



PARTS LISTS

**RAMMER S 29**  
**RAMMER S 29 HEAVY DUTY**  
**RAMMER S 29 CITY**

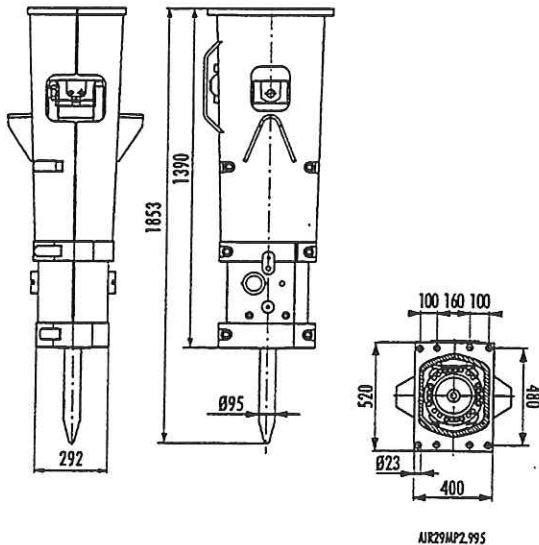
**SERIAL NO.**  
**29AXA0005-UP**  
**29AAA0005-UP**  
**29ADA0005-UP**

**RAMMER HITS HARDER**



## 12. TECHNICAL SPECIFICATIONS

### RAMMER S 29 CITY



Working weight <sup>(1)</sup>: 820 kg (1808 lb)

Impact energy, actual: 1450 J (1070 ft lb)

Impact rate <sup>(2)</sup>: 500-1000 bpm

Operating pressure <sup>(3)</sup>: 125-150 bar (1812-2175 psi)

Pressure relief min <sup>(4)</sup>: 175-200 bar (2540-2900 psi)

Pressure relief max: 220 bar (3190 psi)

Pressure in LP circuit: 26-28 bar (377-406 psi)

Oil flow range: 60-120 l/min (16-32 gal/min)

Back pressure max: 10 bar (145 psi)

Input power: 30 kW (41 HP)

Tool diameter: 95 mm (3.74 in)

Connections for hoses:

pressure line (IN): BSP-internal R1"

return line (OUT): BSP-internal R1"

Line size minimum inner diameter

pressure line: 26 mm (1 in)

return line: 26 mm (1 in)

Oil temperature: -20 - +80°C (-4 - +176°F)

Oil viscosity: 1000-15 cSt

Carrier weight <sup>(5)</sup>: 9-15 ton (19850-33000 lb)

Noise level: 85 dB(A)/18-24 m

(1) Includes sideplates and standard tool.

(2) Actual impact frequency depends on oil flow, oil viscosity, temperature, and material to be broken.

(3) Actual pressure depends on oil flow, oil viscosity, temperature, material to be broken and back pressure.

(4) Minimum setting = Actual Operating Pressure + 50 bar (730 psi).

(5) Check carrier's lifting capacity from carrier manufacturer.

## 13. TOOLS

### Chisel Tool (A)

Part no.: 291

Length: 900 mm (35.4 in)

Weight: 46 kg (101 lb)

Diameter: 95 mm (3.74 in)

### Blunt (B)

Part no.: 294

Length: 800 mm (31.5 in)

Weight: 43 kg (95 lb)

Diameter: 95 mm (3.74 in)

### Moil Point (C)

Part no.: 293

Length: 900 mm (35.4 in)

Weight: 44 kg (97 lb)

Diameter: 95 mm (3.74 in)

### Compacting Plate (D)

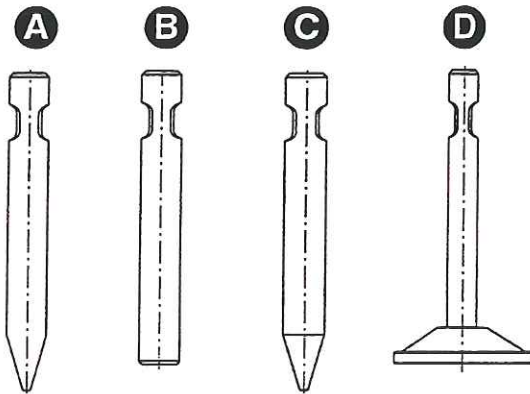
Part no.: 297

Length: 800 mm (31.5 in)

