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EXPLORATION DRILLING CASING RODS

Reliable borehole support for mineral exploration and diamond core drilling

PRODUCT OVERVIEW

Exploration drilling casing rods (casing tubes) support and stabilise the borehole through overburden and unconsolidated formations, help to seat the outer drill string into bedrock and work with casing shoes for advancing casing. Designed for mineral exploration and diamond core drilling in a variety of ground conditions.

PRODUCT FAMILIES

W THREAD CASING

- Standard W-series casing system
- Available in AW, BW, NW, HW, PW
- Robust and reliable threaded connection
- Suitable for most exploration and core drilling applications

WT / HEAVY-DUTY THREAD CASING

- Reinforced thread design for demanding conditions
- Higher wall thickness options
- Reusable configurations available
- Suitable for driving, jaring and casing advancement

STANDARD W-THREAD CASING DIMENSIONS (REFERENCE)

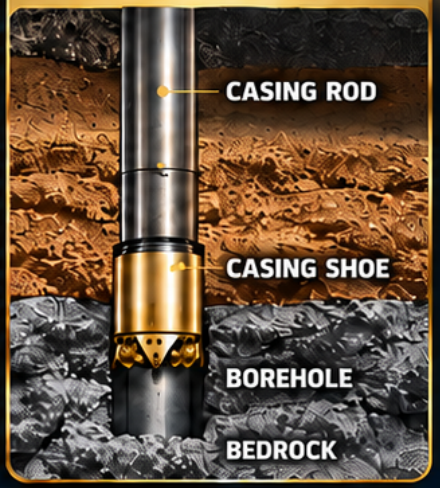
Size	Outside Diameter (OD)	Inside Diameter (ID)	Weight per 3 m (kg)
BW	73.0 mm	60.3 mm	31.3 kg
NW	88.9 mm	76.2 mm	38.4 kg
HW	114.3 mm	101.6 mm	52.2 kg
PW	139.7 mm	127.0 mm	64.3 kg

Reference dimensions shown for standard W-thread casing; confirm final specification against drill system and project requirements.

KEY FEATURES

- Strong threaded joints
- Reusable configurations available
- Nesting across standard W-series sizes
- Durable steel construction
- Suitable for driving, jarring and casing advancement
- Compatible with casing shoes

TYPICAL APPLICATION



AVAILABLE LENGTHS

Standard metric lengths: 1.0 m, 1.5 m and 3.0 m
(Availability depends on size and system).

APPLICATIONS

Roof Support Drilling

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JOHNEX RODS

19 x 22 mm Hex Drill Steels for Underground Drilling

Threaded • Taper • Vacuum / Dry Drilling

11° THREADED JOHNEX ROD

For use with 2-prong threaded drill bits

- 19 x 22 mm hex steel
- 11 degree threaded connection
- 60 mm collar
- Designed for secure bit engagement and efficient torque transfer
- Suitable for underground development and production drilling

TAPER JOHNEX ROD

For use with knock-off / taper drill bits

- 19 x 22 mm hex steel
- Tapered bit connection
- 60 mm collar
- Easy knock-off bit removal
- Robust configuration for repetitive underground drilling

VACUUM HEX ROD

For dry drilling / vacuum drilling applications

- Hex rod configuration for dry drilling
- Internal passage for dust extraction / vacuum airflow
- Compatible with vacuum / dry drill-bit systems
- Designed to help remove cuttings and dust from the bore during drilling

AVAILABLE LENGTHS & COLLAR IDENTIFICATION

Colour coding can be matched to the mine's approved length schedule.

Available rod lengths: 1.0 m to 3.4 m, depending on application and mine requirement.

WHITE	BLUE	GREEN	RED	PINK

APPLICATIONS

Roof Support Drilling

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TOP HAMMER DRILLING TOOLS

DRIFTING RODS

Reliable energy transfer for tunnelling, drifting, face drilling and bolting applications



R & T THREAD SYSTEMS
Hex / Round | MM / MF

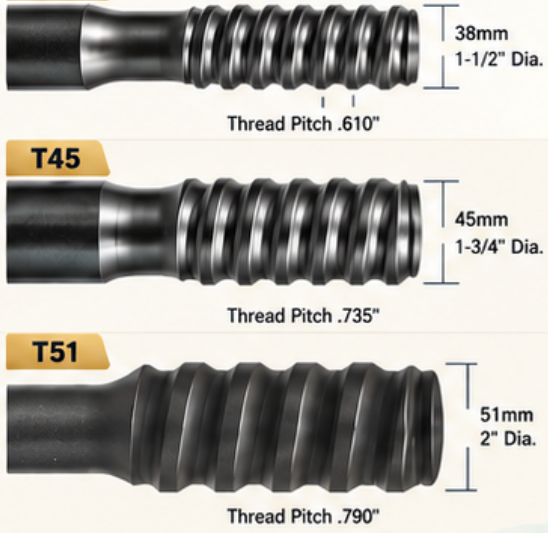
THREAD & HEX-ROD REFERENCE

Reference illustration supplied by client; final dimensions depend on drill system.

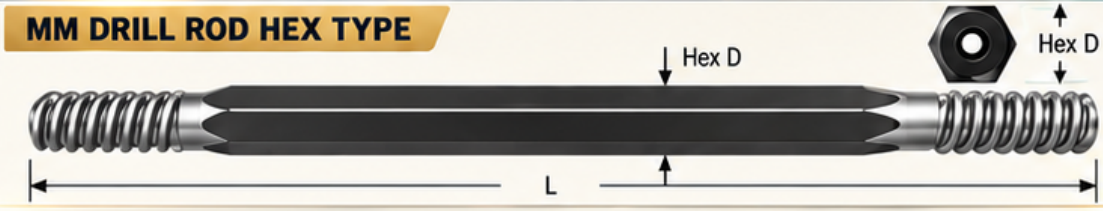
"R" THREAD (BUTTON BIT)



"T" THREAD (BUTTON BIT)



MM DRILL ROD HEX TYPE



DRILL STRING CONNECTION

SHANK ADAPTER → DRIFTING ROD → BUTTON BIT

PRODUCT OVERVIEW

Drifting rods form the mechanical link between the rock drill and the bit. They are engineered to transfer impact energy and rotation efficiently while providing an internal passage for air or water flushing. Industry configurations include hexagonal or round bodies with male-male (MM) or male-female (MF) ends.

TECHNICAL RANGE

Applications	Drifting, tunnelling, face drilling, bolting, benching & long-hole drilling
Thread systems	R25, R28, R32, R38, T38, T45, T51
Rod body	Typical: Hex 25 / 28 / 32 / 35 mm; Round 32 / 39 / 46 / 52 mm
End forms	MM (male-male) or MF (male-female / speed rod)
Length	Industry range up to 6.4 m; common drifter lengths approx. 3.09-5.53 m
Heat treatment	Carburized / case-hardened surfaces for wear and fatigue resistance
Flushing	Central internal air / water passage; bore selected to system

SPECIFY THESE 6 ITEMS WHEN ORDERING

1. Drill / drifter model & shank-end thread
2. Bit thread & target hole diameter
3. Rod body: hex or round section
4. Overall / effective rod length
5. MM or MF end configuration
6. Air or water flushing requirement



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Technical references: GMD Equipment, Robit, Boart Longyear & Sandvik. Confirm final specification against drill model before order.