

# Broaden your business, turn waste into profit

A HM hydro magnet is a highly efficient way of adding magnetic lifting capability to your fleet of hydraulic handlers. The magnet will help you save on equipment repair and downtime; and allow you to turn scrap metal into a profitable income source. A HM 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 our 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 conveyor belts. With our 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.

# HM 2000

## Hydraulic power control

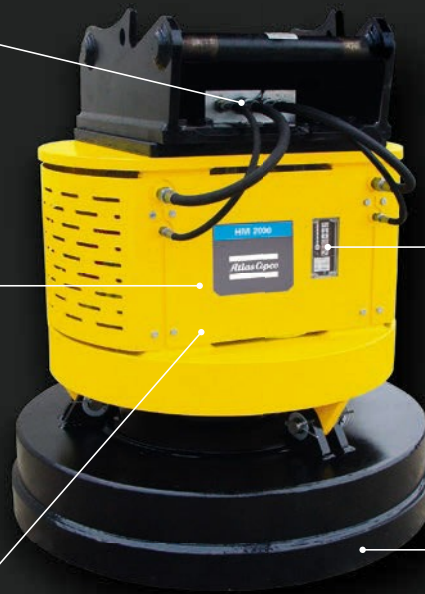
automatic flow and pressure control via sophisticated flow divider

## Generator

maintenancefree, controlled electronically, up to 25 % faster draw/drop cycles, corrosionfree body

## Digital generator control device in water-proof casing

protects against electrical shorts, overheating 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

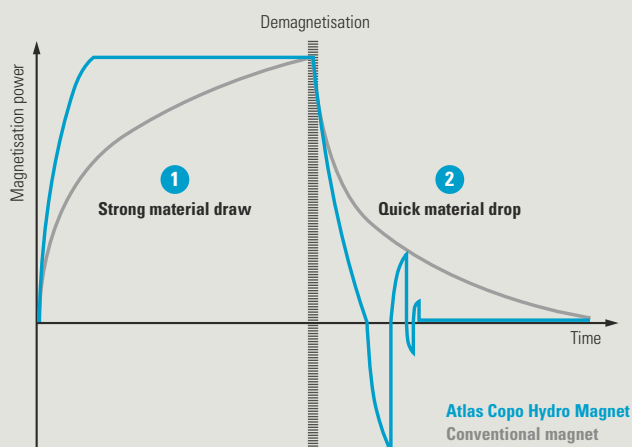
hermeticallysealed steel casing protects the magnetic coil from impact and moisture, exterior Hardox® steel ring for superior endurance, large surface area prevents overheating, optimized weight/performance ratio

## BENEFITS

- › safe, clean job sites
- › reduced equipment damage
- › increased utilization
- › increased profit
- › lower fuel consumption
- › quick, easy installation
- › virtually maintenancefree

# 25 %

shorter draw/drop cycles



## The HM hydro magnet in action

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

- › The high, fastacting 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.

## A profitable investment

You can select out of two versions – the fixed magnet (F) and the mobile magnet with chain

link (M). Each version is available in two weight classes. Load capacity ranges from 280 kg up to

7,500 kg. The HM hydro magnet is a perfect complement to our range of demolition tools.

HYDRO MAGNETS		HM 1500 F	HM 1500 M	HM 2000 F	HM 2000 M
Service weight	kg	1,550		2,000	
Weight without adapter	kg	1,360		1,650	
Carrier weight	t	12–30		15–45	
Generator performance	kW	13		13	
Magnet	MP/kW	8/6		11/9	
Oil flow	l/min	90–250		90–250	
Operating pressure	bar	120–350		120–350	
Return pressure (max.)	bar	20		20	
Hole pattern		MB 1700		MB 1700	
Magnet plate – diameter	mm	1,060		1,250	
– thickness	mm	280		305	
– weight	kg	780		1,100	
Magnet – cpl. height without adapter	mm	1,025	1,230 <sup>2</sup> /1,580 <sup>3</sup>	1,050	1,255 <sup>2</sup> /1,605 <sup>3</sup>
Tear-off-force	kg	11,500		15,000	
Load capacity – skelp block	kg	5,750		7,500	
– iron ball	kg	2,600		3,500	
– scrap 3A <sup>1</sup>	kg	255		370	
– scrap 24 <sup>2</sup>	kg	240		360	
– scrap 40 <sup>3</sup>	kg	120		190	
– pig iron	kg	280		410	

<sup>1</sup> Scrap 3A = 2.2 + 2.5 T/m<sup>3</sup>

<sup>2</sup> Scrap 24 = 1.9 + 2.0 T/m<sup>3</sup>

<sup>3</sup> Scrap 40 = 0.8 + 1.0 T/m<sup>3</sup>

## Carrier weight classes

This table provides a rough guide. For a perfect fit between carrier and attachment, contact your Atlas Copco customer center or your local dealer.

