

DSG



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**Hydraulic demolition
and sorting grabs**


DEHACO

English

Waste processing



Moving construction materials



Dehaco hydraulic demolition and sorting grabs

Once a Dehaco hydraulic grab has its claws in something, it is not very likely to drop it again. The weight of the grabs is relatively low and the volume is large, and yet they are very powerful, reliable and user friendly. They are the result of the experience that Dehaco has gained in more than 30 years.

The perforations in the shells provide the operator with an optimum view on his work, enabling him to work with the required precision. The dust seal of the hinges provides a lasting, trouble-free operation.

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 model weighs 40 kg and has a 30 litre capacity. The largest grab is a 13,000 kg giant with a capacity of no less than 4,600 litres.

From the DSG603 up, all models are provided with two rotation motors, ensuring a much better distribution of forces on the slewing ring. The models upwards from DSG803 are made with two cylinders for an optimum power distribution, allowing the shells to close simultaneously.

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

Rental is a good way to discover what Dehaco's grabs are capable of. A guide with rental equipment can be found on our website: www.dehaco.nl

Models with a slewing ring have an unprecedented manoeuvrability, due to a 360° hydraulic rotation.

Renovation and demolition applications



Sorting of scrap metal



Separation of various construction materials



Chapter	Page
Features of hydraulic demolition and sorting grabs	4-5
Demolition and sorting grabs with rotation	6-13
Demolition and sorting grabs without rotation	14-15
Adapters	16-17

Features

Hydraulic demolition and sorting grabs

360° hydraulic rotation

High manoeuvrability due to 360° hydraulic rotation - DSG-R

Dual rotation motors

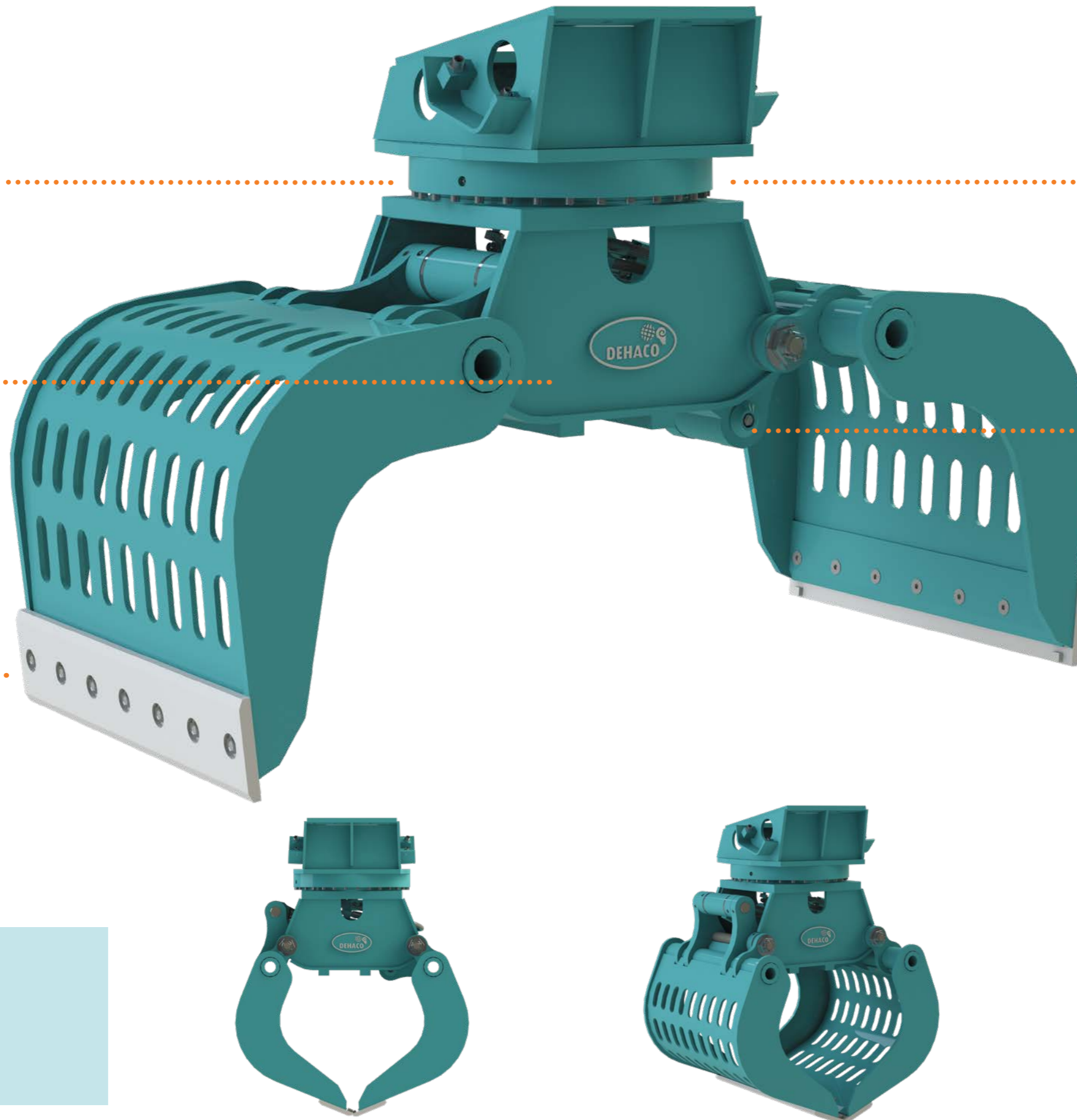
From the DSG603-R up, all models are equipped with dual rotation motors. A great benefit of this is that power distribution on the slewing ring is much better.

