

ENGLISH





"When the wind of change blows, some people build walls, others build windmills." (Chinese proverb)

Let us build windmills!



As a manufacturer of hydraulic grabs and slewing gears, we develop and produce highly specialized grabs and load suspension devices for miniexcavators from 800 kg to excavators with a service weight up to 400 t. We have been developing our products at the our location in Ilsede nestled between the cities of Braunschweig and Hanover for 33 years.

Our mission is to produce innovations and create products that work as effectively as possible in conjunction with excavators while delivering perfect results. To accomplish this, our design department continuously develops and refines our grabs. We incorporate the insights resulting from the required applications and experiences into our product development.

Everything from a single source for the best possible excavator. This is our team's promise to you. Driven by your enthusiasm, we look forward to more exciting collaboration projects with you.

Helge Schwark
Managing director

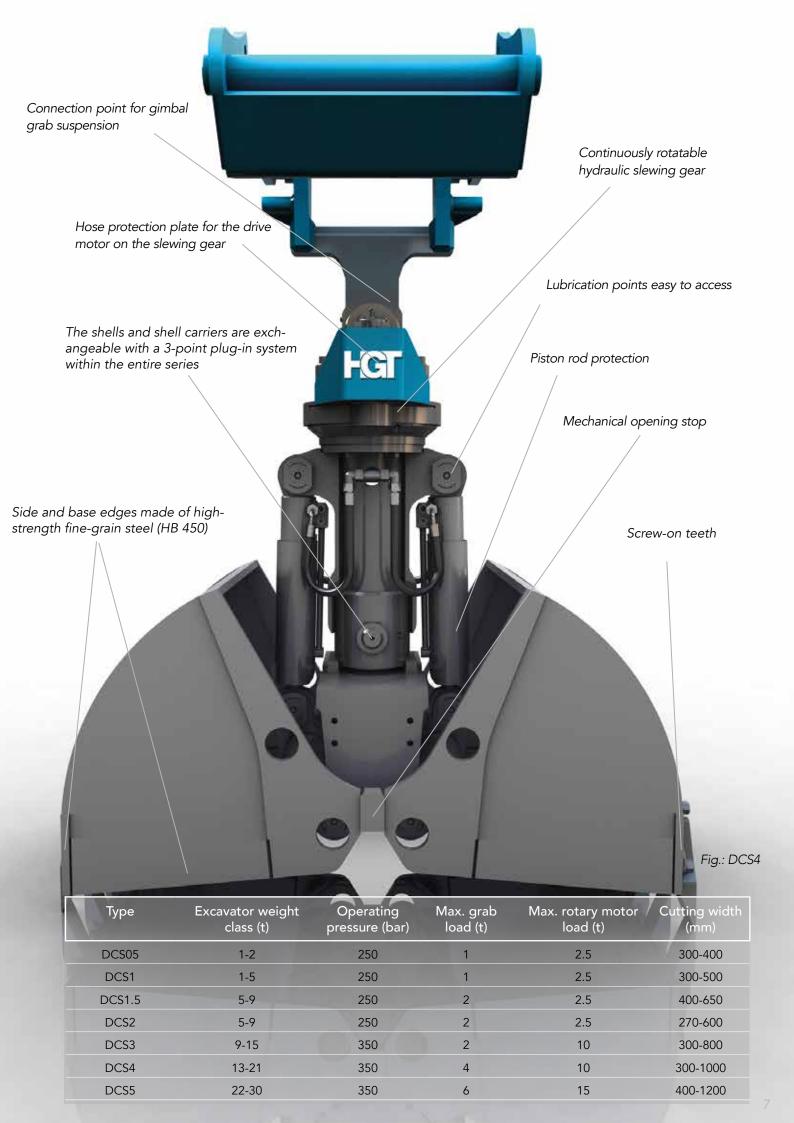




Content

| | About us | 4 |
|----|-------------------------------------------|----|
| 1 | Two-shell excavation grabs | 6 |
| | Modular design and 3-point plug-in system | 8 |
| | Modules for DCS | 9 |
| | Accessories | 10 |
| 2 | Two-shell railroad and track grabs | 12 |
| | Modules for DCS-RW | 14 |
| 3 | Two-shell excavation grabs | 16 |
| 4 | Two-shell loading grabs | 18 |
| | Modules for RCS | 22 |
| 5 | Two-shell loading grabs (P) | 24 |
| 6 | Orange peel loading grabs | 26 |
| | Modules for MT | 28 |
| 7 | Wood loading grabs | 30 |
