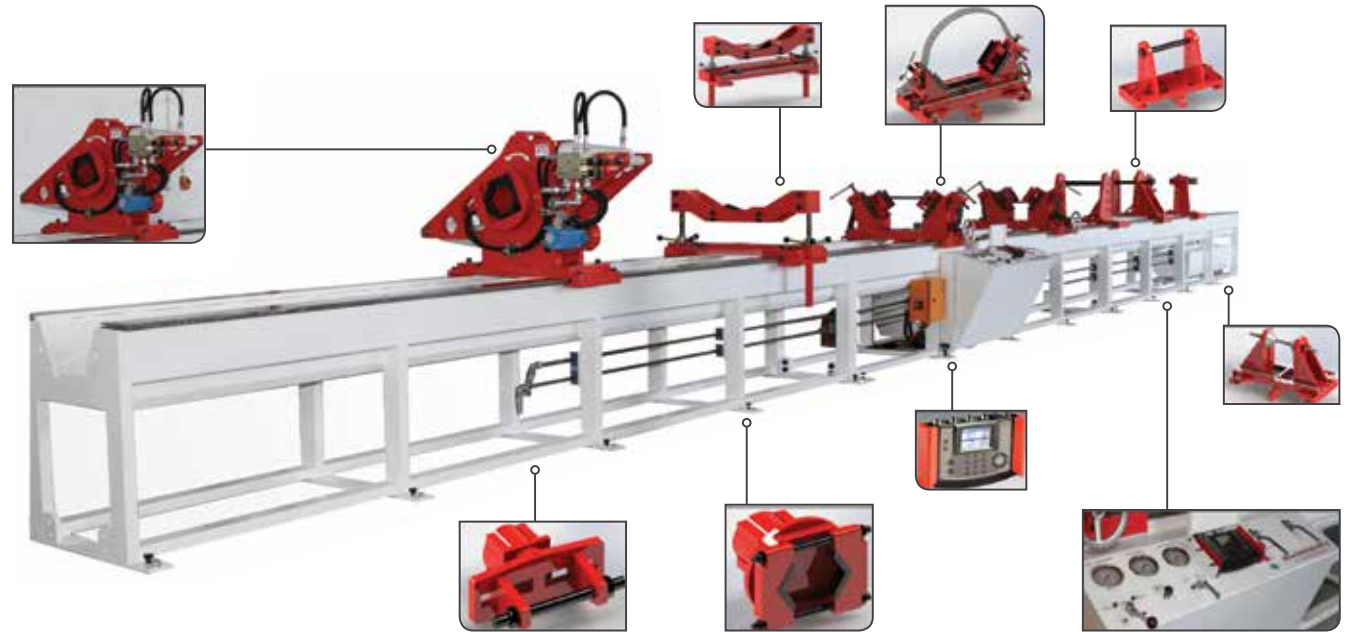




CYLINDER SERVICE EXCHANGE PROGRAM

[www.berendsen.com.au](http://www.berendsen.com.au)





When it comes to keeping your heavy earthmoving equipment moving, Berendsen is an obvious choice. Berendsen has specialised in the refurbishment of hydraulic cylinders for over 25 years and has the facilities, equipment and experience to keep your heavy mobile equipment working at peak efficiency.

With equipment downtime continuing to be a source of inconvenience and unnecessary expense, we have further developed our service and repair offering to include a cylinder service exchange program.





## THE PROGRAM

Convenience is realised when you can economically replace worn hydraulic cylinders without any major downtime and without having to carry your own spares inventory.

Recognising the need for a better solution, we developed our Cylinder Service Exchange Program, which sees us immediately replacing your worn cylinder with a cylinder from our stocked range of fully-refurbished cylinders, thereby eliminating the need to wait for your worn cylinder to be repaired.

## OUR REFURBISHMENT PROCESS

Each cylinder is rigorously assessed, including bore, piston, gland and rod wear, crack detection, chrome hardness and thickness, and surface finish.

Welding processes are employed to reclaim worn clevis eyes, glands and other components before machining the part to original tolerances.

Piston rods are hard chrome plated at our chrome plating facilities, whilst barrels are honed to original specified condition in our honing stations.

Original spare parts and powerful assembly benches, equipped with hydraulic nut tensioning devices, are employed to correctly assemble cylinders to required torque specifications.

Cylinder integrity is verified on our purpose-built test rigs before painting to factory freshness in our in-house paint shops to complete the end-to-end restoration process.

## PROGRAM ADVANTAGES

- ✓ Minimal equipment downtime
- ✓ No need to purchase expensive new equipment when you can't wait for your worn cylinder to be repaired
- ✓ Economical - you only pay the cost to repair your worn cylinder
- ✓ Peace of mind - each replacement cylinder has been expertly refurbished to original specified tolerance and is covered by Berendsen's warranty
- ✓ In the case of a cylinder being deemed unrepairable, there is the option to purchase the exchange cylinder

