

Technical data

Carriers / Drives

3-axle-truck all-wheel-drive (6 x 6)

gross weight approx. : 22 000 - 26 000 kg
drive by truck P.T.O.

optional:
deck diesel-engine : 134 - 178 kW

4-axle-truck all-wheel-drive (8 x 8)

gross weight approx. : 33 000 kg
drive by truck P.T.O.

optional:
deck diesel-engine : rating acc. to rig design

Crawler B4

width : 2 500 mm
gross weight : 21 000 kg
diesel engine : 134 - 178 kW

Other carriers and drives are available acc. to the requested rig components.

Mast

with hydr. drill feed

DSB 3/14

mast length : 9 500 mm
travel : 6 800 mm
max. hook load : 200 kN
optional, max. : 350 kN
max. hydr. pull up : 140 kN
max. pull up
-with travelling block
and BW 5000 K- : 200 kN
optional, max. : 320 kN
-with BW 8000 K-
max. hydr. pull down : 7 000 daN (kg)
drill speed up : 0 - 0.06 and 0.45 m/s
down : 0 - 0.12 m/s
rapid speed up : 0.90 m/s
down : 0.90 m/s
-at max. pull 5 000 daN-

Mast extension : 685 - 2 400 mm
-depending on carrier vehicle-

Hydr. Jib

max. swivelling range : 1 600 mm
-from drilling centre-
max. load : 1 000 daN (kg)

Mast foot with hydr. clamp

max. clamping dia. : 324 mm
-on request-
max. clamping dia. : 419 mm

Hydr. power head

Rotation speed right/left, continuously adjustable,
hydr. tilting and
hydr. swivelling

KSP - 7.8.1

passage : 172 mm / ND 150
torque : 1 500 / 750 daNm (kpm)
speed : 0 - 60 / 0 - 120 r.p.m

KSP - 7.10-1

2 adj. motors
passage : 172 mm / ND 150
torque : 1 000 / 650 / 240 daNm (kpm)
speed : 0 - 75 / 0 - 120 / 0 - 320 r.p.m

KSP - 7.10-2

1 const. and 1 adj. motor
passage : 172 mm / ND 150
torque : 1 000 / 650 daNm (kpm)
speed : 0 - 75 / 0 - 120 r.p.m

KSP - 7.10-3

2 const. motors
passage : 172 mm / ND 150
torque : 1 000 daNm (kpm)
speed : 0 - 75 r.p.m

Hydr. Drill Pipe Break-Out System (optional)

max. break-out torque
KSP-7.8.1 : 4 500 daNm (kpm)
KSP-7.10 : 4 000 daNm (kpm)
(direct at hollow spindle of powerhead)

Screwing Device for Drill Pipes and Drill Collars (optional)

mech. screwing device or
hydr. chuck
clamping dia. max : 164 mm
optional max. : 236 mm

Hydr. Clamping Device

max. pipe O.D. : 245 mm
max. free passage
-closed- : dia. 250 mm
-opened- : dia. 1 120 mm

Winches

Hydr. winch BW 1000 K

(K = controlled spooling)
max. pull : 1 150 daN (kg)
line speed : 0 - 2.9 m/s
spool capacity : 450 m / dia. 8 mm
(with Lebus-system)

Hydr. winch BW 3000 K

(K = controlled spooling)
max. pull : 3 300 daN (kg)
line speed : 0 - 1.85 m/s
spool capacity : 190 m / dia. 14 mm

Hydr. winch BW 5000 K

(K = controlled spooling)
max. pull : 5 380 daN (kg)
line speed : 0 - 2.00 m/s
spool capacity : 183 m / dia. 14 mm

Hydr. winch BW 8000 K

(K = controlled spooling)
max. pull : 8 400 daN (kg)
line speed : 0 - 1.25 m/s
spool capacity : 74 m / dia. 16 mm

Hydr. winch BW 11000 VK (optional)

travelling block winch with hydr. drill feed

	1st step	2nd step
max. pull	11 000	5 500 daN
line speed	1.0	2.0 m/s
spool capacity	42 m / dia. 20 mm	

On request -
winches with other capacities
and/or free fall control.