Cutting edges

From the DSG250-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
- Equipped with a closed shell instead of perforated shells



Slewing ring

All DSG-R demolition and sorting grabs are equipped with a substantial slewing ring. As a result, all models are ultimately suitable for the heaviest applications, even for demolition work.

Optimum power distribution due to double cylinder

From the DSG803 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

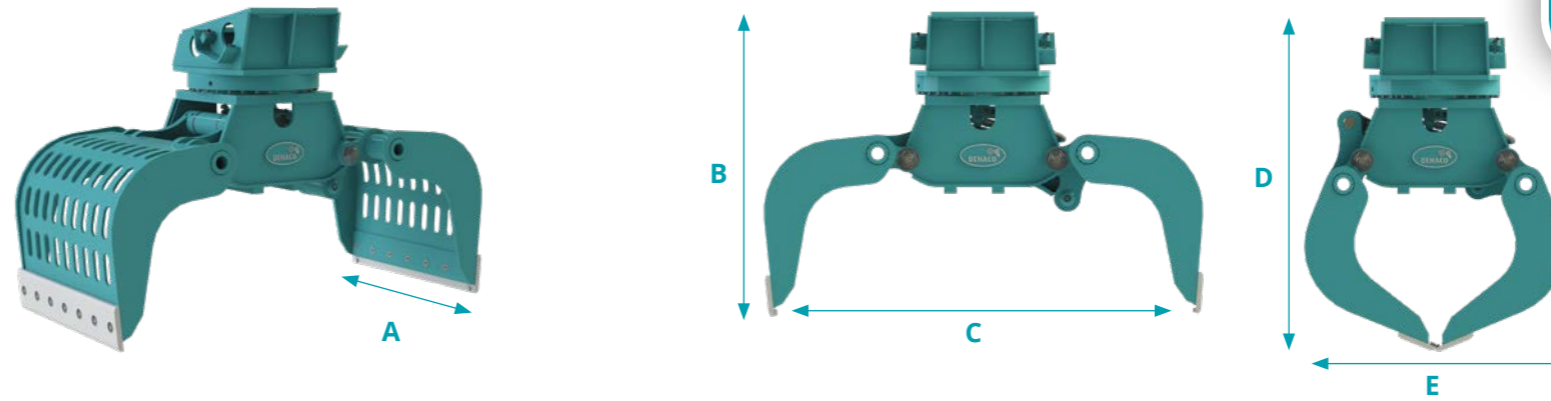
Due to the special cylinder design and the equaliser, movement is kept to a minimum, resulting in almost no wear to the internal hoses.