# SERVICE EXCHANGE CYLINDER RANGE

Manufacturer	Equipment Type	Model		Cylinder Type	OEM Part Number
Caterpillar	Articulated Dump Truck	740	B	740 Tub Hoist Cylinder	SX-285-4034 / 241-4068
			B	740B Front Suspension	SX-341-4124
	Rigid Dump Truck	777	D, E, F, G	Front Suspension	SX-4T-4756
			D	Rear Suspension	SX-8J-8865
			D, E, F	Steering Cylinder	SX-417-0582
			D, E, F	Hoist Cylinder	SX-296-0608
			B, C, D, G	Front Suspension	SX-1U-4605
	785	B, C	Rear Suspension	SX-456-8724	
		B, C	Steering Cylinder	SX-1U3182	
		B, C, D	Hoist Cylinder	SX-4T5931	
789	B, C, D	Front Suspension	SX-4T-5182 / 6E1921		
	B, C, D	Rear Suspension	SX-106-1801 / 106-3722		
793	B, C, D	Hoist Cylinder	SX-9T-2807		
	B, C, D	Steering Cylinder	SX-4T-6797		
Dozer	D10	B, C	Hoist Stage	SX-6E-6446	
		B, C	Front Suspension	SX-284-8014	
Wheel Loader	992	B, C	Steer Cylinder	SX-9T-8912	
		B, C	Rear Suspension	SX-106-3722	
		B, C	Hoist Cylinder	SX-121-2071	
		B, C	Hoist Stage	SX-301-3154	
		R, T	Blade Lift	SX-9T-2869	
		R, T	Blade Tilt LH	SX-232-0652 / 9T-9204	
D11	R, T	Blade Tilt RH	SX-232-0653		
	R, T	Ripper Lift	SX-192-6445		
	R, T	Ripper Tilt	SX-4T-9977		
	R, T	Blade Lift	SX-4T-2727		
	R, T	Dual Blade Tilt	SX-9T-3715		
Komatsu	Rigid Dump Truck	830	R, T	Blade Tilt Barrel	SX-D11BTB
			R, T	Blade Lift Rod	SX-D11BLR
Hitachi	Rigid Dump Truck	EH4500	R, T	Blade Lift Barrel	SX-D11BLB
			-2	RH Lift Cylinder	SX-162-1522
			-2	Steering Cylinder	SX-112-8208
Excavator	EX2500/2600	-6	E	830E Hoist Cylinder	SX-EM8353
			E	830E Rear Suspension (Rod Up)	SX-EJ-2176
			E	830E Front Suspension	SX-58E-50-00020
Hitachi	Rigid Dump Truck	EH4500	-2	EH4500 Steer Rod	SX-E12668340
			-2	EH4500 Hoist Rod	SX-E12643355RM
			-2	EH4500 2nd Hoist Stage	SX-0621-E12628191L
Excavator	EX2500/2600	-6	-6	EH4500 3rd Hoist Stage	SX-0621-E12614454L
			-6	EX2500 Boom Cylinder	SX-4436678
			-6	EX2500 Stick/Arm Cylinder	SX-4402135
				EX2500 Backhoe Bucket Cylinder	SX-4402137



# HOW TO ORDER A SERVICE EXCHANGE

- 1 Contact your local branch to confirm that the cylinder is available.
- 2 If the cylinder that you require is available from our stock we will ask you to provide a Purchase Order comprised of;
  - a. a purchase order line authorising us to charge the repair of your worn cylinder
  - b. a purchase order line authorising us to charge a refundable core depositA core deposit is taken as security in the event that you are unable to send your worn cylinder to us, or if your cylinder is not acceptable for repair\*. If you are a COD customer we will ask you to pay the security deposit in advance.
- 3 When we receive your purchase order we will dispatch our service exchange cylinder according to your written instructions.
- 4 We will confirm via email which Berendsen location you should send your worn cylinder to.

\* When we have received your worn cylinder we will inspect the cylinder to confirm that it is acceptable for repair. Generally, cylinders are acceptable for repair when they are;

- Fully assembled and complete
- Not cracked or broken
- Not excessively corroded or pitted
- Not fire damaged
- Have not been previously repaired with unsound repair methods
- Are of an acceptable OEM part number

If a cylinder is deemed unacceptable for repair the core deposit amount will be charged. If the transport frame is not returned the replacement cost of the frame is also charged.

If your worn cylinder is acceptable for repair we will provide a repair report detailing the repairs required to bring your worn cylinder back to original tolerances.

**Adelaide**  
**08 7221 0300**  
Unit 1, 9 Rosberg Rd, Wingfield, SA 5013

**Brisbane**  
**07 3120 3200**  
20 Bernoulli St, Richlands, QLD 4077

**Bundaberg**  
**07 4181 0300**  
8 Kay McDuff, Bundaberg, QLD 4670

**Mackay**  
**07 4999 5400**  
229 Boundary Rd, Mackay, QLD 4740

**Melbourne**  
**03 9760 5000**  
7 London Dr, Bayswater, VIC 3153

**Newcastle**  
**02 4915 1800**  
10-18 Carbine Cl, Wallsend, NSW 2287

**Perth**  
**08 9353 1066**  
2/33 Colquhoun Rd, Perth Airport, WA 6105

**Sydney**  
**02 9765 8888**  
1-4 Denoci Cl, Wetherill Park, NSW 2164

**Wollongong**  
**02 4298 4000**  
6-8 Brady St, Berkeley, NSW 2506

# WE PROVIDE QUALITY HYDRAULIC SERVICE AND REPAIR AUSTRALIA WIDE



We have been at the forefront of Australia's hydraulic industry for over 25 years, offering a comprehensive range of fluid power service and repair facilities, products and system solutions, as well as our own range of manufactured products.

## Competitively Priced Products

Berendsen is a leading distributor of premium brand hydraulic products.

## Quality Service & Repair

Berendsen is a leading provider of first class hydraulic service & repair.

## Custom Cylinders & Manifolds

Berendsen is a leading manufacturer of hydraulic cylinders & manifolds.

## Custom Hydraulic Design

Berendsen is a leader in hydraulic system design and industry expertise.

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