



**DMG**



**Hydraulic  
multi grabs**



**DEHACO**

English



## Dehaco hydraulic multi grabs

The hydraulic multi grabs are the result of the experience that Dehaco has gained in more than 30 years. The weight of the grabs is relatively low and the volume is large, and yet they are very powerful, reliable and user friendly.

With models for specific applications, in dozens of versions from small to large, there is always a grab that is suitable for the work that you must perform. The smallest hydraulic multi grab weighs 135 kg and has a 58 litre capacity. The largest grab is a 1,460 kg grab with a capacity of no less than 640 litres.

This brochure provides an overview of the different models, the possible applications and technical specifications.

Models with a slewing ring have an unprecedented manoeuvrability, due to a 360° hydraulic rotation. The dust seal of the hinges provides a lasting, trouble-free operation.

From the DMG603 up, all models are provided with two rotation motors, ensuring a much better distribution of forces on the slewing ring. The models upwards from DMG803 are made with two cylinders for an optimum power distribution, allowing the shells to close simultaneously



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## Features

### Hydraulic multi grabs

#### 360° hydraulic rotation

High manoeuvrability due to 360° hydraulic rotation

#### Dual rotation motors

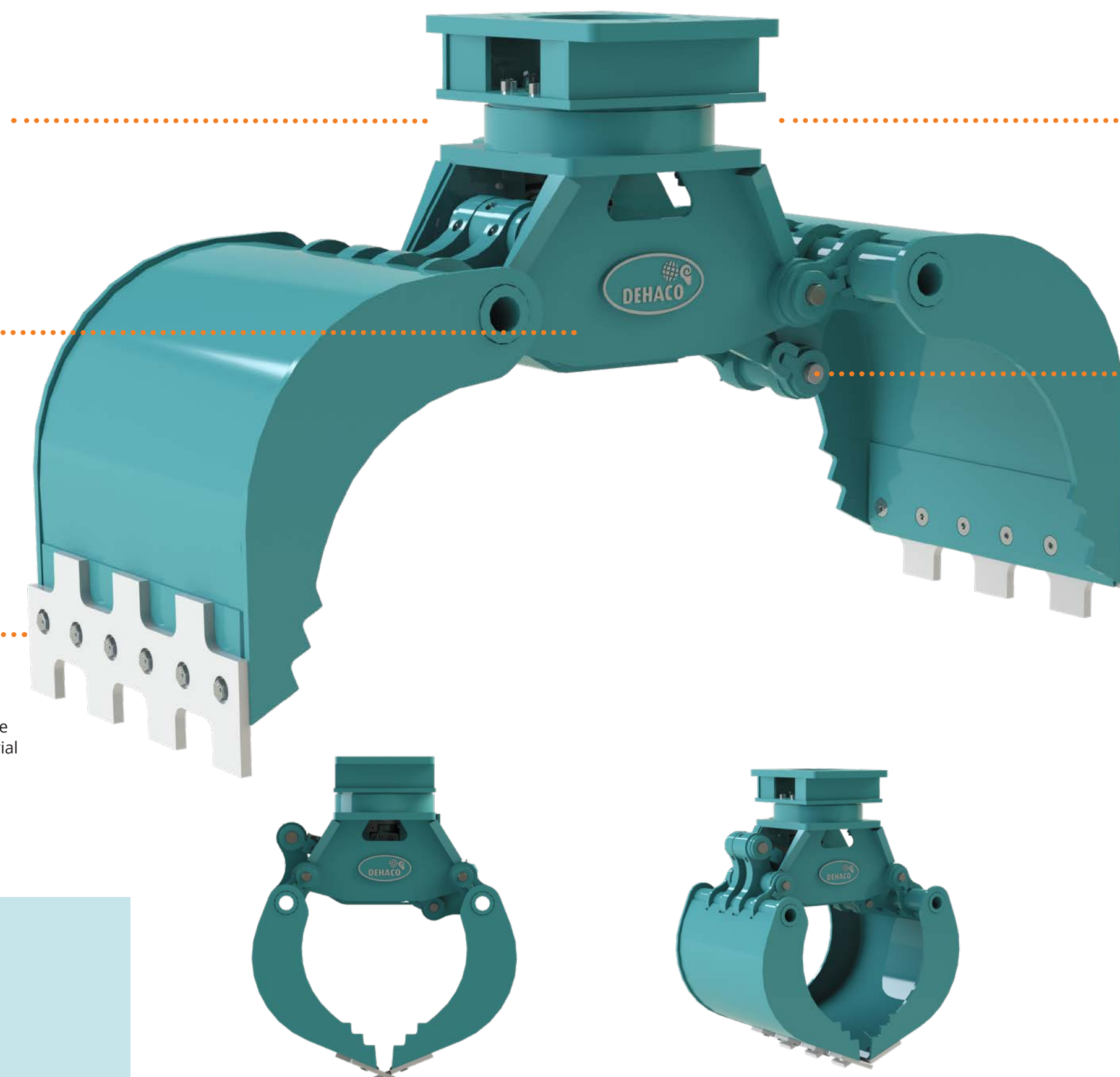
From the DMG603-R up, all models are equipped with dual rotation motors. A great benefit of this is that power distribution on the slewing ring is much better.