Cylinders with cushion dampening

DSG demolition and sorting 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 demolition and sorting grabs

DSG70-R - DSG13000-R with rotatie



Technical specifications

		DSG70-R	DSG100-R	DSG150-R	DSG250-R	DSG400-R	DSG450-R	DSG452-R	DSG502-R	DSG603-R	DSG803-R	DSG903-R	DSG1003-R	DSG1102-R
Carrier weight class ⁽¹⁾	t	0,7-1,2	1-2	1,2-3	2,5-4	4-6	5-8	6-11	7-12	10-16	12-20	13-20	16-20	16-25
Operational weight ⁽²⁾	kg	75	90	140	240	350	400	450	600	775	935	985	995	1.400
Nr. of cylinders		1	1	1	1	1	1	1	1	1	2	2	2	2
Nr. of rotation motors		1	1	1	1	1	1	1	1	2	2	2	2	2
Operating pressure	bar	300	300	300	300	300	300	320	350	350	350	350	350	350
Operating pressure rotation	bar	170-210	170-210	170-210	170-210	190-210	190-210	190-210	190-210	190-210	190-210	190-210	190-210	190-210
Oil flow	l/min	15	20	25	35	40	50	70	90	100	120	120	120	150
Oil flow rotation	l/min	5	5	10	10	12	12	15	15	25	25	25	25	35
Shell width A	mm	300	350	450	500	600	700	700	600	800	800	900	1.000	900
Height opened B	mm	595	610	650	710	880	900	990	1.050	1.140	1.245	1.245	1.245	1.465
Width opened C	mm	600	770	800	1.160	1.400	1.500	1.550	1.700	1.750	1.950	1.950	1.950	2.100
Height closed D	mm	600	670	670	810	1.010	1.055	1.156	1.235	1.318	1.465	1.465	1.465	1.665
Width closed E	mm	430	500	545	785	850	890	885	1.055	1.070	1.170	1.170	1.175	1.300
Capacity	l	30	40	70	100	150	200	200	300	400	500	600	700	750
Closing force	kN	6	7	15	20	23	24	24	30	35	46	46	46	55
Article number		1210.0018	1210.0001	1210.0006	1210.0010	1210.0014	1210.0016	1210.0062	1210.0037	1210.0055	1210.0057	1210.0058	1210.0059	1210.0025