| | Modules for TG | 34 |
| 8 | Two-shell demolition grabs | 36 |
| | Modules for DG | 38 |
| 9 | Two-shell universal grabs | 40 |
| | Modules for MP | 42 |
| 10 | OQC grabs | 44 |
| | The pendularSquick change system | 47 |
| 11 | Special grabs | 48 |
| 12 | Hydraulic slewing gears | 50 |
| | Slewing gear types | 53 |
| | Function | 54 |
| 13 | Hydraulic slewing gears | 56 |
| | Slewing gear types | 58 |
| | Special designs | 58 |
| | Contact | 59 |

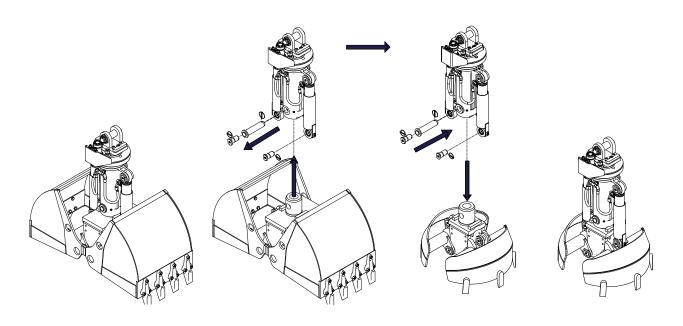
Two-shell excavation grabs Universal grab for typical hydraulic excavator tasks such as excavation and digging natural soil, digging ditches and cable trenches, loading dirt, gravel and sand. HGT Fig.: DCS4



Modular design and 3-point plugin system

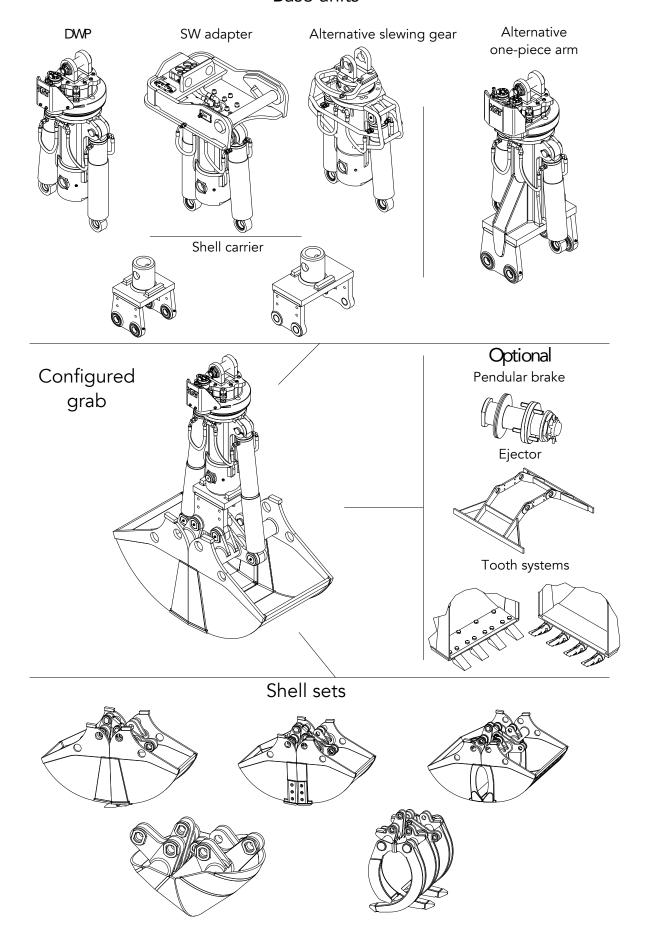
Our grabs feature a modular design, consisting of a base unit, shells and optional accessories. This simplifies the configuration of tailored grabs while lowering costs. Plus, it makes changing wearing parts or even a single module very easy.

Our innovative 3-point plug-in system saves time and money when changing the shells or the base unit. This in turn saves resources and ensures that you always have the right tool at hand, even if your terrain changes.



Example: Changing shells with the 3-point plug-in system.

Modules for DCS



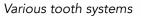
Accessories



On request, we offer all accessories and wearing parts as a comprehensive solution. This means you get the right spare or adaptation for your grab quickly and easily. Our service team is happy to provide you with consultation. Additional accessories on request.