Weight: 109 kg (240 lb)

Diameter: 95 mm (3.74 in)

Plate dia.: 350 mm (13.8 in)



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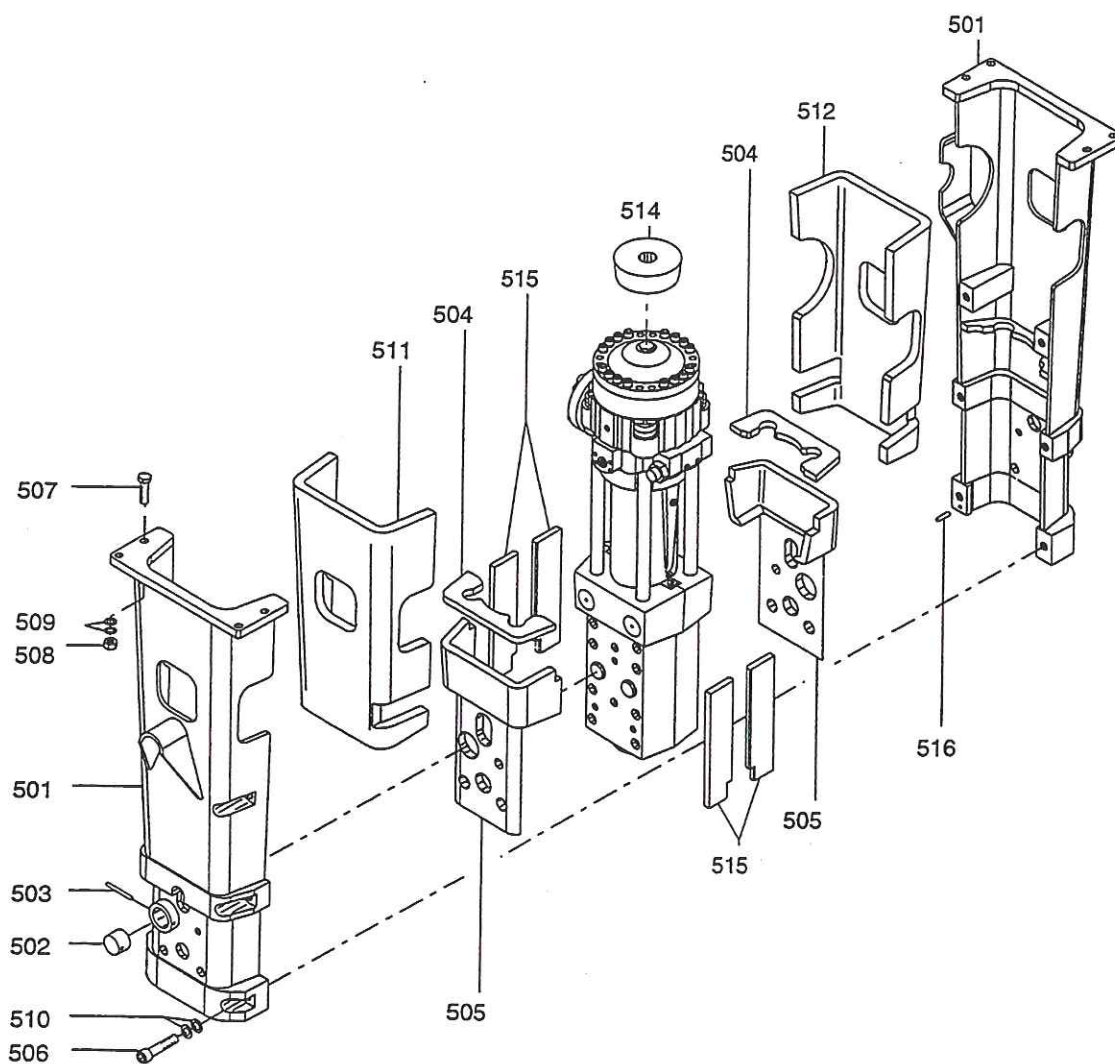
## **RAMMER S 29 CITY**