Technical specifications


		DSG1202-R	DSG1402-R	DSG1702-R	DSG1802-R	DSG1900-R	DSG2500-R	DSG2700-R	DSG3000-R	DSG4000-R	DSG5003-R	DSG8000-R	DSG13000-R
Carrier weight class ⁽¹⁾	t	17-28	20-28	23-30	24-35	25-38	28-40	30-50	30-50	40-65	45-100	70-120	100-200
Operational weight ⁽²⁾	kg	1.500	1.600	1.750	1.800	1.900	2.500	2.700	3.000	3.910	5.040	7.250	13.000
Nr. of cylinders		2	2	2	2	2	2	2	2	2	2	2	2
Nr. of rotation motors		2	2	2	2	2	2	2	2	2	4	4	2
Operating pressure	bar	350	350	350	350	350	350	350	350	350	350	350	350
Operating pressure rotation	bar	190-210	190-210	190-210	190-210	190-210	190-210	190-210	190-210	190-210	190-210	190-250	190-250
Oil flow	l/min	160	160	170	170	180	200	200	200	250	250	320	320
Oil flow rotation	l/min	35	35	35	35	35	35	35	35	40	60	70	100
Shell width A	mm	1.000	1.200	1.200	1.200	1.200	1.200	1.360	1.500	1.500	1.500	1.800	1.800
Height opened B	mm	1.470	1.470	1.430	1.425	1.450	1.635	1.635	1.635	1.800	1.880	2.250	3.135
Width opened C	mm	2.100	2.100	2.250	2.400	2.250	2.250	2.250	2.450	2.850	3.000	3.800	4.400
Height closed D	mm	1.660	1.660	1.695	1.690	1.700	1.830	1.830	1.935	2.050	2.200	-	3.420
Width closed E	mm	1.300	1.300	1.340	1.350	1.340	1.370	1.370	1.475	1.755	1.890	-	2.700
Capacity	l	800	850	900	950	900	1.000	1.100	1.300	1.500	1.600	3.600	4.600
Closing force	kN	68	68	80	80	80	90	90	90	110	130	150	180
Article number		1210.0026	1210.0027	1210.0068	1210.0067	1210.0009	1210.0011	1210.0012	1210.0013	1210.0048	1210.0065	1210.0081	1210.0029

(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 demolition and sorting grabs

Carrier weight class  0,7 - 1,2 ton		DSG70-R
Operational weight	kg	75
Operating pressure	bar	300
Operating pressure rotation	bar	170-210
Oil flow	l/min	15
Oil flow rotation	l/min	5
Capacity	l	30
Article number		1210.0018




Carrier weight class  1 - 2 ton		DSG100-R
Operational weight	kg	90
Operating pressure	bar	300
Operating pressure rotation	bar	170-210
Oil flow	l/min	20
Oil flow rotation	l/min	5
Capacity	l	40
Article number		1210.0001




Carrier weight class  1,2 - 3 ton		DSG150-R
Operational weight	kg	140
Operating pressure	bar	300
Operating pressure rotation	bar	170-210
Oil flow	l/min	25
Oil flow rotation	l/min	10
Capacity	l	70
Article number		1210.0006




Carrier weight class  2,5 - 4 ton		DSG250-R
Operational weight	kg	240
Operating pressure	bar	300
Operating pressure rotation	bar	170-210
Oil flow	l/min	35
Oil flow rotation	l/min	10
Capacity	l	100
Article number		1210.0010




Carrier weight class  4 - 6 ton		DSG400-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	l	150
Article number		1210.0014




Carrier weight class  5 - 8 ton		DSG450-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	l	200
Article number		1210.0016




Carrier weight class  6 - 11 ton		DSG452-R
Operational weight	kg	450
Operating pressure	bar	320
Operating pressure rotation	bar	190-210
Oil flow	l/min	70
Oil flow rotation	l/min	15
Capacity	l	200
Article number		1210.0062




Carrier weight class  7 - 12 ton		DSG502-R
Operational weight	kg	600
Operating pressure	bar	320
Operating pressure rotation	bar	190-210
Oil flow	l/min	90
Oil flow rotation	l/min	15
Capacity	l	300
Article number		1210.0037




Carrier weight class  10 - 16 ton		DSG603-R
Operational weight	kg	775
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	100
Oil flow rotation	l/min	25
Capacity	l	400
Article number		1210.0055



Carrier weight class  12 - 20 ton		DSG803-R
Operational weight	kg	935
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	120
Oil flow rotation	l/min	25
Capacity	l	500
Article number		1210.0057




Hydraulic demolition and sorting grabs

Carrier weight class  **13 - 20 ton** **DSG903-R**


Operational weight	kg	985
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	120
Oil flow rotation	l/min	25
Capacity	l	600
Article number		1210.0058



Carrier weight class  **23 - 30 ton** **DSG1702-R**


Operational weight	kg	1.750
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	170
Oil flow rotation	l/min	35
Capacity	l	900
Article number		1210.0068



