

Technical proposal

BKK-R1 Composite column shoe

BKK-R1 Composite column shoe are designed for equipping the bottom of casing strings consisting of pipes in accordance with GOST 632-80, GOST 633-80, as well as strings consisting of smooth insert joint casings in order to direct them along the wellbore and protect them from damage during descent while fastening the oil and gas wells at the face temperature of +160 °C.



Pic.1 BKK-R1 Composite column shoe

Typesize	Parameter name					
	Nominal diameter	External diameter	Central opening diameter	Height	Weight, lbs (kg) max.	Compressive load kN (t), min
BKK – 127R1	5" / 127 mm	5 3/4" / 146 mm	2 3/8" / 60 mm	9 3/4" / 235 mm	6.6 (3.61)	110 (11)
BKK – 178R1	7" / 178 mm	8" / 198 mm	3 9/16" / 90mm	10 1/2" / 267 mm	17.6 (8.23)	240 (24)
BKK – 219R1	8 5/8" / 219 mm	9 1/8" / 232 mm	4 5/16" / 110 mm	11" / 280 mm	22.1 (10.11)	320 (32)
BKK – 245R1	9 5/8" / 245 mm	10 5/8" / 270 mm	4 3/4" / 120 mm	12 3/16" / 310 mm	35.3 (16.18)	350 (35)
BKK – 324R1	12 3/4" / 324 mm	13 13/16" / 351 mm	6 5/16" / 160 mm	13 3/4" / 350 mm	52.9 (24.13)	410 (41)

Materials:

Adapter sub - Steel 40H GOST 4543-71;

Control shroud - Composite material.

The connecting thread of the shoe is available to choose:

- 1) OTTM GOST 632-80
- 2) OTTG GOST 632-80
- 3) Short triangular thread GOST 632-80
- 4) Buttress GOST 51906-2002