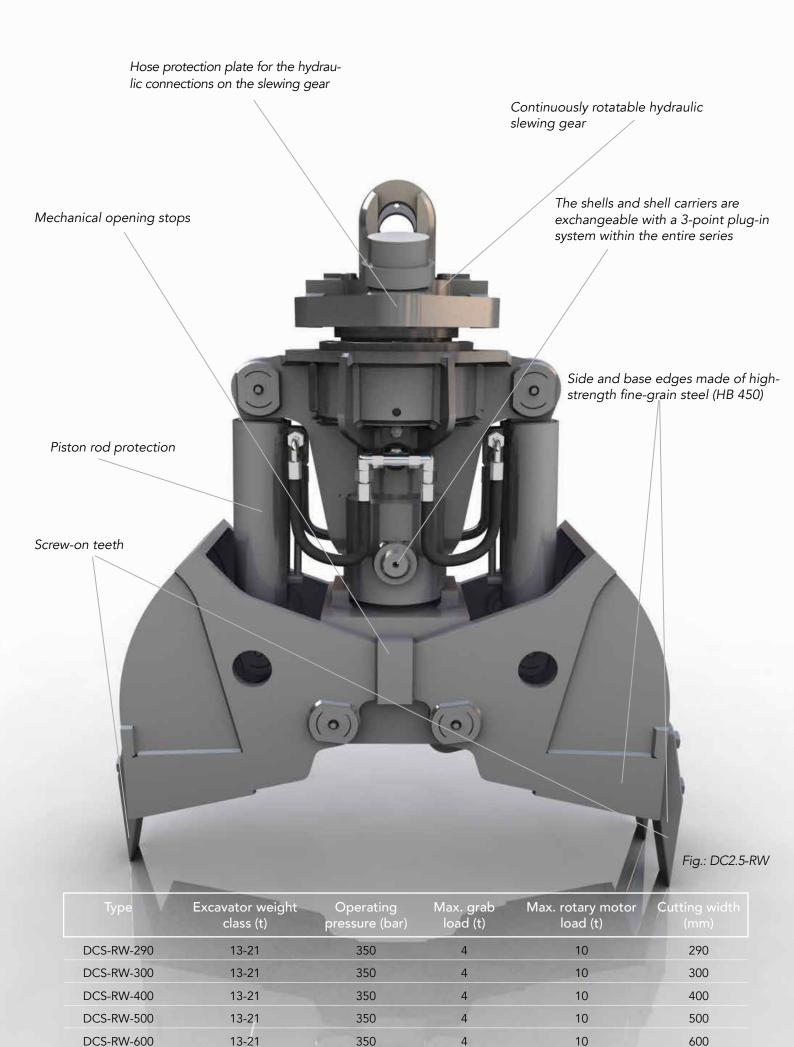






2 Two-shell railroad and track grabs





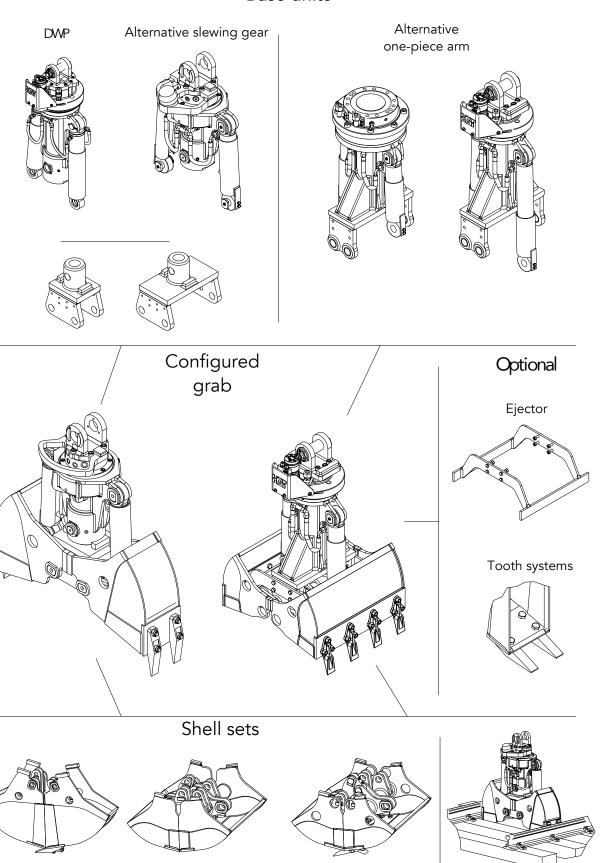
DCS-RW-700

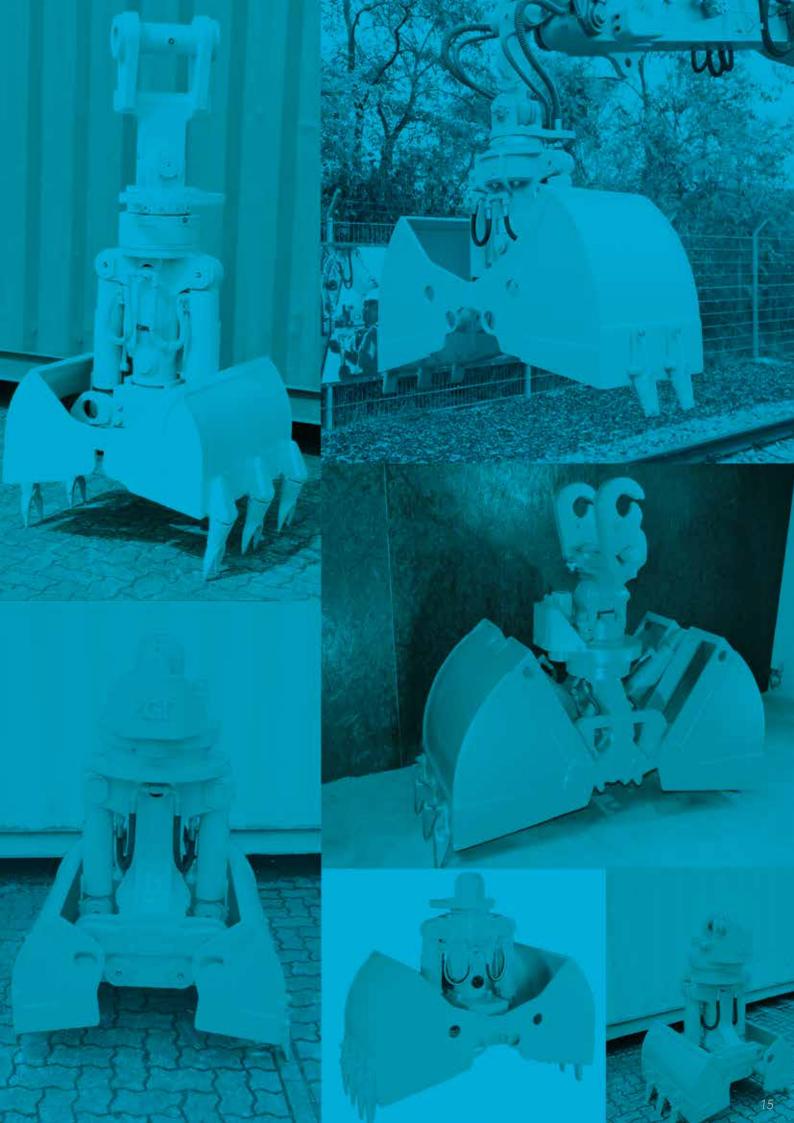
DCS-RW-800

13-21

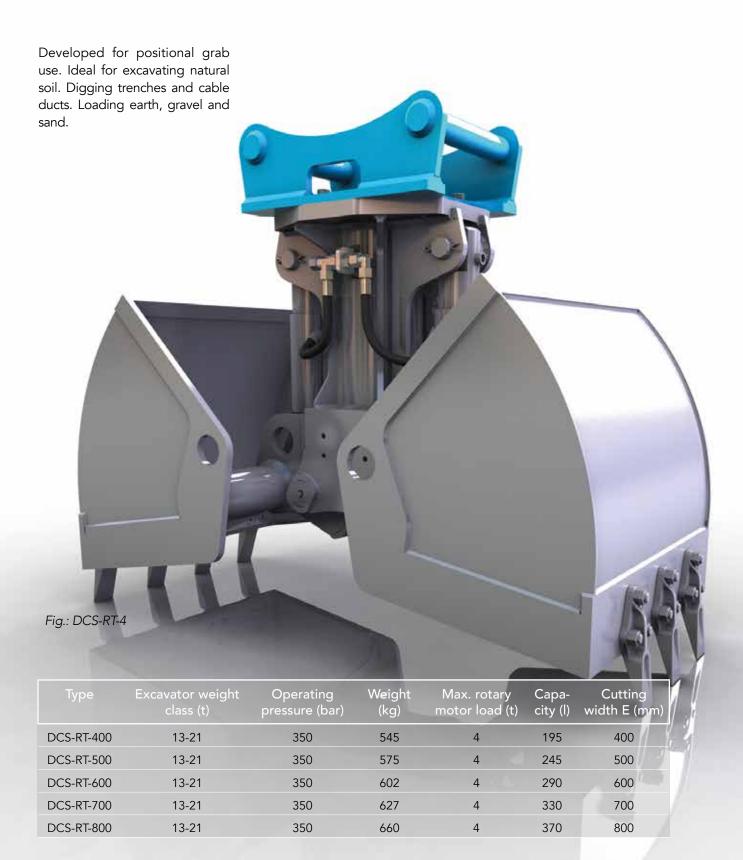
13-21

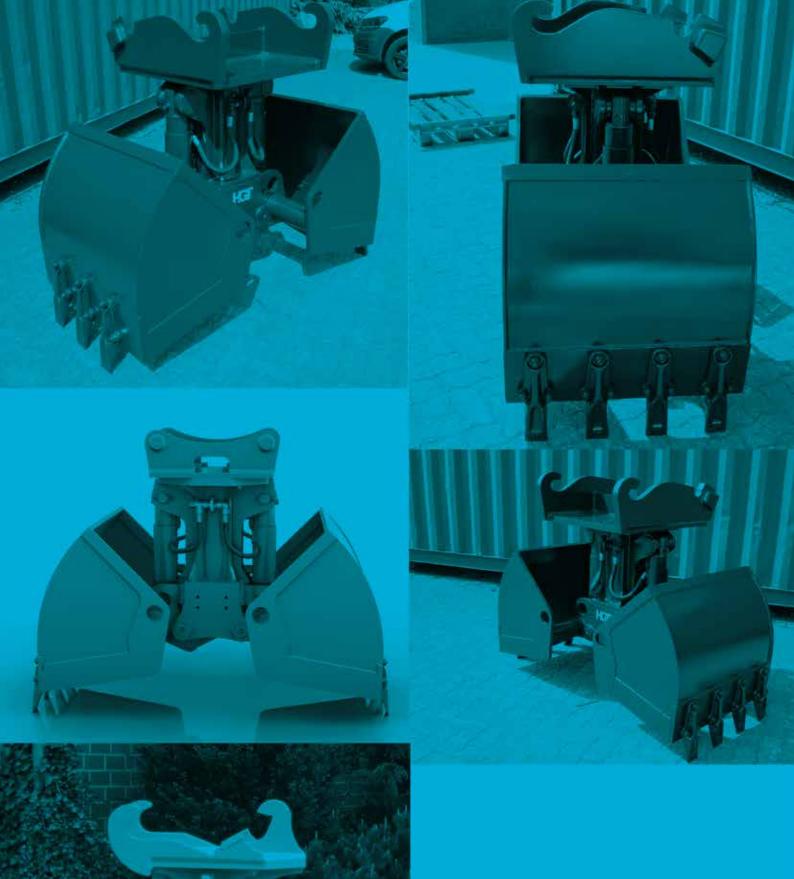
Modules for DCS-RW





3 Two-shell excavation grabs for positionable use

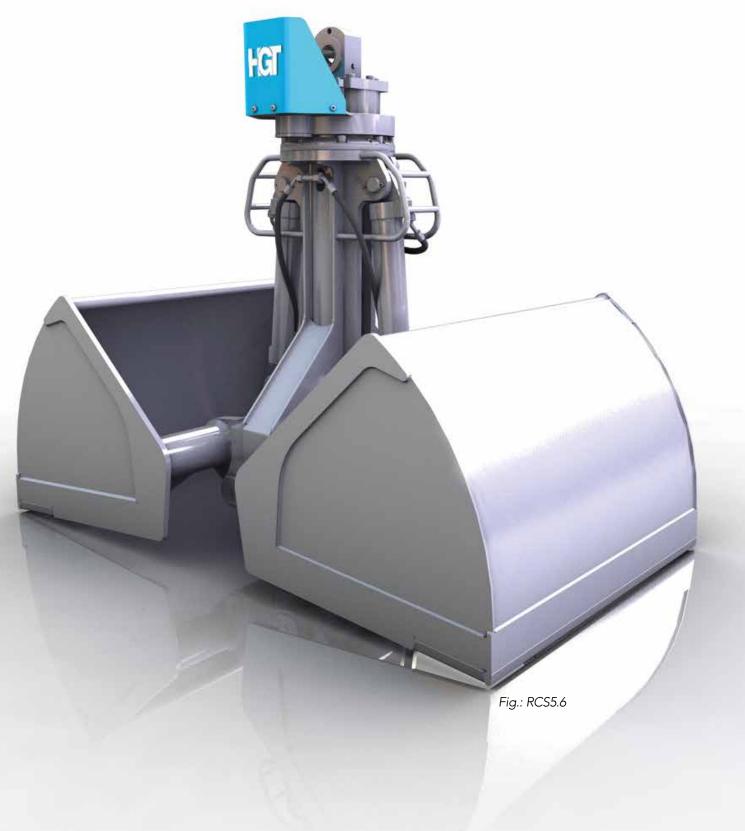




The quick change direct connection is available for all standard, known quick change systems in both fully and semi automatic versions.