Carrier weight class  **16 - 20 ton** **DSG1003-R**


Operational weight	kg	995
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	120
Oil flow rotation	l/min	25
Capacity	l	700
Article number		1210.0059



Carrier weight class  **24 - 35 ton** **DSG1802-R**


Operational weight	kg	1.800
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	170
Oil flow rotation	l/min	35
Capacity	l	950
Article number		1210.0067



Carrier weight class  **16 - 25 ton** **DSG1102-R**


Operational weight	kg	1.400
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	150
Oil flow rotation	l/min	35
Capacity	l	750
Article number		1210.0025



Carrier weight class  **25 - 38 ton** **DSG1900-R**


Operational weight	kg	1.900
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	180
Oil flow rotation	l/min	35
Capacity	l	900
Article number		1210.0009



Carrier weight class  **17 - 28 ton** **DSG1202-R**


Operational weight	kg	1.500
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	160
Oil flow rotation	l/min	35
Capacity	l	800
Article number		1210.0026



Carrier weight class  **28 - 40 ton** **DSG2500-R**


Operational weight	kg	2.500
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	180
Oil flow rotation	l/min	35
Capacity	l	1.000
Article number		1210.0006



Carrier weight class  **20 - 28 ton** **DSG1402-R**

Operational weight	kg	1.600
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	160
Oil flow rotation	l/min	35
Capacity	l	850
Article number		1210.0027




Carrier weight class  **30 - 50 ton** **DSG2700-R**


Operational weight	kg	2.700
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	200
Oil flow rotation	l/min	35
Capacity	l	1.100
Article number		1210.0012




Hydraulic demolition and sorting grabs

Carrier weight class  30 - 50 ton		DSG3000-R
Operational weight	kg	3.000
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	200
Oil flow rotation	l/min	35
Capacity	l	1.300
Article number		1210.0013




Carrier weight class  40 - 65 ton		DSG4000-R
Operational weight	kg	3.910
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	250
Oil flow rotation	l/min	40
Capacity	l	1.500
Article number		1210.0048




Carrier weight class  45 - 100 ton		DSG5003-R
Operational weight	kg	5.040
Operating pressure	bar	350
Operating pressure rotation	bar	190-210
Oil flow	l/min	250
Oil flow rotation	l/min	60
Capacity	l	1.600
Article number		1210.0065



Carrier weight class  70 - 120 ton		DSG8000-R
Operational weight	kg	7.250
Operating pressure	bar	350
Operating pressure rotation	bar	190-250
Oil flow	l/min	320
Oil flow rotation	l/min	70
Capacity	l	3.600
Article number		1210.0081

