

# Geological exploration drill pipes - GOST 7909-76

Application: geological exploration drilling

## Pipe dimensions and weight

Outside diameter, mm	Wall thickness, mm	Theoretical weight, kg	
		per meter of plain end pipe	increase of weight due to upsetting
42	5.0	4.56	0.65
50	5.5	6.04	0.96
63.5	6.0	8.51	1.57

Pipes are produced with internally upset ends with right-hand or left-hand thread.

## Tolerances

Outside diameter, mm	Outside diameter permissible deviation, mm	Wall thickness, mm	Wall thickness permissible deviation, mm
42	±0.45	5.0	+ 0.6 - 0.5
50	±0.45	5.5	+ 0.66 - 0.55
63.5	±0.65	6.0	+ 0.72 - 0.6

## Length supplied

- OD 42 and 50 mm - 3.0 or 4.5 meters
- OD 63.5 m - 3.0; 4.5; 6.0 meters

## Mechanical properties of steel

Grade	Tensile strength, N/mm <sup>2</sup> (kgf/mm <sup>2</sup> ), not less than	Yield limit, N/mm <sup>2</sup> (kgf/mm <sup>2</sup> ), not less than	Elongation, %, not less than
K	686 (70)	490 (50)	12

# Nipple joint drill pipes - GOST 8467-83

Application: drilling expendable wells for mineral deposits

## Pipe dimensions and weight

Outside diameter, mm	Wall thickness, mm	Weight per meter, kg
42	4.5	4.16
54	4.5	5.49
68	4.5	7.05

Pipes are produced with right-hand or left-hand thread.

## Tolerances

Outside diameter, mm	Outside diameter permissible deviation, mm	Wall thickness, mm	Wall thickness permissible deviation, mm
42	±0.20	4.5	+0.75
54	±0.25		
68	±0.30		

## Lengths supplied

- multiple 1.5 m:
- OD 42 mm - 3.0; 4.5 meters
- OD 54 and 68 mm - 3.0; 4.5; 6.0 meters

## Mechanical properties of steel

Grade	Tensile strength, N/mm <sup>2</sup> (kgf/mm <sup>2</sup> ), not less than	Yield strength, N/mm <sup>2</sup> (kgf/mm <sup>2</sup> ), not less than	Elongation, %, not less than
K	687 (70)	490 (50)	12
E	735 (75)	539 (55)	12

## Protection

- black and bare
- external varnished with black lacquer

## Marking

Pipes are supplied with marking according to standard and customer request.

## Delivery

Weight of bundle - up to 5000 kg upon request of customer