**SERIAL NO.**

**29AXA0005-UP**

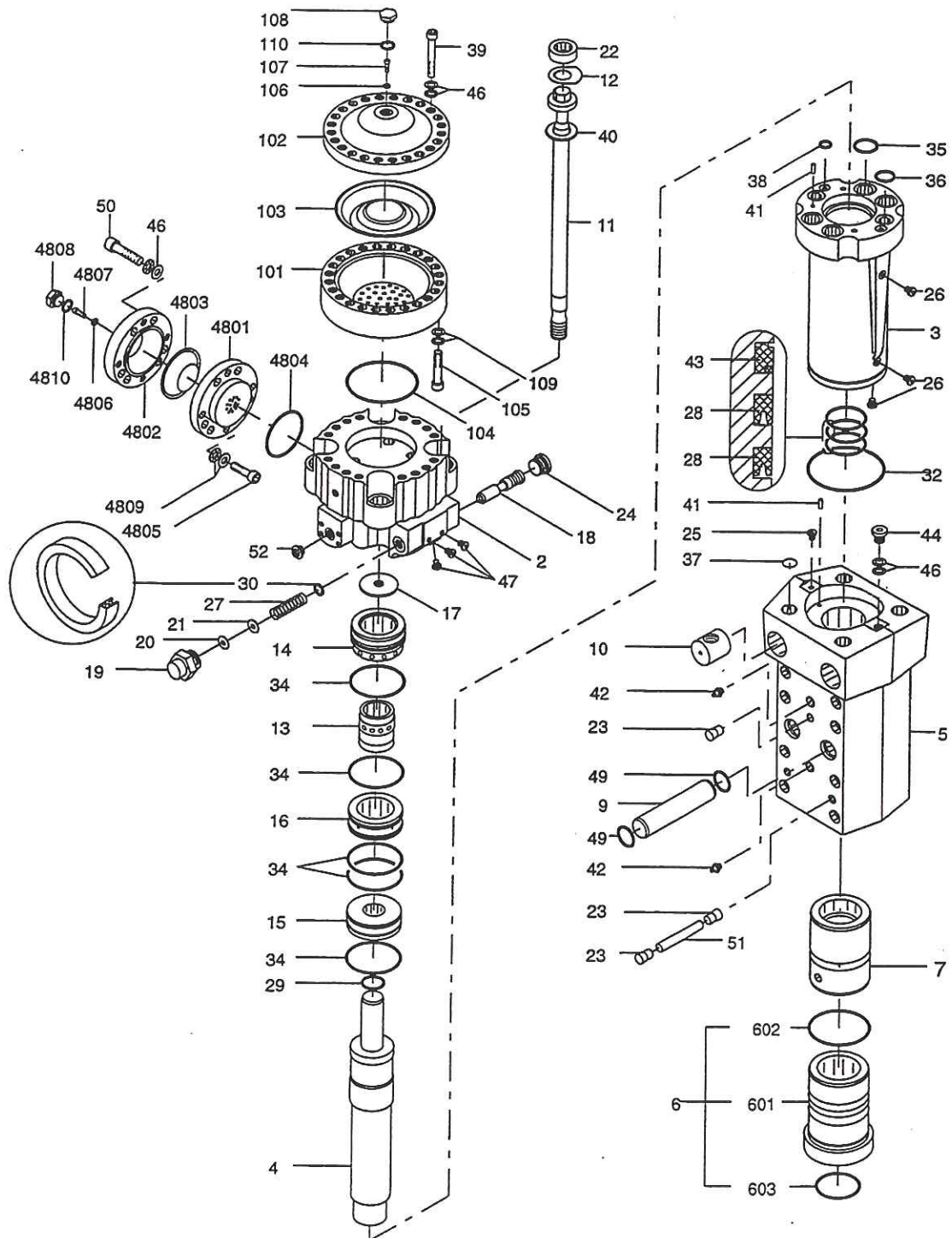
**29ADA0005-UP**

## RAMMER S 29 CITY HOUSING UNIT



| ITEM | NAME                 | PART NO. | SPECIFICATION      | NOTE | PCS |
|------|----------------------|----------|--------------------|------|-----|
| 501  | Housing plates       | 400454   |                    |      | 1   |
| 502  | Buffer               | 400430   |                    |      | 2   |
| 503  | Split pin            | 904015   | 10x100 DIN 1481    |      | 2   |
| 504  | Pad                  | 300607   |                    |      | 2   |
| 505  | Damper               | 100408   |                    |      | 2   |
| 506  | Hex. socket screw    | 91058    | M24x90-8.8 DIN 912 |      | 6   |
| 507  | Hex. screw           | 91022    | M20x90-8.8 DIN 931 |      | 8   |
| 508  | Hex. nut             | 91017    | M20-8 DIN 934      |      | 8   |
| 509  | Lock washer          | 91010    | M20 NORD-LOCK      |      | 16  |
| 510  | Lock washer          | 91038    | M24 NORD-LOCK      |      | 6   |
| 511  | Upper muffler, left  | 100687   |                    |      | 1   |
| 512  | Upper muffler, right | 100688   |                    |      | 1   |
| 514  | Buffer               | 300910   |                    |      | 1   |
| 515  | Muffler plate        | 300817   |                    |      | 4   |
| 516  | Parallel pin         | 901101   | 10m6x70 DIN 6325   |      | 2   |
|      | Label set            | 300957   |                    |      |     |

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| ITEM | NAME                                              | PART NO. | SPECIFICATION       | NOTE | PCS |
|------|---------------------------------------------------|----------|---------------------|------|-----|
| 1    | Low pressure acc.<br>assy, incl. parts 101-110    | 100661   |                     |      | 1   |
| 2    | Valve body                                        | 100327   |                     |      | 1   |
| 3    | Cylinder                                          | 100328   |                     |      | 1   |
| 4    | Piston                                            | 100321   |                     |      | 1   |
| 5    | Front head                                        | 100399   |                     |      | 1   |
| 6    | Lower tool bushing<br>assy, incl. parts 601-603   | 101025   |                     |      | 1   |
| 7    | Upper tool bushing                                | 101027   |                     |      | 1   |
| 9    | Tool retaining pin                                | 300511   | D50                 |      | 2   |
| 10   | Tie rod nut                                       | 300996   |                     |      | 4   |
| 11   | Tie rod                                           | 200561   |                     |      | 4   |
| 12   | Lock plate                                        | 400362   |                     |      | 4   |
| 13   | Distributor                                       | 200363   |                     |      | 1   |
| 14   | Assembly ring                                     | 200364   |                     |      | 1   |
| 15   | Steering ring                                     | 300498   |                     |      | 1   |