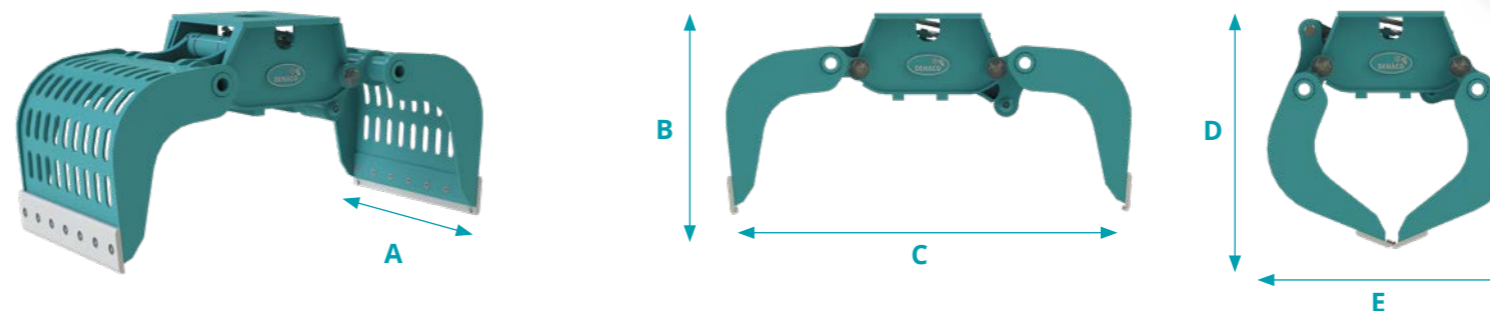


Carrier weight class  100 - 200 ton		DSG13000-R
Operational weight	kg	13.000
Operating pressure	bar	350
Operating pressure rotation	bar	190-250
Oil flow	l/min	320
Oil flow rotation	l/min	100
Capacity	l	4.600
Article number		1210.0029



Hydraulic demolition and sorting grabs

DSG70-F - DSG2500-F without rotation



Technical specifications

		DSG70-F	DSG100-F	DSG150-F	DSG250-F	DSG400-F	DSG450-F	DSG452-F	DSG502-F	DSG603-F	DSG803-F	DSG903-F	DSG1003-F	DSG1102-F
Carrier weight class ⁽¹⁾	t	0,7-1,2	1,2-3	1,2-3	2,5-4	4-6	4-6	6-11	7-12	10-16	12-20	12-20	16-20	16-25
Operational weight ⁽²⁾	kg	40	50	100	200	280	290	300	410	500	775	785	1.170	1.025
Nr. of cylinders		1	1	1	1	1	1	1	1	1	2	2	2	2
Operating pressure	bar	300	300	300	300	300	300	320	350	350	350	350	350	350
Oil flow	l/min	15	25	25	35	40	40	70	90	100	120	120	120	120
Shell width A	mm	300	450	450	500	600	700	700	600	800	800	900	900	900
Height opened B	mm	365	500	500	595	675	705	710	745	760	885	885	885	1.030
Width opened C	mm	600	800	800	1.160	1.400	1.500	1.550	1.700	1.750	1.950	1.950	1.950	2.100
Height closed D	mm	385	540	540	695	840	875	875	925	955	1.105	1.105	1.105	1.240
Width closed E	mm	430	545	545	785	850	890	885	1.055	1.070	1.170	1.170	1.170	1.300
Capacity	l	30	70	70	100	150	150	200	300	400	500	500	500	750
Closing force	kN	6	7	15	20	23	24	24	30	35	46	46	46	55
Article number		1210.0038	1210.0069	1210.0063	1210.0040	1210.0015	1210.0041	1210.0070	1210.0042	1210.0071	1210.0061	1210.0072	1210.0073	1210.0074

Technical specifications

		DSG1202-F	DSG1402-F	DSG1702-F	DSG1900-F	DSG2500-F
Carrier weight class ⁽¹⁾	t	17-28	20-28	23-30	25-38	28-40
Operational weight ⁽²⁾	kg	1.120	1.220	1.300	1.900	2.500
Nr. of cylinders		2	2	2	2	2
Operating pressure	bar	350	350	350	350	350
Oil flow	l/min	150	150	150	180	200
Shell width A	mm	1.000	1.200	1.200	1.200	1.200
Height opened B	mm	1.050	1.050	1.015	1.020	1.190
Width opened C	mm	2.100	2.100	2.250	2.200	2.200
Height closed D	mm	1.230	1.230	1.260	1.270	1.380
Width closed E	mm	1.300	1.300	1.340	1.700	1.830
Capacity	l	750	750	750	900	1.000
Closing force	kN	55	55	55	80	90
Article number		1210.0075	1210.0076	1210.0077	1210.0078	1210.0079



- (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).

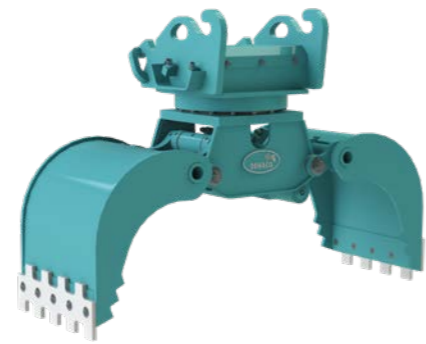
Hydraulic Demolition and sorting grabs

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.