#### Cutting edges

From the DMG250-R and F series up, all models are equipped with interchangeable and reversible cutting edges with countersunk bolts. The blade bolts are countersunk to prevent material getting caught behind.

#### Optional

- Available with load holding valve
- Sprayed in the required colour



#### Slewing ring

All DMG-R multi grabs are equipped with an substantial slewing ring. As a result, all models are ultimately suitable for the heaviest applications.

#### Optimum power distribution due to double cylinder

From the DMG803 up, all models are equipped with two cylinders. Consequently the power distribution is much better on the shells, as a result of which they close simultaneously.

#### Minimum wear and tear

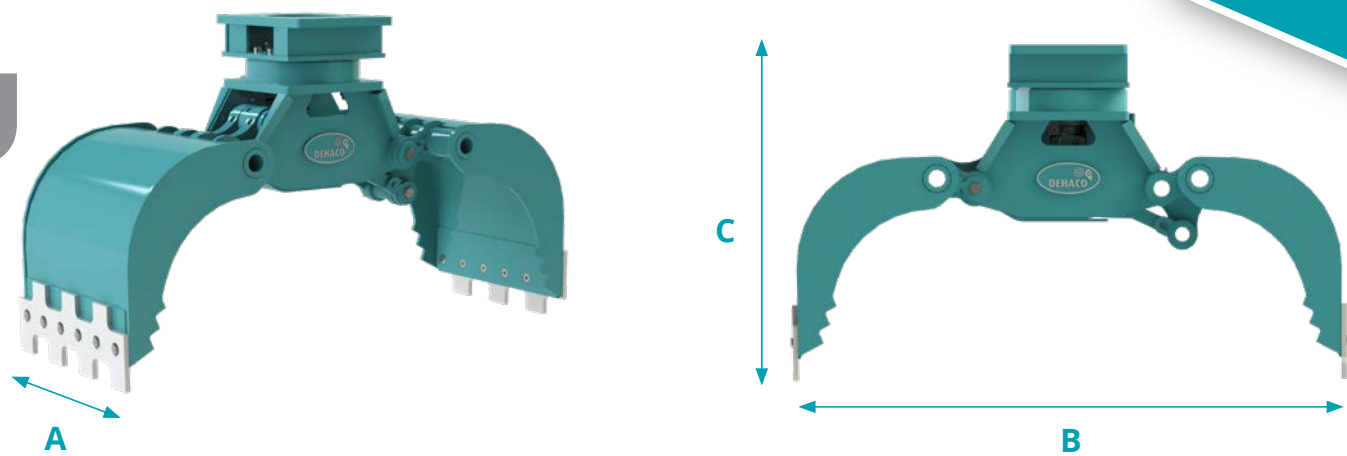
Due to the special cylinder design and the equaliser, movement is kept to a minimum, resulting in almost no wear to the internal hoses.

#### Cylinders with cushion dampening

DMG multi grab cylinders are equipped with cushion dampening, resulting in the shells closing without creating shocks to the excavator or damage to the main frame of the grab.