| 16   | Slide ring                                        | 200382   |                     |      | 1   |
| 17   | Puller plate                                      | 300523   |                     |      | 1   |
| 18   | Press.adj.spool                                   | 300506   |                     |      | 1   |
| 19   | Spring housing                                    | 400309   |                     |      | 1   |
| 20   | Shim plate                                        | 41793    | S=1                 |      | X   |
| 21   | Shim plate                                        | 41794    | S=0.5               |      | X   |
| 22   | Rubber ring                                       | 400364   |                     |      | 4   |
| 23   | Rubber plug                                       | 101169   |                     |      | 6   |
| 24   | Flange plug                                       | 90410    | R1                  |      | 1   |
| 25   | Flange plug                                       | 90403    | R1/4                |      | 1   |
| 26   | Flange plug                                       | 93203    | R1/8                |      | 3   |
| 27   | Spring                                            | 920008   | D26x65              |      | 1   |
| 28   | Seal                                              | 911033   | D90                 | *    | 2   |
| 29   | Seal                                              | 911005   | D50                 | *    | 1   |
| 30   | Seal                                              | 911010   | D22                 | *    | 1   |
| 32   | O-ring                                            | 910012   | D170                | *    | 1   |
| 34   | O-ring                                            | 90032    | D120                | *    | 5   |
| 35   | O-ring                                            | 90007    | D44                 | *    | 4   |
| 36   | O-ring                                            | 90017    | D34                 | *    | 2   |
| 37   | O-ring                                            | 910019   | D42                 | *    | 4   |
| 38   | O-ring                                            | 90001    | D20                 | *    | 2   |
| 39   | Hex. socket screw                                 | 900029   | M20x130-8.8 DIN 912 |      | 16  |
| 40   | Washer                                            | 400686   | D42                 |      | 4   |
| 41   | Parallel pin                                      | 90357    | 8m6x24 DIN 6325     |      | 2   |
| 42   | Grease nipple                                     | 90201    | R1/8"               |      | 2   |
| 43   | Seal                                              | 911015   | D90                 | *    | 1   |
| 44   | Flange plug                                       | 90424    | R1/2                |      | 1   |
| 46   | Lock washer                                       | 91010    | M20 NORD-LOCK       |      | 23  |
| 47   | Plug                                              | 41658    |                     |      | 3   |
| 48   | High pressure acc.<br>assy, incl. parts 4801-4810 | 200527   |                     |      | 1   |