■ OilQuick



■ Lehnhoff

Attachment brackets for hydraulic quick coupler systems >>>



CW Verachttert



Oilquick OQ80



Engcon S



Lehnhoff



DHG603-R

Hydraulic timber grabs

With rotation

Without rotation DHG-F



DHG1402-7T-R

With rotation DHG-7T-R

Without rotation DHG-7T-F



Hydraulic multigrabs

With rotation DMG-R

Without rotation DMG-F



Dehaco Products



Hydraulic Attachments

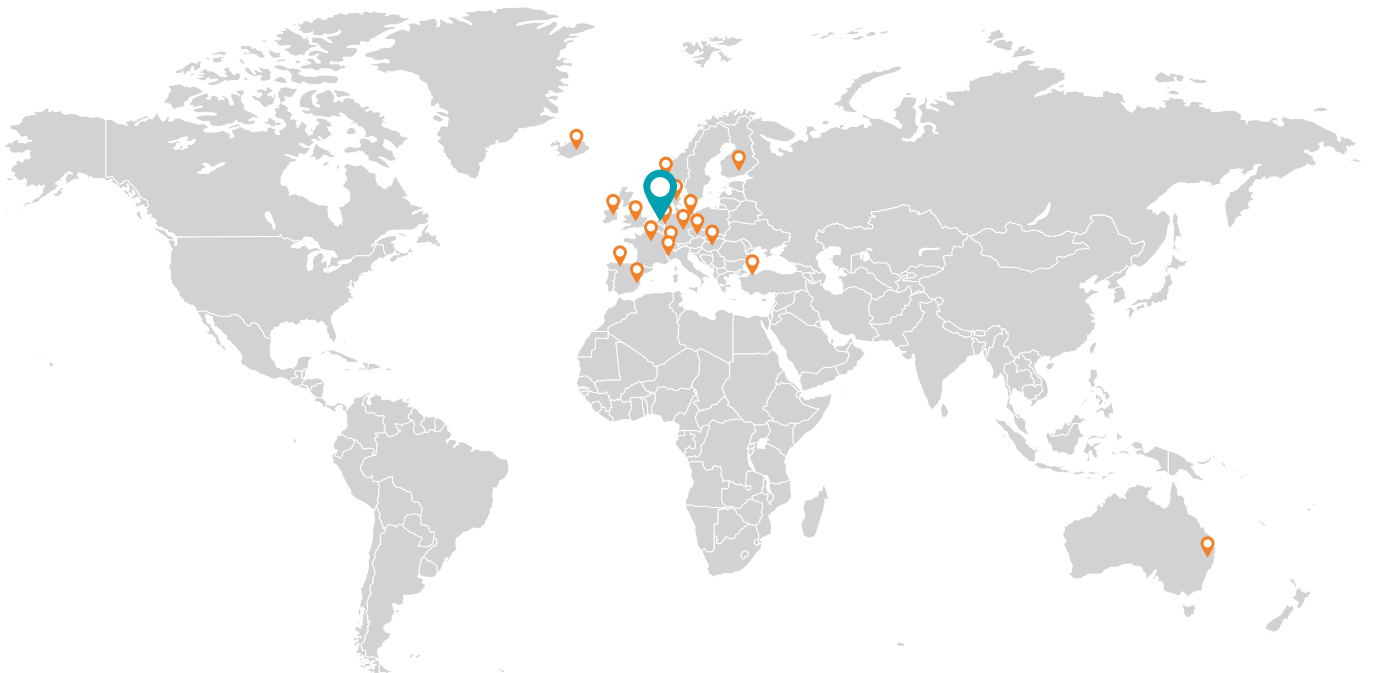


Dust suppression systems



Safety Products

For more information contact your dealer:



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