4 Two-shell loading grab

Optimized grabs for the transfer of bulk materials such as gravel, sand, pebbles, grain, feed, fertilizer, ore, coal, etc.



Connection point for gimbal grab suspension



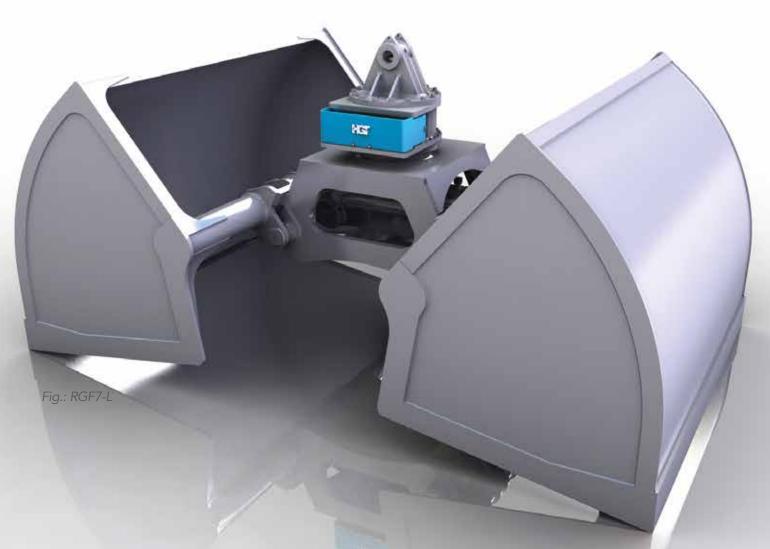
Series RCS7

The RCS7 and the RGF7-L are specially designed for port handling. Thanks to their large loading volume, they are a perfect complement for combined loading cycles, high bearing loads and flexibility of mobile port excavators. With these properties, the RCS7 and RGF7 -L series are and remain the ideal replacement for port grab cable cranes. Thanks to the selection of different shell forms, our grabs adapt to your specific applications and the different bulk materials to be loaded, offering the best possible solution for your tasks.



Series RGF

The RGF series features a low installation height. Thanks to a horizontal cylinder located protected in the arm, it is designed specifically for use in tight spaces. Whether you have to work in a hall or load and unload over board walls and partition walls – no problem for this grab.

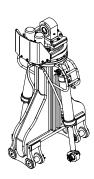


| | | Operating pressure (bar) | Max. grab load (t) | Max. rotary motor load (t) | Capacity SAE (I) |
|--------|-----------|-----------------------------|-----------------------|-------------------------------|---------------------|
| RGF2 | 10-18 | 350 | 2 | 10 | 480-600 |
| RGF4 | 18-30 | 350 | 4 | 15 | 1000-1500 |
| RGF5 | 30-60 | 350 | 6 | 26 | 1500-3000 |
| RGF7-L | up to 390 | 350 | 18 | 35 | 6000-12000 |

