

# RDS

ROCK DRILL SALES

Atlas Copco Hydro Magnets  
**Efficient scrap collection**



*Sustainable Productivity*





# Broaden your business, turn waste into profit

The Atlas Copco Hydro Magnet is a highly efficient way of adding magnetic lifting capability to your fleet of hydraulic handlers. The Hydro Magnet will help you save on equipment repair and down-time; and allow you to turn scrap metal into a profitable income source. The Hydro Magnet attaches easily to any hydraulic carrier and is ideal for demolition sites, scrap yards and recycling facilities.

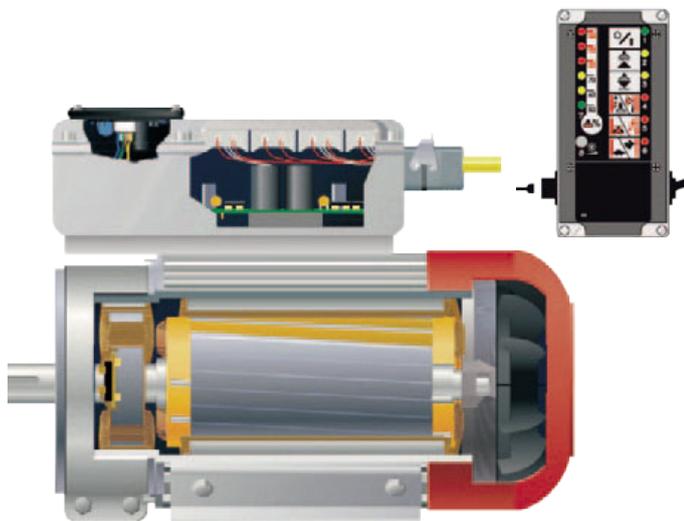
## **Why leave money lying on the ground?**

Most demolition waste contains iron and steel. This material is both recyclable and valuable. With the Atlas Copco Hydro Magnet, you can collect this metal quickly and easily – and turn waste into profit.

## **Remove hazards. Prevent damage. Reduce down-time.**

Scrap metal and rebars lying around on sites can be a safety

hazard. The metal may cause flat tires on the trucks and damage to equipment such as crushers and conveyer belts. With Atlas Copco Hydro Magnet you can collect this scrap metal effectively and protect both your workforce and your equipment. Your site will be safer and cleaner – and you'll save money on maintenance and repairs.



## INTELLIGENT, ROBUST, LOW-MAINTENANCE

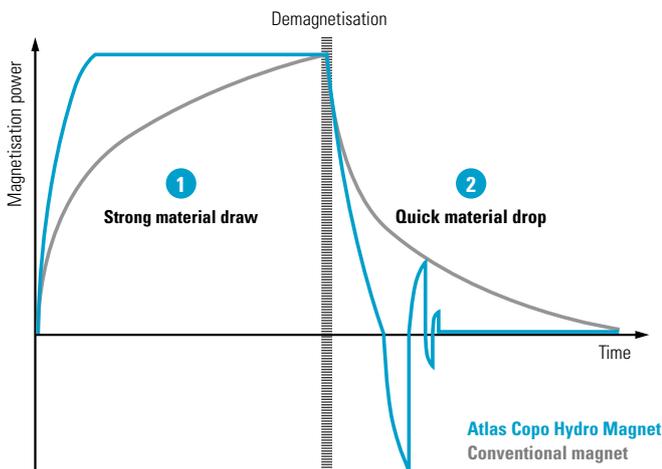
- › Hydraulic power control
  - automatic flow and pressure control via sophisticated flow divider
- › Generator
  - maintenance-free, controlled electronically
  - up to 25% faster draw/drop cycles
  - corrosion-free body
- › Digital generator control device in water-proof casing
  - protects against electrical shorts, over-heating and power fluctuations
- › Multi-functional diagnostic panel in water-proof casing
  - indicates current working status and informs of faults.

## MAGNETIC PLATE MADE FOR TOUGH CONDITIONS

- › Hermetically-sealed steel casing protects the magnetic coil from impact and moisture
- › Exterior Hardox® steel ring for superior endurance
- › Large surface area prevents overheating
- › Optimized weight/performance ratio

## BENEFITS

- › safe, clean job sites
- › reduced equipment damage
- › increased utilization
- › increased profit
- › 25% shorter draw/drop cycles
- › lower fuel consumption
- › quick, easy installation
- › virtually maintenance-free



## THE HYDRO MAGNET IN ACTION

The advanced generator control technology means faster draw/drop cycles than conventional magnets:

- › The high, fast-acting voltage draws more material faster and holds it steady, longer.
- › The quick demagnetization process means faster drops and a total clean of the plate - even small pieces of steel are cleared.

## Just “plug-in” and start collecting your profit

Mounting could not be easier. No extra generator or additional electro cables are required. Simply install the magnet on your carrier’s existing hydraulic attachment circuit and you’re ready to go.

## Increased utilization, minimal maintenance

The Hydro Magnet is part of the Atlas Copco hydraulic

attachment range, which includes grapples, cutters, pulverizers and breakers. By simply swapping from attachment to attachment, you’ll increase the utilization of your carrier; and clear sites faster. Apart from periodic checking of the bolts and cable connections, your Hydro Magnet will be practically maintenance-free.

# A profitable investment

Two versions of the Electro Magnet are available – the fixed magnet (F) and the mobile magnet with chain link (M). Each version is available in two weight classes. Load capacity ranges from 620 lbs up to 25.350 lbs.

The Hydro Magnet is a perfect complement to the range of demolition tools offered by Atlas Copco. Please visit [www.atlascopco.com](http://www.atlascopco.com) for further information.

## HYDRO MAGNET

		HM 1500F	HM 1500M	HM 2000F	HM 2000M
Service weight	lbs	3,240		4,410	
Weight without adapter	lbs	2,920		3,640	
Carrier weight	lbs	26,460 - 66,140		33,069 - 99,208	
Generator performance	kW (hp)	13 (17.5)			
Magnet	kW (hp)	6 (8)		9 (12)	
Oil flow	us gpm	22 - 66			
Operating pressure	psi	1,740 - 5,080			
Return pressure (max)	psi	435			
Hole pattern		MB 1700			
Part number		3382 0600 00	3382 0601 00	3382 0602 00	3382 0603 00
Magnet plate - diameter	in	42		50	
- thickness	in	11		12	
- weight	lbs	1,720		2,420	
Magnet - cpl. height without adapter	in	40	48 <sup>2</sup> / 62 <sup>3</sup>	41	49 <sup>2</sup> / 65 <sup>3</sup>
Tear-off-force	lbs	25,350		25,350	
Load capacity - skelp block	lbs	12,700		16,550	
- iron ball	lbs	5,730		7,720	
- scrap 3A*	lbs	560		820	
- scrap 24**	lbs	530		800	
- scrap 40***	lbs	260		420	
- pig iron	lbs	620		900	

\* Scrap 3A = 125 - 160 pound/foot<sup>3</sup>

\*\* Scrap 24 = 120 - 125 pound/foot<sup>3</sup>

\*\*\* Scrap 40 = 50 - 62 pound/foot<sup>3</sup>

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[www.atlascopco.com](http://www.atlascopco.com)

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Part no. 3390 0671 93  
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2.2014