-renown thread roll manufacturing and design techniques provide longer thread life, higher repeatability and less run out. Standard size thread rolls are available for same day delivery and are interchangeable for use with competitive end rolling attachments.

Other features available with the ER-SERIES of end rolling attachments are high-performance coatings to increase product performance and tool life. Application/design review is also available at no charge when you provide a part print or specific roll geometry. Call us for information. You'll appreciate the attention we provide our customers, **every day**, and see the difference in the quality of CJWinter products.

Model 190

Size	Metric ISO Threads		
	In Stock (Y/N)		
	.6L	1L	2L
M 6 X 1			
M 6 X 0.75			
M 7 X 1			
M 7 X 0.75			
M 8 X 1.25			
M 8 X 1			
M 9 X 1.25			
M 9 X 1			
M 10 X 1.5			
M 10 x 1.25			
M 10 X 1			

Size	Unified Threads		
	In Stock (Y/N)		
	.6L	1L	2L
1/4 - 20			
1/4 - 24			
1/4 - 27			
1/4 - 28			
1/4 - 32			
5/16 - 18			
5/16 - 20			
5/16 - 24			
5/16 - 28			
3/8 - 16			
3/8 - 18			
3/8 - 20			
3/8 - 24			
7/16 - 14			
7/16 - 16			
7/16 - 18			
7/16 - 20			
7/16 - 27			

Model 191

Size	Metric ISO Threads		
	In Stock (Y/N)		
	.6L	1L	2L
M 8 X 1.25			
M 8 X 1			
M 8 X 0.75			
M 9 X 1.25			
M 9 X 1			
M 10 X 1.5			
M 10 X 1.25			
M 11 X 1.5			
M 12 X 1.75			
M 12 X 1.5			
M 12 X 1.25			
M 13 X 1.5			
M 14 X 2			
M 14 X 1.5			
M 15 X 1.5			
M 16 X 2			
M 16 X 1.25			

Size	Unified Threads		
	In Stock (Y/N)		
	.6L	1L	2L
5/16 - 18			
5/16 - 24			
5/16 - 28			
3/8 - 16			
3/8 - 24			
7/16 - 14			
7/16 - 16			
7/16 - 20			
1/2 - 13			
1/2 - 16			
1/2 - 18			
1/2 - 20			
9/16 - 12			
9/16 - 14			
9/16 - 16			
9/16 - 18			
5/8 - 11			
5/8 - 12			
5/8 - 16			
5/8 - 18			



THREAD ROLLING SOLUTIONS
1-800-288-ROLL (7655)



Military Supplier Delivers On-Spec, On-Time with New CJWinter® Model 190 End Rolling Attachment.

When your only product is socket set screws and your primary customers are the demanding aerospace and military markets, quality and uptime are paramount. Your multi-spindle machines need to be completely reliable and easily reconfigured to produce a new part at a moment's notice.

That's why Cam-Tech Industries, Inc. of Fairport, New York recently started using CJWinter's Model 190 End Rolling Attachment for their thread rolling applications.

Cam-Tech produces an average of 500,000 set screws a week with diameters ranging from 0.060" to 5/8". The Model 190 allows the company the reliability and flexibility they need to meet and exceed their customers' rigorous expectations.

"CJWinter is able to produce rolls that are consistently on-spec and always work well." Said Rick Vice, Cam-Tech's vice president of manufacturing and quality control. "We were very excited when they developed the 190 head, which we've been using for more than four months without a problem."

CJWinter's new Model 190 head was designed to circumvent two major problems that cause productivity problems for users of other heads, according to Vice.



Rick Vice, left, of Cam-Tech Inc. and Paul Allart, right, of CJ Winter discuss an application in which Rick is using the new Model 190 End Rolling Attachment.

"With some heads, chips can interfere or damage the thread rolls, causing downtime and maintenance problems," he said. "Winter developed a one-piece front plate that protects the thread rolls by keeping chips out allowing our uptime to continue to improve."

"The other major innovation is the carbide bushings as a standard feature; other suppliers charged extra for them. The bushing eliminates the problem of needle bearings wearing unevenly and causing inconsistency in the thread. And, with the single bushing, it is much easier to access when you need to replace them."

Vice also likes the fact that the Model 190 head can easily accommodate other manufacturers' thread rolls. However, Cam-Tech has switched to using CJWinter rolls primarily because of their price, reliability, quality and delivery.

"Whenever we have a challenge, Winter is really willing to work with us," Vice said. "I'd recommend that anyone go to CJWinter first. Their new 190 head has performed flawlessly for us and their responsiveness to our needs is excellent." Their product quality and pricing is also very competitive. I look forward to working with them to achieve our goal – the 'perfect-as-possible' thread."

END ROLLING



PNEUMATIC



THREAD ROLLS



TANGENTIAL



TOOL HOLDERS AND SLIDES



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