

PRODUCT DATA SHEET

Barrel Reamer for HDD

Heavy-duty back reamer for enlarging pilot bores in horizontal directional drilling



DESCRIPTION

The barrel reamer is a conical, fully welded reaming tool used to enlarge the pilot hole to the required diameter before or while the product pipe is pulled back. Its barrel profile with staggered cutter rows cuts, mixes and clears spoil while keeping the tool centred in the bore, giving a smooth, stable hole in a wide range of ground conditions.

KEY FEATURES

- Barrel profile with rows of replaceable cutting picks for efficient, even cutting
- Strong alloy-steel body with hard-faced wear bands for long service life
- Multiple fluid jets for good cuttings suspension and bore stability
- Pin / box connections to suit standard HDD drill rods; custom threads available
- Cutter type and pattern can be matched to soil, gravel or rock
- Sizes from 12" to 60" and above, built to order

TECHNICAL SPECIFICATIONS

Tool type	Barrel reamer (back reamer) for horizontal directional drilling
Reaming diameter range	300 – 1,500 mm (12" – 60"); custom sizes on request
Body shape	Conical / barrel profile with staggered cutter rows and wear bands
Body material	High-strength alloy steel, heat-treated
Cutting structure	Replaceable carbide-tipped picks / teeth in welded holders (soft to medium ground); roller or TCI cutters optional for hard rock
Fluid system	Multiple jetting nozzles, replaceable; internal flow bore to drill-string connection
Connections	API-type pin / box threads, both ends, to match drill rod (e.g. 2-3/8" – 6-5/8" REG); swivel or pull-head adapters available
Surface protection	Hard-facing on wear zones; painted finish
Typical ground conditions	Clay, sand, gravel, cobble, weathered to medium-hard rock
Typical use	Pre-reaming and back-reaming pilot bores for pipeline, duct and cable installation

Weight	Approx. 80 – 1,800 kg depending on diameter
Packaging	Strapped on wooden pallet or crate, export-ready

STANDARD SIZES (INDICATIVE)

Model	Diameter (mm / in)	Length (mm)	Weight (kg)	Connection
BR-300	300 / 12	900	80	2-3/8" REG
BR-450	450 / 18	1,100	180	3-1/2" REG
BR-600	600 / 24	1,300	320	4-1/2" REG
BR-800	800 / 32	1,550	600	5-1/2" REG
BR-1000	1,000 / 40	1,800	950	6-5/8" REG
BR-1200	1,200 / 48	2,000	1,400	6-5/8" REG

Dimensions and weights are approximate and vary with cutter layout and connection. Custom diameters and threads are available on request.

ORDERING INFORMATION

When ordering, please state: reaming diameter, ground conditions, drill rod thread type, drilling rig thrust / pullback capacity, and preferred cutter type.