Hydraulic multi grabs

DMG150-R - DMG1202-R with rotation




Technical specifications


		DMG150-R	DMG250-R	DMG400-R	DMG450-R	DMG452-R	DMG502-R	DMG603-R	DMG803-R	DMG1202-R
Carrier weight class <sup>(1)</sup>	t	1,5-3	2,5-5	4-6	5-8	6-11	7-12	10-16	12-20	17-28
Operational weight <sup>(2)</sup>	kg	135	230	350	400	425	620	800	1.020	1.460
Nr. of cylinders		1	1	1	1	1	1	1	2	2
Nr. of rotation motors		1	1	1	1	1	1	2	2	2
Operating pressure	bar	300	300	300	300	320	350	350	350	350
Operating pressure rotation	bar	170-210	170-210	190-210	190-210	190-210	190-210	190-210	190-210	190-210
Oil flow	l/min	25	35	40	50	70	90	100	120	160
Oil flow rotation	l/min	10	10	12	12	15	15	25	25	35
Shell width A	mm	370	400	500	600	600	600	600	700	800
Width opened B	mm	750	1.160	1.400	1.500	1.550	1.800	1.800	1.950	2.100
Height C	mm	700	850	950	1.000	1.100	1.150	1.200	1.300	1.500
Capacity	l	58	80	125	170	140	300	300	440	640
Closing force	kN	15	20	23	24	24	30	35	46	68
Article number		1610.0008	1610.0010	1610.0014	1610.0016	1610.0018	1610.0022	1610.0024	1610.0028	1610.0032

(1) Weights only apply to standard carriers.  
Each deviation must be agreed upon with Dehaco and/or manufacturer of the carrier prior to assembly.  
(2) Net weight including top bracket and replaceable cutting edges (approximate).


# Hydraulic multi grabs with rotation

Carrier weight class  1,5 - 3 ton			DMG150-R
Operational weight	kg	135	
Operating pressure	bar	300	
Operating pressure rotation	bar	170-210	
Oil flow	l/min	25	
Oil flow rotation	l/min	10	
Capacity	kN	15	
Article number		1610.0008	




Carrier weight class  2,5 - 5 ton			DMG250-R
Operational weight	kg	230	
Operating pressure	bar	300	
Operating pressure rotation	bar	170-210	
Oil flow	l/min	35	
Oil flow rotation	l/min	10	
Capacity	kN	20	
Article number		1610.0010	




Carrier weight class  4 - 6 ton			DMG400-R
Operational weight	kg	350	
Operating pressure	bar	300	
Operating pressure rotation	bar	190-210	
Oil flow	l/min	40	
Oil flow rotation	l/min	12	
Capacity	kN	23	
Article number		1610.0014	




Carrier weight class  5 - 8 ton			DMG450-R
Operational weight	kg	400	
Operating pressure	bar	300	
Operating pressure rotation	bar	190-210	
Oil flow	l/min	50	
Oil flow rotation	l/min	12	
Capacity	kN	24	
Article number		1610.0016	




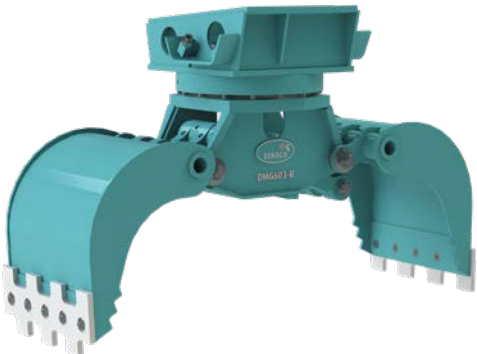
Carrier weight class  6 - 11 ton			DMG452-R
Operational weight	kg	425	
Operating pressure	bar	320	
Operating pressure rotation	bar	190-210	
Oil flow	l/min	70	
Oil flow rotation	l/min	15	
Capacity	kN	24	
Article number		1610.0018	




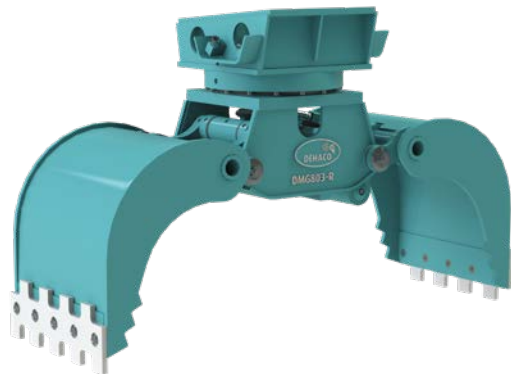
Carrier weight class  7 - 12 ton			DMG502-R
Operational weight	kg	620	
Operating pressure	bar	350	
Operating pressure rotation	bar	190-210	
Oil flow	l/min	90	
Oil flow rotation	l/min	15	
Capacity	kN	30	
Article number		1610.0022	




