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We select the optimum solution with the matching system components for your application. As a mobile Bosch Rexroth system integrator we develop and advise customized solutions for your entire system from planning, design to commissioning.

Our extensive product portfolio
Hydro: Pumps * motors * Valves * cylinder * systems * Transmission * winches
offers us the opportunity to choose the right components. We offer complete hydraulic and electronic system solutions for machine schematics and BOM creation on VISIO- technology (Auto-CAD compatible). and 3-D drawings on total SOLIDWORKS (Auto-CAD compatible).

Mobile applications: Construction: Hydro excavators, loaders, graders, rollers, crushers, screens, Paver Agriculture: combine harvesters, loaders, chippers handling: cranes, concrete mixers, lift equipment, forklifts Shipbuilding: winches, deck equipment

We offer a complete hydraulic program for your application A as aggregate / power

unit or axial piston pump overL as load-sensing valve andR as radial piston motor
orW as winch

ConfigurationConfiguring your hydraulic system and we produce complete hydraulic units or offer the supply of individual system components. On request, we take over the installation of the system in your overall system and support you even after commissioning (after sales service).Our service / repair departmentsWe repair many hydraulic components of different manufacturers or supply spare parts for example

:Axial piston pumps and motorsVane pumps and motors radial piston motors
Lager Our extensive stock offers short delivery times on standard components such as:axial piston pumps and motors and partsCompact - Mini / Micro – power units / electro pump setsPneumatically driven hydraulic pressure booster unitsgear pumps and motorsMobile control blocks as valves in monoblock or sectional construction (ON / OFF, load sensing, with joystick,)CETOP valves and sandwich plate valvesvane pumps and spare partsCoolers (oil / air, oil / water)Pipe cartridge valves (poppet valves, pressure relief valves, control blocks, proportional valves)ittings / Special fittings / flangespack accessories like:tanks, filters, couplings, bell housings, valves and expansion joints

ProductsPowerpacksElectro pumpsHeypacMicro power packsMini power packsSpecial power packsPumps & MotorsAxial piston motorsAxial piston pumpsGear pumps and motorsOrbit motorsRadial piston motorsVane pumpsTanks and AccessoiresTanksCompensatorsHose reelsAccessoiresGearsGearboxPump distributor gearsValvesIndustrial valvesMobile valvesBlock valvesWinchesHoisting winchesPulling winchesMarine winchesCoolerOil coolerWater coolerFilterPressure filterSpin onSuction filterTank filterAccumulatorenCylinder CylinderSpecial hydraulic cylinderWe develop, design, manufacture and special cylinders according to customer customer specifications, specially application in 3D with possible special options:Integrated valves and sensorsscrewed-on valve trunnionsDisplacement encoderSpecial coatingHydraulically releasing return springInner latchWater coolingPurging airBellows as heat protectionTypes:

Differential cylinder, plunger, telescopic cylinder, support cylinders, spring cylinders, flat cylinders, flat cylinders with wobbling piston, short-stroke cylinder

Applications: Mining, vehicle construction, impact technology, Press construction, agricultural engineering

Standard cylinder

Hydraulic cylinders according to DIN, CETOP and steelworks standards with different mounting forms:

Hinge eyes, trunnions, flange mounting

Hydraulic cylinders in the mining sector

Mobile technology underground

Loader vehicles

Robbery machines

Large hole drill rig

Ridge anchor drill rig

Roadheaders

Sole cutters

Grader

Dump truck

Moving floor

Vertical loader

Side tipper

e.g. lifting cylinder, steering cylinder, carriage cylinder, lifting cylinder, tipping cylinder

Hydraulic cylinders in the mining sector

Stationary technology underground

Exploratory drilling machines

Crushing plants

Drill mast

Hydraulic cylinders in the field of mining technology

Above ground

Roll crusher

Granulate presses

Sliding cylinder

Crusher cylinder

Hydraulic cylinders in the cement, ore and coal industries

Rolls

Press

Flat cylinder

Lifting elements

Press-on cylinder

Vertical mills

Spring cylinder

Ejector cylinder

Swing lift

Plunger

Stacker cylinder

Boom cylinder

Gripper cylinder

Spare parts in the cement, ore and coal industry for roller presses and vertical mills

Flat cylinder

Ball joint / bearing

Race ring

Seal kit / v- seals

Rotary seals

Rubber plates

Bellow with clamping

Hydraulic components

accumulator

Valve blocks / filters

Cylinder repair with optimisation

Example press cylinder

Beispiel wiederholt

Abstreifer / vorher :

Application: 2 plunger cylinders as a unit for the setting of rollers in a granulate press

Problem: Application discussed with the operator, Damage survey of the destroyed cylinder

Cause of failure: single-acting lip seal becomes leaks after a certain time.

The hydraulic oil does not exchange, no oil circulation, The scraper is pressed out of the cylinder by overpressure

scraper is pressed out of the cylinder

Solution: The cylinder is equipped with a cover in which the wiper is located

The seal is designed in the plunger downwards as a piston seal

Additional

venting and leakage oil borehole these can also be used as flushing holes. used as a flushing holeAfter :

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