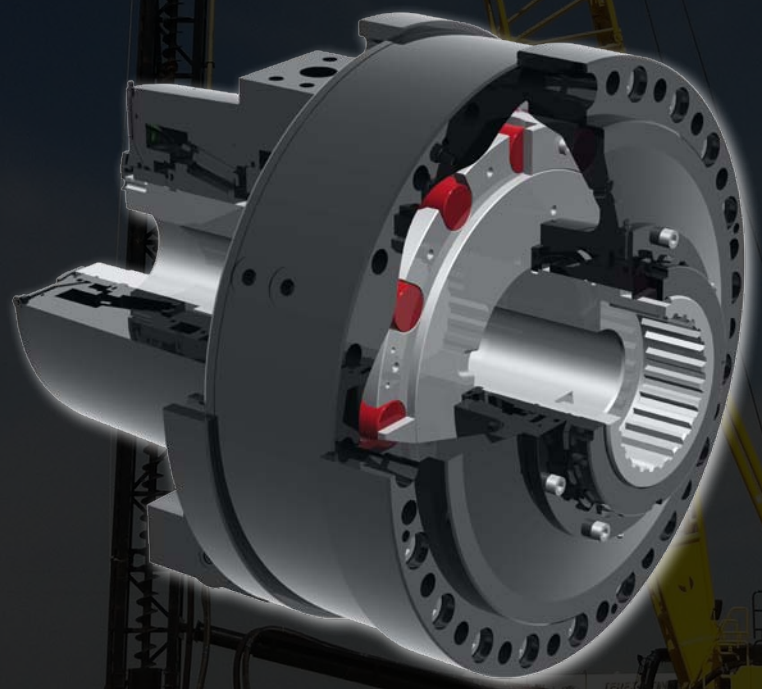
BLACK BRUIN HYDRAULIC MOTORS

S SERIES – Rotating shaft radial piston motor



Black Bruin

No power like it.

Black Bruin S Series

Rotating shaft radial piston motor

Sampo Hydraulics Ltd. has developed a new rotating shaft series of motors to accompany the traditional rotating case Black Bruins. At 500 kW, the robust S SERIES is the most powerful Black Bruin to date. Hollow or solid shaft construction, axial and radial load carrying capacity and shift on the fly multi-speed function makes the S SERIES an excellent choice for various applications.

FEATURES

- heavy duty design for continuous high power
- tapered roller bearings to take axial and radial loads
- wide speed range, up to 180 rpm

BENEFITS

- multi-speed function with shift on the fly
- modular from single to triple row cylinder block design
- backed by over 50 years experince in the most demanding applications

APPLICATIONS

- augers
- drills
- conveyors
- crushers
- winches

MAX. OUTPUT POWER

500 kW

MAX. THEORETICAL TORQUE

111 300 Nm

MAX. ROTATING SPEED

180 rpm

MAX. WORKING PRESSURE

450 bar

MAX. BRAKE TORQUE

95 000 Nm

CYLINDER BLOCK AND DISPLACEMENTS

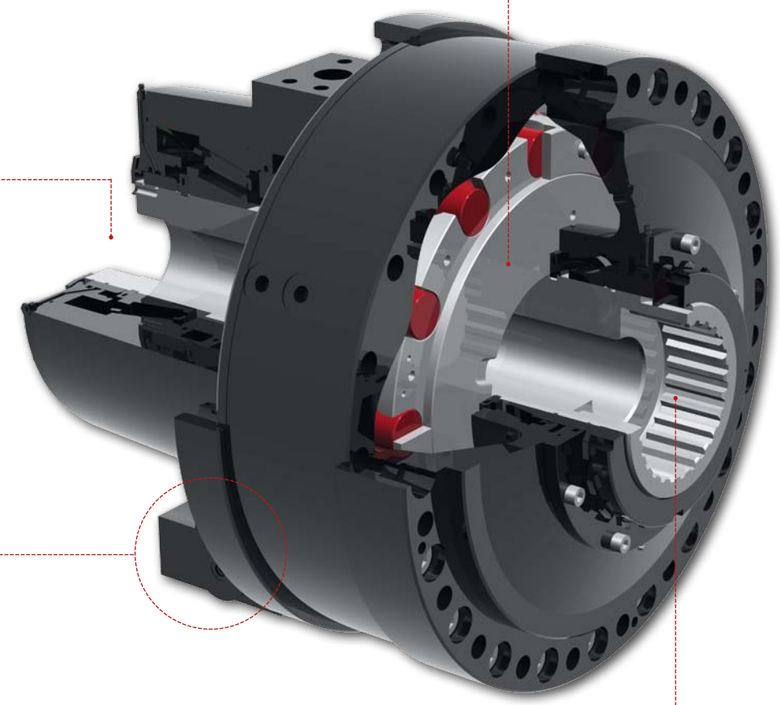
1-row motor
4400 / 6300 ccm

2-row motor
8800 / 10000 / 12600 ccm

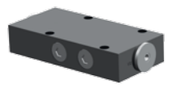
3-row motor
15000 / 18900 ccm

BRAKE TYPE *

Spring-operated wet multi-disc holding brake



2-SPEED FUNCTION



for 2- and 3-row motors

* motor with brake

SHAFT AND SPLINE TYPES

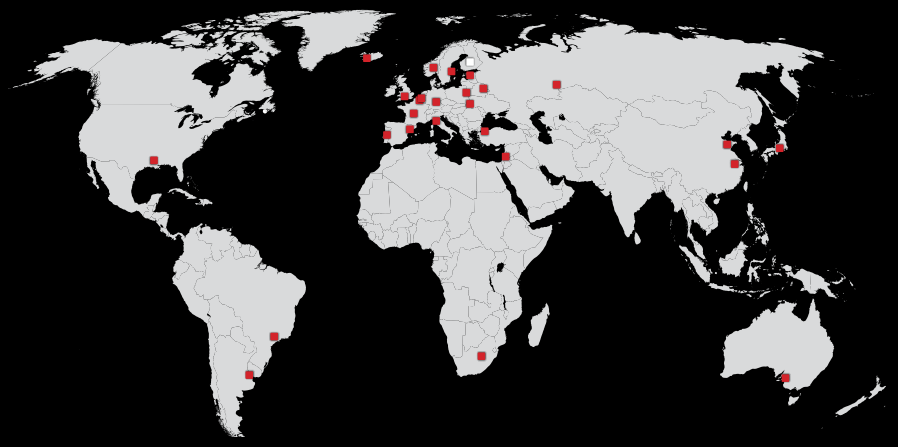
Hollow shaft / Internal splines

Through shaft / Internal splines

Through shaft / External splines

Solid shaft / External splines

Manufacturing Distributor



INNOVATIVE HYDROSTATIC TRANSMISSION AND ROTATION SOLUTIONS

Sampo Hydraulics Ltd. is one of the world's leading suppliers of radial piston hydraulic motors and rotators. Our trade mark Black Bruin offers a high quality solution for agriculture, construction and mining, road building and forestry equipment applications. As an international operator located in Jyväskylä, Central Finland, we employ more than 100 fully trained professionals and have a distribution network which covers over 25 countries.

Your local Black Bruin distributor:

www.blackbruin.com | sales@blackbruin.com

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