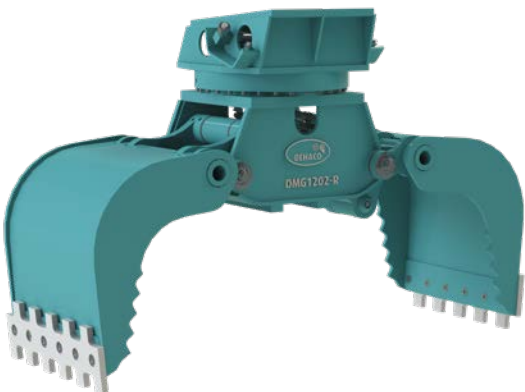
Carrier weight class  10 - 16 ton			DMG603-R
Operational weight	kg	800	
Operating pressure	bar	350	
Operating pressure rotation	bar	190-210	
Oil flow	l/min	100	
Oil flow rotation	l/min	25	
Capacity	kN	35	
Article number		1610.0024	



Carrier weight class  12 - 20 ton			DMG803-R
Operational weight	kg	1.020	
Operating pressure	bar	350	
Operating pressure rotation	bar	190-210	
Oil flow	l/min	120	
Oil flow rotation	l/min	25	
Capacity	kN	46	
Article number		1610.0028	

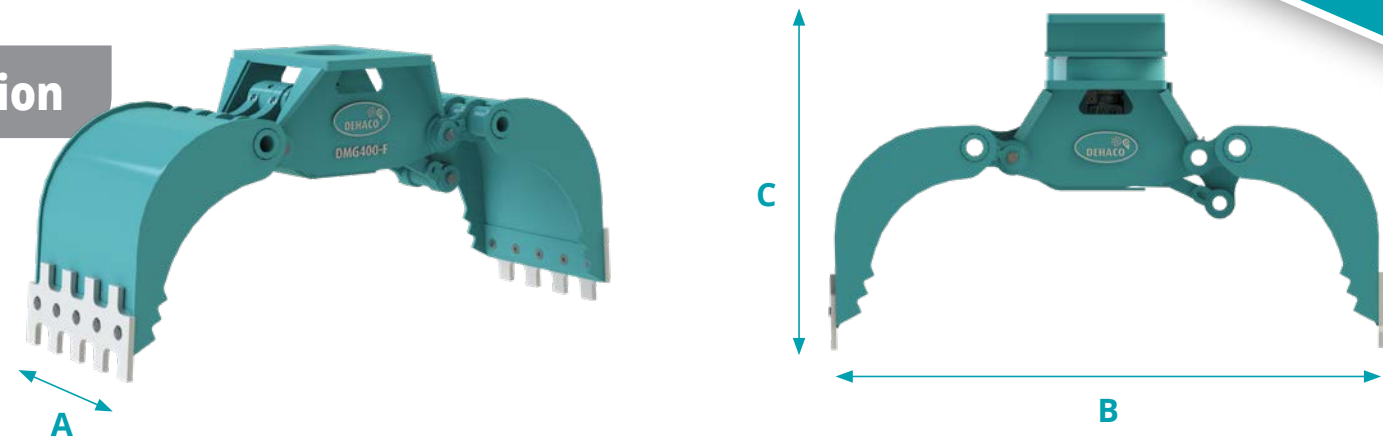


Carrier weight class  17 - 28 ton			DMG1202-R
Operational weight	kg	1.460	
Operating pressure	bar	350	
Operating pressure rotation	bar	190-210	
Oil flow	l/min	160	
Oil flow rotation	l/min	35	
Capacity	kN	68	
Article number		1610.0032	



Hydraulic multi grabs

DMG150-F - DMG1202-F without rotation




Technical specifications

		DMG150-F	DMG250-F	DMG400-F	DMG450-F	DMG452-F	DMG502-F	DMG603-F	DMG803-F	DMG1202-F
Carrier weight class <sup>(1)</sup>	t	1,5-3	2,5-5	4-6	5-8	6-11	7-12	10-16	12-20	17-28
Operational weight <sup>(2)</sup>	kg	95	190	280	330	355	520	560	795	1.160
Nr. of cylinders		1	1	1	1	1	1	1	2	2
Operating pressure	bar	300	300	300	300	320	350	350	350	350
Oil flow	l/min	25	35	40	50	70	90	100	120	160
Shell width A	mm	370	400	500	600	500	600	600	700	800
Width opened B	mm	750	1.160	1.400	1.500	1.550	1.800	1.800	1.950	2.100
Height C	mm	700	850	950	1.000	1.100	1.150	1.200	1.300	1.500
Capacity	l	58	80	125	170	140	300	300	440	640
Closing force	kN	15	20	23	24	24	30	35	46	68
Article number		1610.0009	1610.0012	1610.0015	1610.0017	1610.0020	1610.0023	1610.0026	1610.0030	1610.0033


(1) Weights only apply to standard carriers.  
Each deviation must be agreed upon with Dehaco and/or manufacturer of the carrier prior to assembly.  
(2) Net weight including top bracket and replaceable cutting edges (approximate).




