

MG Multi Grapples

Silent Demolition Tools



Atlas Copco



A must for demolition and recycling: Silent Demolition Tools from Atlas Copco

Targeted machine and equipment developments in recent years have turned mechanized demolition into a fast, cost-effective and precision process.

Wherever contractors need to minimize noise and vibration during demolition, guarantee high precision in selective demolition and stripping out jobs, or deal with concrete, rebar and even steel girders in one and the same process, hydraulic combi cutters, pulverizers, multi grapples and scrap cutters – Silent Demolition Tools – provide the answer.

With landfill costs rising, recycling building materials has become a profit-

able business. Silent Demolition Tools can also be used to crush and separate concrete and rebar and produce steel scrap in sizes suitable for furnace charging.

What's more, the low-vibration action of these units reduces the strain not only on booms and carriers, but also on operators, significantly improving their productivity and concentration levels over longer periods.

Atlas Copco has systematically expanded its product range to provide hydraulic combi cutters, pulverizers, multi grapples and scrap cutters in all size and performance classes.



MG Multi Grapples: getting to grips

MG multi grapples complete Atlas Copco's range of Silent Demolition Tools. The new extended MG multi grapple line comprises now 12 models, suitable for mounting on carriers of between 0,7 and 80 metric tons. Thanks to their particularly robust design, they are suitable both for sorting and loading demolished materials as well as for demolishing light buildings (masonry, wooden structures).

Outstanding handling

A hydraulic rotary drive is fitted as standard to ensure that MG multi grapples can be positioned quickly and accurately.

Extremely robust for tough jobs

The grapples and housing are made of carbon steel to withstand even the toughest conditions.



Fast and powerful

Productivity is central to our development work: the generously dimensioned hydraulic cylinders provide short cycle times and high closing forces. The rotary drive speeds up positioning and the high capacity of the grapple ensures rapid progress.

Features:

- Hydraulic 360° rotary drive
- High closing forces
- All major components made of carbon steel
- Optimized protection for hydraulic cylinders and components
- High capacity
- Replaceable and reversible blades

Applications:

- Demolition of masonry and wooden structures
- Sorting and loading



MG Multi Grapples		MG 100	MG 200	MG 300	MG 400	MG 500	MG 800
Carrier weight class ¹⁾	t	0,7-1	1-3	2-5	4-8	5-9	9-16
Service weight ²⁾	kg	90	175	290	450	460	825
Max. closing force	t	0,1	1,5	2,3	2,3	2,4	3,8
Oil flow rate	l/min	20-40	20-40	20-40	35-50	35-50	70-100
Operating pressure	bar	300	300	300	300	300	350
Swivel range	°	>360	>360	>360	>360	>360	>360
Rotary drive		hydr.	hydr.	hydr.	hydr.	hydr.	hydr.
Oil flow rate, rotation	l/min	max. 5	max. 10	max. 10	max. 15	max. 12	max. 25
Operating pressure, rotation	bar	120-150	120-150	120-150	120-150	120-150	150-210
Capacity	l	30	70	100	150	200	400
Jaw opening	mm	600	750	1100	1400	1500	1700
Grapple width	mm	300	450	500	600	700	800
Part number		3363 1036 50	3363 1036 51	3363 1036 52	3363 1036 53	3363 0982 20	3363 0982 21

MG Multi Grapples		MG 1000	MG 1500	MG 1800	MG 2100	MG 2700	MG 5000
Carrier weight class ¹⁾	t	12-20	17-28	20-28	25-35	28-50	50-80
Service weight ²⁾	kg	925	1480	1780	2100	2710	5300
Max. closing force	t	4,7	7	7	8,5	9,2	13
Oil flow rate	l/min	85-120	120-170	130-180	180-200	160-220	300-350
Operating pressure	bar	350	350	350	350	350	350
Swivel range	°	>360	>360	>360	>360	>360	>360
Rotary drive		hydr.	hydr.	hydr.	hydr.	hydr.	hydr.
Oil flow rate, rotation	l/min	max. 25	max. 30	max. 35	30-35	max. 35	50-60
Operating pressure, rotation	bar	150-210	150-210	150-210	150-210	150-210	210-250
Capacity	l	500	800	850	900	1000	1600
Jaw opening	mm	1950	2100	2100	2300	2200	3000
Grapple width	mm	800	1000	1200	1200	1200	1500
Part number		3363 0982 22	3363 0982 23	3363 0982 24	3363 1036 54	3363 0982 25	3363 1036 55

¹⁾ Weights apply to standard carriers only. Any variances must be agreed with Atlas Copco and/or the carrier manufacturer prior to attachment.

²⁾ with medium-sized adapter, without extra blades

Don't compromise on productivity



Lubricants

- Especially developed for equipment used in heavy-duty demolition work.
- Provides maximum service life and availability for your equipment.

Description	Part number
High-performance grease 12 x 400 g	3363 0949 14
Grease gun for 400 g high-performance grease	0909 1071 00



Connection hoses

- Designed to withstand the strains of demolition work.
- Protected against chafing by a spiral steel wire.

Type	Hoses	Length mm	Cap Nut Carrier Side
MG 100	3363 0945 41	2000	10 L (M 16x1,5)
MG 200	3363 0945 40	2000	12 S (M 20x1,5)
MG 300	3363 0945 40	2000	12 S (M 20x1,5)
MG 400	3363 0945 40	2000	12 S (M 20x1,5)
MG 500	3363 0945 40	2000	12 S (M 20x1,5)
MG 800 - MG 1800	3360 3322 94	2300	25 S (M 36x2)
MG 800 - MG 1800	3363 0859 47	2800	25 S (M 36x2)
MG 2100	3360 9923 40	2300	30 S (M 42x2)
MG 2100	3361 8538 59	2800	30 S (M 42x2)
MG 2700	3360 9923 40	2300	30 S (M 42x2)
MG 2700	3361 8538 59	2800	30 S (M 42x2)
MG 5000	3363 0946 45	2300	30 S (M 42x2)
MG 5000	3363 0946 46	2800	30 S (M 42x2)

Hoses for Rotation for MG 500-MG 2700

Type	Hoses	Length mm	Cap Nut Carrier Side
MG 100-500	3363 0945 41	2000	10 L (M 16x1,5)
MG 800-MG 2700	3363 0317 67	2800	12 S (M 20x 1,5)
MG 800-MG 2700	3363 0343 99	3500	12 S (M 20x 1,5)
MG 5000	3360 4793 96	3000	18 L (M 22 x 1,5)



One job, one part number

- Minimizes downtime – One-off repairs rather than multiple interventions.
- Keep your maintenance cost budget low – Most cost-effective solution.
- Saves time and costs finding and ordering individual items.

Description	Part number
Set of blades MG 100	3363 1061 23
Set of blades MG 200	3363 1060 52
Set of blades MG 300	3363 1062 46
Set of blades MG 400	3363 1062 47
Set of blades MG 500	3363 0982 81
Set of blades MG 800 / MG 1000	3363 0982 82
Set of blades MG 1500	3363 0982 83
Set of blades MG 1800/2100	3363 0982 84
Set of blades MG 2700	3363 0982 85
Set of blades MG 5000	3363 1036 88



Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.