

MKII™ SPEARHEAD

Safety First

Boart Longyear's spearhead assembly has been redesigned for safer and more efficient inner tube assembly handling, resulting in increased productivity and precise compatibility with all Q™ wireline head assemblies. Building on the proven technology of the pivoting spearhead design, the patented MKII™ Spearhead is 70% stronger and provides the safest inner tube handling for drillers.

Strong Platform

The new MKII Spearhead Assembly consists of a redesigned spearpoint and spearhead body for added strength and safety. It also features self-lubricating nylon to reduce wear, self-centering spearpoint with multiple detent positions, and an innovative design to eliminate pinch points.

Q™ Wireline Compatibility

Since the introduction of the wireline core retrieval system in 1958, the Boart Longyear design engineering team has continued to refine the initial system resulting in the launch of the industry-standard patented Q wireline system in 1966. The MKII Spearhead continues to build on Boart Longyear's legacy of innovative drilling technology and offers precise compatibility with all Q head assemblies.

U.S. Patents D622,694; D622,741; D624,564; D622,293; Patents Pending



BOART LONGYEAR™

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To learn how an MKII Spearhead Assembly improves productivity, safety and performance on your site, contact your local Boart Longyear sales representative or visit www.boartlongyear.com.

GLOBAL DRILLING PRODUCTS

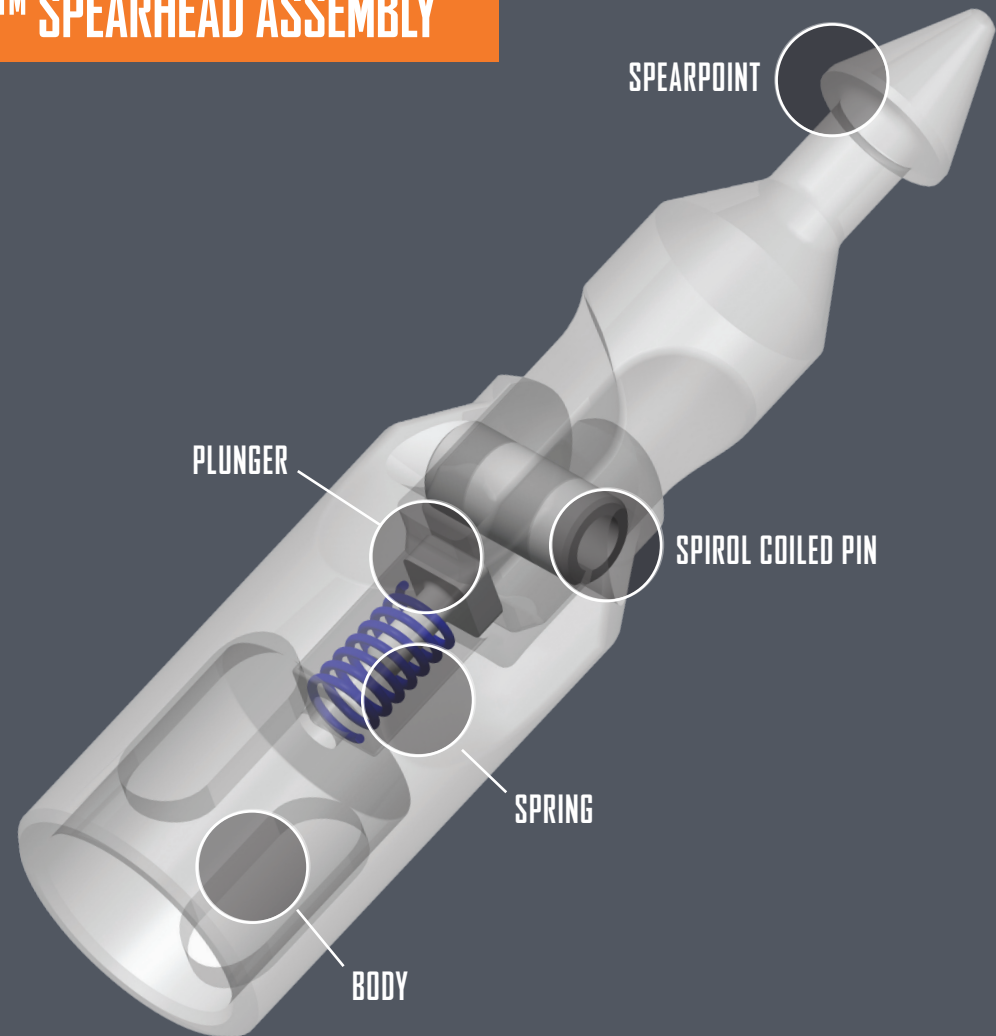


MKII™ SPEARHEAD

Q™ Wireline Head Assembly - Spearhead Redesign



MKII™ SPEARHEAD ASSEMBLY



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NEW PARTS CROSS-REFERENCE

	Old Spearhead	New MKII™ Spearhead
Spearhead ASM	N/A	5003201
Spearpoint	42981	5003196
Spring	28321	5003191
Plunger	42982	3547002
Spearhead Body	3544134	5003198
Spirol Pin	24225	5003199
	Old Spearhead	New MKII™ Spearhead
Spearhead ASM	N/A	5003200
Spearpoint	42913	3547000
Spring	15141	5003191
Plunger	42914	3547002
Spearhead Body	3544135	5003194
Spirol Pin	42905	5003192
	Old Spearhead	New MKII™ Spearhead
Spearhead ASM	N/A	5003190
Spearpoint	42913	3547000
Spring	15141	5003191
Plunger	42914	3547002
Spearhead Body	3544136	3547004
Spirol Pin	42905	5003192
	Old Spearhead	New MKII™ Spearhead
Spearhead ASM	N/A	5003195
Spearpoint	42913	3547000
Spring	15141	5003191
Plunger	42914	3547002
Spearhead Body	3540330	5003193
Spirol Pin	42905	5003192

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- 1. SELF-LUBRICATED NYLON PLUNGER**
 Significantly reduces wear and corrosion, improving ease of maintenance.
- 2. INNOVATIVE DESIGN**
 Unique design maintains Q™ wireline compatibility while eliminating pivot pinch point.
- 3. BALANCED MATERIAL DESIGN**
 Optimized design is 70% stronger in pull, and 50% stronger in bending, preventing deformation from overload or "off-pivot loading."
- 4. SELF-CENTERING SPEARPOINT**
 Multiple 'self-centering' pivot detent positions.