

ROLLER LATCH™ UNDERGROUND HEAD ASSEMBLY

Product Overview





ROLLER LATCH™ U/G HEAD ASSEMBLY

Roller Latch™

Boart Longyear introduces Roller Latch™ technology on Quick Pump-In™ Head Assemblies for underground applications. This revolutionary design offers an improved alternative to the conventional link latch mechanism, featuring rolling latches that allow greater pump-in speed and lead to increased productivity.

Safe & Efficient Operations

Roller Latch underground head assemblies utilize large ball bearings for reliable latching and hold-back braking to retain inner tube assemblies in the drill string for safer operations. The new head assemblies incorporate the MKII[™] spearhead for added strength and safety. NQU[™] and HQU[™] Quick Pump-In Roller Latch underground head assemblies are equipped with new variable lip pump-in seals that are compatible with V-Wall[™] drill rods, offering all the advantages of lightweight V-Wall rods in underground coring applications.

Longer Life

Roller Latch life is superior to conventional latches because Roller Latches eliminate drag and deploy and retract radially, without swinging like conventional pinned latch mechanisms. Excessive wear due to loose fit and slippage is eliminated and Roller Latches simply drop back into position upon wireline retraction.

Improved Design

Roller Latch underground head assemblies are optimized for fluid flow and utilize corrosion and wear-resistant components to ensure smooth and reliable functionality. The new Roller Latch locking coupling connects the drill string directly to the outer-tube, locking Roller Latches and rotating the head assembly with the rod string. This eliminates the need for any adapter coupling, drive key, or tang feature. Locking couplings for Roller Latch are available in both full-hole or stabilized carbide styles.



Genuine Q™ Wireline System

The new Roller Latch head assemblies are an integrated part of Boart Longyear's genuine Q™ wireline system. The Roller Latch system retains the Quick Pump-In valve and positive latch indication, but eliminates the need for O-rings leading to faster pump-in speeds. Underground Roller Latch head assemblies are available in AQTK, BQ, BQTK, NQ, NQTK, HQ sizes and are an integral part of the genuine Q™ wireline system, including current underground overshots.

LEGACY OF INNOVATION

Boart Longyear's global drilling services and applied product development have established products that define the industry-standard while forging next-generation technology and practices. For over 120 years, we have led the industry in new product development, productivity, and safety.

Boart Longyear boasts a history of leading product technology in core retrieval and wireline systems. In 1958, Boart Longyear introduced the wireline core retrieval system, becoming the first diamond drilling exploration product manufacturer to offer this system. The wireline retrieval system increased productivity on the worksite and made deep-hole operations more efficient and retrieving core from the bottom of the hole safer. Since the introduction of the wireline core retrieval system, the Boart Longyear design and engineering team has continued to refine the initial system resulting in the launch of the industry-standard patented Q wireline system in 1966.

The Roller Latch underground head assembly continues to build on Boart Longyear's legacy of innovative drilling technology and offers precise compatibility with all genuine Q underground wireline systems. Today, Boart Longyear remains dedicated to the development of in-hole tools and wireline technology and maintaining a culture of innovation and safety. Our design and engineering team are dedicated to inventing the next technology that enable customers to maximize productivity.



Global Headquarters

Boart Longyear
10808 South River Front Parkway
Suite 600
South Jordan, Utah 84095
United States of America
info@boartlongyear.com

Tel: +1 801 972 6430 Fax: +1 801 977 3374

Latin America

Boart Longyear Portal Riesco Av. El Salto 4001, Huechuraba Santiago, Chile 858 0641 infochile@boartlongyear.com

Tel: +56 2 595 3300 Fax: +51 242 671

Canada

Boart Longyear 2442 South Sheridan Way Mississauga, Ontario Canada L5J 2M7 info@boartlongyear.com

Tel: +1 905 822-7922 Fax: +1 905 822-7232

Europe

Boart Longyear 12 Avenue des Morgines CH1213 Petit-Lancy, Geneva, Switzerland infoEU@boartlongyear.com

Tel: +41 22 709 0800 Fax: +41 22 709 0801

Asia Pacific

Boart Longyear 26 Butler Boulevard Adelaide, 5950 Australia infoAP@boartlongyear.com

Tel: +61 8 8375 8375 Fax: +61 8 8375 8497

Sub-Saharan Africa

Boart Longyear Cycad House, Constantia Office Park Cnr 14th Avenue and Hendrik Potgieter Weltevreden Park, 1709 Gauteng, South Africa infosa@boartlongyear.com

Tel: +27 11 767 9300 Fax: +27 11 767 9301

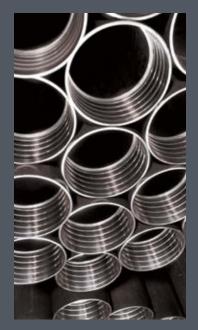
MINING AND EXPLORATION DRILLING PRODUCTS



Diamond Coring Rigs



Diamond Coring Bits



Rods and Casing