

## Recoilless Rivet Hammer

**R**iveting has the potential of causing Cumulative Trauma Disorder and Carpal Tunnel Syndrome, two terms given to the potentially chronic, debilitating condition affecting workers subjected to repetitive motion or vibration. The result can be damage to the median nerve and retinacular ligament causing tingling, numbness and weakness in the fingers, hands and arms.

### *The solution?*



### **The Hi-Shear Recoilless Riveting System**

This system was ergonomically designed to reduce vibration to the hands of the operator by approximately 85%.

### *The benefits are clear.*

The Recoilless Riveting System virtually eliminates the most harmful, low-frequency vibrations and can be safely operated over the full workday, without sacrificing tool power, efficiency or reliability. This is a tremendous improvement over the 16 minutes per day of safe use provided by the standard 4" stroke riveter.\* Operator fatigue is also reduced, helping to prevent the likelihood of workplace injury.

Le rivetage peut causer des affections traumatiques dues aux mouvements répétitifs et des syndromes métacarpiens, deux termes correspondant à la condition potentiellement chronique et débilitante affectant les travailleurs qui effectuent des mouvements répétitifs ou soumis à des vibrations.

Il peut en résulter un endommagement du nerf médian et du ligament rétinaculaire, ce qui provoque des picotements, des pertes de sensatio et une faiblesse dans les goigts, les mains et les bras.

### *La solution?*

*Le dispositif de rivetage sans recul ultraléger Hi-Shear.*

Ce dispositif a été conçu de manière ergonomique afin de réduire d'environ 85% les vibratoins des mains de l'utilisateur.

### *Les avantages sont évidents.*

Le dispositif de rivetage sans recul élimine pratiquement les vibrations de basse fréquence les plus dangereuses et peut être utilisé en toute sécurité pendant toute la journée de travail. sans sacrifier la puissance, l'efficacité ni la fiabilité de l'outil. Ceci représente une amélioration remarquable par rapport aux 16 minutes quotidiennes d'utilisation sûre d'une riveteuse standard de 10 cm de course. La fatigue de l'opérateur est également moindre, ce qui diminue la probabilité d'un accident du travail.



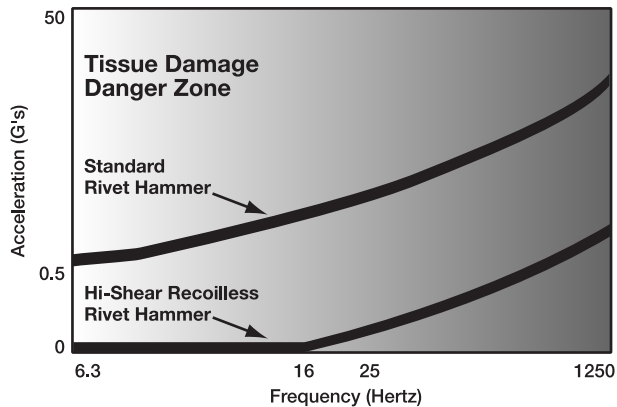
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\*In accordance with the International Organization for Standardization ISO 5349-1986 (E).

# Specifications

## RECOILLESS RIVET HAMMER



Extensive international research has indicated that low-frequency vibrations (6.3 to 16Hz) are the most damaging to human tissues. As can be seen on the graph, the Hi Shear Recoilless Riveting Hammers virtually eliminate the vibration in this critical zone.

This graph illustrates test results of the Hi Shear Recoilless Riveting Hammer vibration as compared to that of a standard rivet hammer of the same capacity. The test fixture was carefully designed to simulate jobsite conditions.

### Features

- adjustable power throttle allows usage in multiple rivet capacities
- adjustable dampening mechanism for personalized operator comfort
- ergonomic handle for further operator comfort
- uses standard shank rivet sets
- adaptable to all types of retainers
- OSHA-approved push-to-start or trigger-start operation
- Bucking Bar features easy-grip handle, and quick change of any standard dollies

### Steel Cylinder Recoilless Hammers

Model	Order No.		Rated Rivet Capacity				Stroke		Length		Weight		Blows/Min	Shank Size	Recommended Bucking Bar
	Push-To-Start	Trigger Start	Steel (Mild)		Aluminum		inches	mm	inches	mm	pounds	Kg.			
LSRR-300-S	16279	16227	3/16	4.8	1/4	6.4	3	76.2	8-5/16	211	3.5	1.6	2000	.401	LSRB-1234
LSRR-400-S	9558	9633	1/4	6.4	3/8	9.5	4	102	8-1/2	216	3.6	1.6	1725	.401	LSRB-1234
LSRR-600-S	16778	16779	5/16	8.0	3/8	9.5	6	152	10.5	266	6-3/4	3.0	1350	.498	LSRB-5678
LSRR-800-S	16718	16729	7/16	11.1	1/2	12.8	8	203	13.0	330	8-1/4	3.6	1050	.498	LSRB-5678

### Aluminum Cylinder Recoilless Hammers

Model	Order No.		Rated Rivet Capacity				Stroke		Length		Weight		Blows/Min	Shank Size	Recommended Bucking Bar
	Push-To-Start	Trigger Start	Steel (Mild)		Aluminum		inches	mm	inches	mm	pounds	Kg.			
LSRR-100-A	17100	17101	1/8	3.2	1/8	3.2	1-7/8	47.7	6-3/4	171	2.7	1.1	3350	.401	LSRB-1234
LSRR-200-A	17200	17201	5/32	4.0	3/16	4.8	2-5/16	58.8	7-9/16	192	2.8	1.2	3000	.401	LSRB-1234
LSRR-300-A	17300	17301	3/16	4.8	1/4	6.4	3	76.2	8-3/16	211	3.0	1.3	2000	.401	LSRB-1234
LSRR-400-A	17400	17401	1/4	6.4	5/16	8.0	4	102	8-1/2	216	3.1	1.35	1725	.401	LSRB-1234
LSRR-600-A	17600	17601	5/16	8.0	3/8	9.5	6	152	10.5	266	3.7	1.6	1350	.498	LSRB-5678
LSRR-700-A	17700	17701	3/8	9.5	7/16	11.1	7	178	12.0	305	3.9	1.7	1125	.498	LSRB-5678

### Bucking Bar

Model	Order No.	Length		Diameter		Weight	
		inches	mm	inches	mm	pounds	Kg.
LSRB-1234	17143	7.25	184.2	2.0	50.8	4.2	1.9
LSRB-5678	17253	10.0	254	2.6	66.0	7.5	3.4



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