

REACTION LOCK WASHERS

Reaction arm free bolting

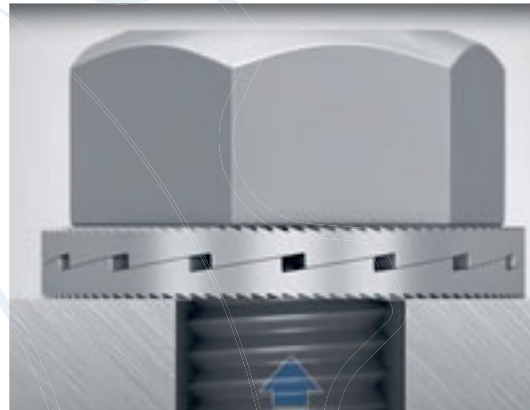
The Reaction Lock Washer is a dual-washer wedge lock system which prevents bolt loosening and avoids the use of a reaction arm during bolting of high torque fasteners with RAD Torque Wrenches.

HOW IT WORKS

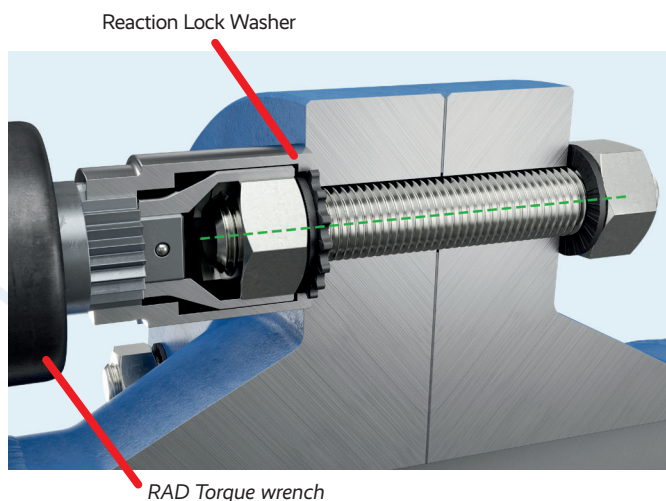
The reaction forces generated by high torque tools are normally countered with reaction arms. This is not necessary with the new Reaction Lock Washer system. Due to the special dual socket that interlocks with the serpentine-shaped outer contour of the Reaction Lock Washer, the tightening torque is introduced axially on the bolt during tightening. During this process, the washers' grooves grip the surface underneath and allows the reaction forces to be transferred through the socket's outer casing. At the same time, it offers an effective and permanent protection against self-loosening due to vibration and dynamic loads that can occur in machines and systems during operation.

ADVANTAGES

- Quick and Easy! No need for additional reaction arms.
- Ideally suited for tight spaces.
- Increases operator safety: No moving parts, prevents finger pinching injuries.
- Easy and quick: Reaction Lock Washers are already glued in pairs.
- Precise tightening due to low friction coefficient variation.
- Permanent protection against self-loosening of the bolt or nut because of dual-ring wedge-lock system.
- Reaction sockets adapted to easily fit most RAD torque wrenches.
- Can still be loosened with traditional tools with reaction arm.
- Can be used on most RAD Torque wrenches up to 8.000 Nm.



HEICO-LOCK® prevents self-loosening.



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RAD Reaction Sockets				Reaction Lock Washers
Prod.No.	Model	A/F	Drive size	Model
222660	RRS 275 - A/F 22MM - SD ¾"	22MM	¾"	Expected soon
222661	RRS 275 - A/F 24MM - SD ¾"	24MM	¾"	RRW M16
222662	RRS 700 - 1400 - A/F 24MM - SD ¾"	24MM	¾"	RRW M16
222663	RRS 700 - 1400 - A/F 27MM - SD ¾"	27MM	¾"	Expected soon
222664	RRS 700 - 1400 - A/F 30MM - SD ¾"	30MM	¾"	RRW M20
222665	RRS 700 - 1400 - A/F 36MM - SD ¾"	36MM	¾"	RRW M24
222666	RRS 700 - 1400 - A/F 41MM - SD ¾"	41MM	¾"	RRW M27
222667	RRS 700 - 1400 - A/F 46MM - SD ¾"	46MM	¾"	RRW M30
222668	RRS 2000 - A/F 46MM - SD 1"	46MM	1"	RRW M30
222669	RRS 2000 - A/F 50MM - SD 1"	50MM	1"	Expected soon
222670	RRS 2000 - A/F 55MM - SD 1"	55MM	1"	RRW M36
222671	RRS 4000 - A/F 50MM - SD 1"	50MM	1"	Expected soon
222672	RRS 4000 - A/F 55MM - SD 1"	55MM	1"	RRW M36
222673	RRS 4000 - A/F 60MM - SD 1"	60MM	1"	Expected soon
222674	RRS 4000 - A/F 65MM - SD 1"	65MM	1"	RRW M42
222675	RRS 7000 - A/F 55MM - SD 1½"	55MM	1½"	RRW M36
222676	RRS 7000 - A/F 60MM - SD 1½"	60MM	1½"	Expected soon
222677	RRS 7000 - A/F 65MM - SD 1½"	65MM	1½"	RRW M42
222678	RRS 7000 - A/F 70MM - SD 1½"	70MM	1½"	RRW M45
222679	RRS 8000 - A/F 60MM - SD 1½"	60MM	1½"	Expected soon
222680	RRS 8000 - A/F 65MM - SD 1½"	65MM	1½"	RRW M42
222681	RRS 8000 - A/F 70MM - SD 1½"	70MM	1½"	RRW M45
222682	RRS 8000 - A/F 75MM - SD 1½"	75MM	1½"	RRW M48
222683	RRS 8000 - A/F 80MM - SD 1½"	80MM	1½"	Expected soon

TECHNICAL DATA

- Anti-loosening device based on the HEICO-LOCK®.
- Wedge Locking System certified according to DIN 25201.
- Material: 1.1191 (C45E) with black zinc flake coating (flZnnc)
- Hardness: 485±25 HV 0,3.
- Corrosion resistance: min.1,000 h in NSS-test according to ISO 9227.
- Suitable for high-strength bolts and nuts up to strength class 12.9 or 12.
- Bending moment and reaction arm free tightening method
- Available dimensions: M16 - M48 (5/8" - 1 ¾")
- Special sizes, materials and coatings available on request