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| ITEM | NAME               | PART NO. | SPECIFICATION       | NOTE | PCS |
|------|--------------------|----------|---------------------|------|-----|
| 49   | O-ring             | 90019    | D49                 | *    | 4   |
| 50   | Hex. socket screw  | 900005   | M20x90-8.8 DIN 912  |      | 6   |
| 51   | Retaining pin      | 400456   | D21                 |      | 2   |
| 52   | Shield plug        | 93110    | R1                  |      | 2   |
| 101  | Accumulator bottom | 100662   |                     |      | 1   |
| 102  | Accumulator cover  | 100663   |                     |      | 1   |
| 103  | Membrane           | 300909   |                     |      | 1   |
| 104  | O-ring             | 90002    | D164                | *    | 1   |
| 105  | Hex. socket screw  | 900028   | M20x100-8.8 DIN 912 |      | 8   |
| 106  | USIT-ring          | 90056    | D9                  | *    | 1   |
| 107  | Filling plug       | 042074   |                     |      | 1   |
| 108  | Shield plug        | 400300   |                     |      | 1   |
| 109  | Lock washer        | 91010    | M20 NORD-LOCK       |      | 8   |
| 110  | O-ring             | 910006   | D23                 | *    | 1   |
| 601  | Lower tool bushing | 101023   |                     |      | 1   |
| 602  | O-ring             | 910010   | D135                | *    | 1   |
| 603  | Seal               | 400498   | D95                 | *    | 1   |
| 4801 | Accumulator bottom | 200528   |                     |      | 1   |
| 4802 | Accumulator cover  | 200529   |                     |      | 1   |
| 4803 | Membrane           | 300177   |                     |      | 1   |
| 4804 | O-ring             | 90032    | D120                | *    | 1   |
| 4805 | Hex. socket screw  | 91006    | M16x60-8.8 DIN 912  |      | 4   |
| 4806 | USIT-ring          | 90056    | D9                  | *    | 1   |
| 4807 | Filling plug       | 42074    |                     |      | 1   |
| 4808 | Shield plug        | 400300   |                     |      | 1   |
| 4809 | Lock washer        | 90597    | M16 NORD-LOCK       |      | 4   |
| 4810 | O-ring             | 910006   | D23                 | *    | 1   |

Seal set 400668

\*) Are included in seal set





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