

RESTORE THREADS. EXTEND COMPONENT LIFE.

Damaged threads don't always require replacement. STEMCO® ReSpec is the world's only patented thread repair technology that restores damaged internal and external threads with precision, preserving original components while helping reduce downtime and replacement costs.



DON'T REPLACE, REPAIR

Damaged threads on critical components can result in costly replacements, extended downtime, and unnecessary maintenance expense. Applications such as axle spindles, drive pinions, and steering knuckle bores are just a few examples where ReSpec's safe and efficient thread restoration process can restore damaged threads and return components to service quickly.

ONE TOOL, ALL THREADS

Compatible with metric, imperial, fine, and coarse thread types, each tool covers an extensive diameter range, providing exceptional versatility with fewer tools.

The innovative RSK-70I also enables the restoration of internal steering knuckle bore threads, solving repair challenges that were previously difficult or impossible to address.

PROVEN PERFORMANCE

Independent testing by the Material Testing Institute Hanover, Germany (MPA) confirms ReSpec-repaired threads withstand the same static and dynamic loads as new threads, and often deliver even greater fatigue endurance.

BUILT TO LAST

Unlike traditional thread repair methods that remove material, ReSpec uses a cold-forming thread rolling process on the thread surface, increasing durability and resistance to future wear.

ENGINEERED TO THE HIGHEST STANDARDS

Precision manufacturing, premium materials, and rigorous quality assurance ensure reliable, repeatable repairs every time.





RSK-60X External Thread Repair Kit

Featuring the RST-60X tool, this kit repairs external threads with diameters from 10–60 mm (3/8"–2.375") and pitches from 0.5–4.0 mm (32–6 TPI). Includes RST-60X tool, 4 sets of rollers (12 TPI, 16 TPI, 18 TPI and 1.5mm), thread gauge, RSSR22-1.5X, and injection-molded carrying case.



RSK-120X External Thread Repair Kit

Featuring the RST-120X tool, this kit repairs larger external threads with diameters from 50–120 mm (2"–4.75") and pitches from 0.5–3.0 mm (32–9 TPI). Includes RST-120X tool, 4 sets of rollers (12 TPI, 16 TPI, 2.0mm and 1.5mm), thread gauge, RSSR22-1.5X, and injection-molded carrying case.



RSK-70I Internal Thread Repair Kit

Featuring the RST-70I tool, this kit repairs internal threads with diameters from 50–70 mm (2"–2.75") and pitches from 20–12 TPI. Includes RST-70I tool, 3 set of rollers (12 TPI, 16 TPI and 20 TPI) and injection-molded carrying case.



RSSR22-1.5X External Thread Repair Tool

Designed for M22 x 1.5 external threads, this partially hardened stainless steel tool features a 50 mm (2") maximum radius of action and weighs 123 g (0.27 lbs). Includes RSSR22-1.5X tool, allen key, and plastic case with sleeve.

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