# Hydraulic multi grabs without rotation

Carrier weight class  1,5 - 3 ton			DMG150-F
Operational weight	kg	95	
Operating pressure	bar	300	
Oil flow	l/min	25	
Closing force	kN	15	
Article number		1610.0009	




Carrier weight class  2,5 - 5 ton			DMG250-F
Operational weight	kg	1	
Operating pressure	bar	300	
Oil flow	l/min	35	
Closing force	kN	20	
Article number		1610.0012	




Carrier weight class  4 - 6 ton			DMG400-F
Operational weight	kg	280	
Operating pressure	bar	300	
Oil flow	l/min	40	
Closing force	kN	23	
Article number		1610.0015	




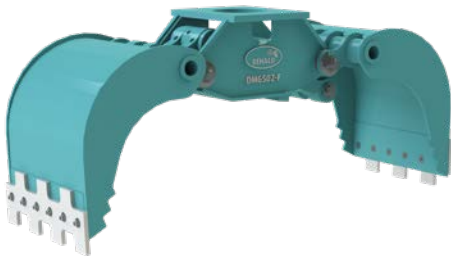
Carrier weight class  5 - 8 ton			DMG450-F
Operational weight	kg	330	
Operating pressure	bar	300	
Oil flow	l/min	50	
Closing force	kN	24	
Article number		1610.0017	




Carrier weight class  6 - 11 ton			DMG452-F
Operational weight	kg	355	
Operating pressure	bar	320	
Oil flow	l/min	70	
Closing force	kN	24	
Article number		1610.0020	




Carrier weight class  7 - 12 ton			DMG502-F
Operational weight	kg	520	
Operating pressure	bar	350	
Oil flow	l/min	90	
Closing force	kN	30	
Article number		1610.0023	




Carrier weight class  10 - 16 ton			DMG603-F
Operational weight	kg	560	
Operating pressure	bar	350	
Oil flow	l/min	100	
Closing force	kN	35	
Article number		1610.0026	



Carrier weight class  12 - 20 ton			DMG803-F
Operational weight	kg	795	
Operating pressure	bar	350	
Oil flow	l/min	120	
Closing force	kN	46	
Article number		1610.0030	



Carrier weight class  17 - 28 ton			DMG1202-F
Operational weight	kg	1.160	
Operating pressure	bar	350	
Oil flow	l/min	160	
Closing force	kN	68	
Article number		1610.0033	





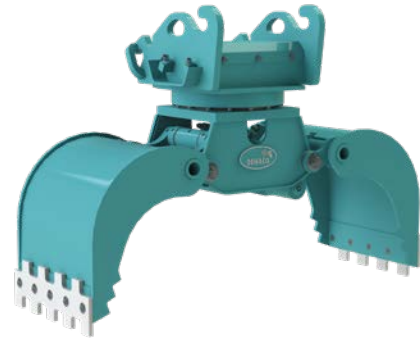
## Hydraulic multi grabs

### Adapters

Suspension systems are available for any type of excavator and weight class. In Dehaco's range you can find the following adapters:

- CW Verachttert adapter
- OilQuick adapter
- Lehnhoff MS adapter
- Engcon S adapter
- Hydrema adapter
- Terex Fuchs MHL adapter
- Hitachi ZX adapter
- Atlas TC adapter
- Liebherr LH adapter

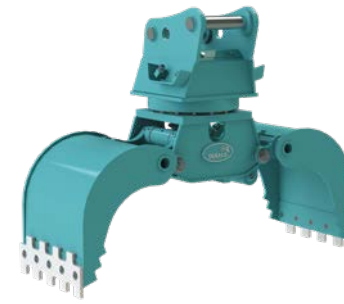
Is your adapter not listed?  
Ask us about the possibilities!



■ CW Verachttert universal suspension



■ Flat top bracket



■ Suspension with **fixed pins** for quick couplings hooked in-between. Example: Engcon S-, Hydrema, Lehnhoff.



■ Suspension with **loose pins** for suspension with direct connection. Example: Terex Fuchs, Hitachi, Liebherr.

Attachment brackets  
for hydraulic quick  
coupler systems >>>



■ OilQuick



■ Lehnhoff

CW Verachttert



OilQuick OQ80



Engcon S



Lehnhoff





# Dehaco Products



**Hydraulic Attachments**



**Dust suppression systems**



**Safety Products**

For more information contact your dealer:



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