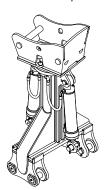
Modules for RCS



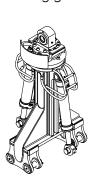
HD version



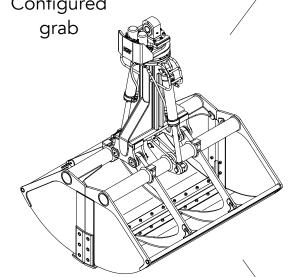
SW adapter



Alternative slewing gear

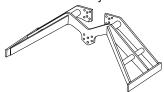


Configured grab

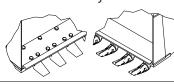


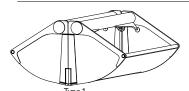


Bolted ejector

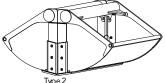


Tooth systems

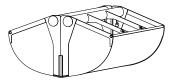




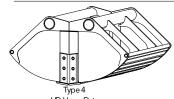
Type 1 Weld-on profile or cutting edge steel Use: Sand and gravel



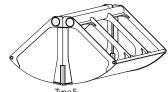
Bolted wearing exchangeable cutting edge
Use: Sand and gravel



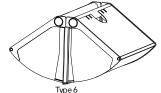
Туре 3 Light material
Use: Grains, free flowing materials



HD-Heavy Duty Material thickness + / cpl HB 450 / wear strips Use: Ore, slag, highly abrasive materials

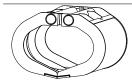


Type 5
Flat bulk material pan for piling handled goods Use: Coal / handled goods with a piling angle >35

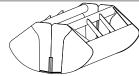


Type 6

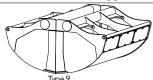
Dust protection cover for flowing materials Edges with overlapping sealing strips Use: Manures, feeds; fine trickling goods



Open shell, high closed back Use: Woodchips



Type 8 Light material
Use: Grains, free flowing materials



Shells with overflow plates Use: flowing materials / materials with a steep piling angle (without plates)



5 Two-shell loading grabs (P)

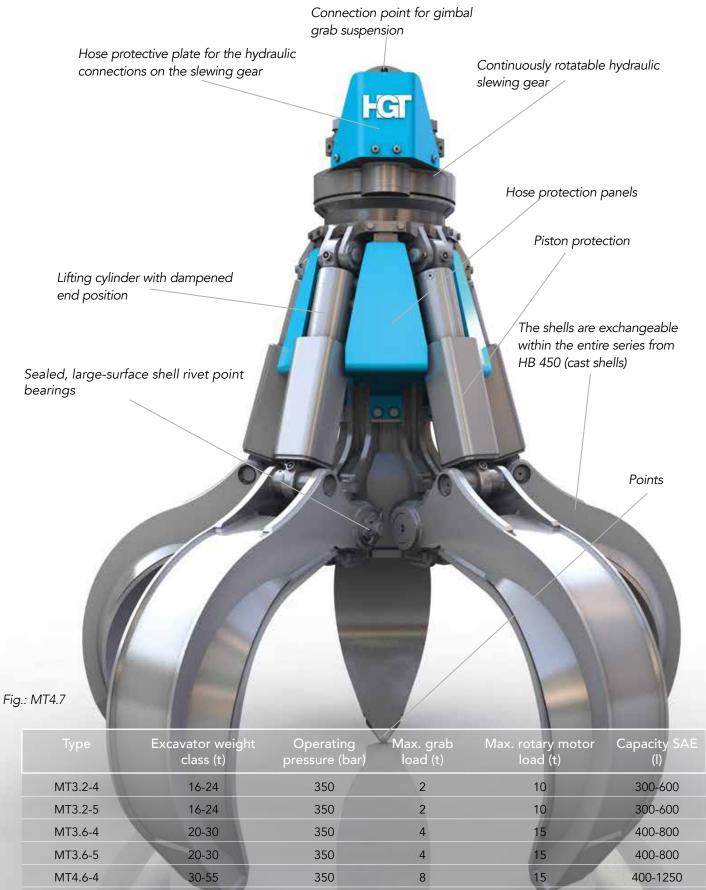


| Туре | Excavator weight class (t) | Operating pressure (bar) | Max. grab load (t) | Max. rotary motor load (t) | Capacity SAE (l) |
|-------------|----------------------------|-----------------------------|-----------------------|-------------------------------|---------------------|
| RCSP-5-1500 | 25-40 | 350 | 6 | 15 | 1500 |
| RCSP-5-2000 | 25-40 | 350 | 6 | 15 | 2000 |
| RCSP-5-2500 | 25-40 | 350 | 6 | 15 | 2500 |



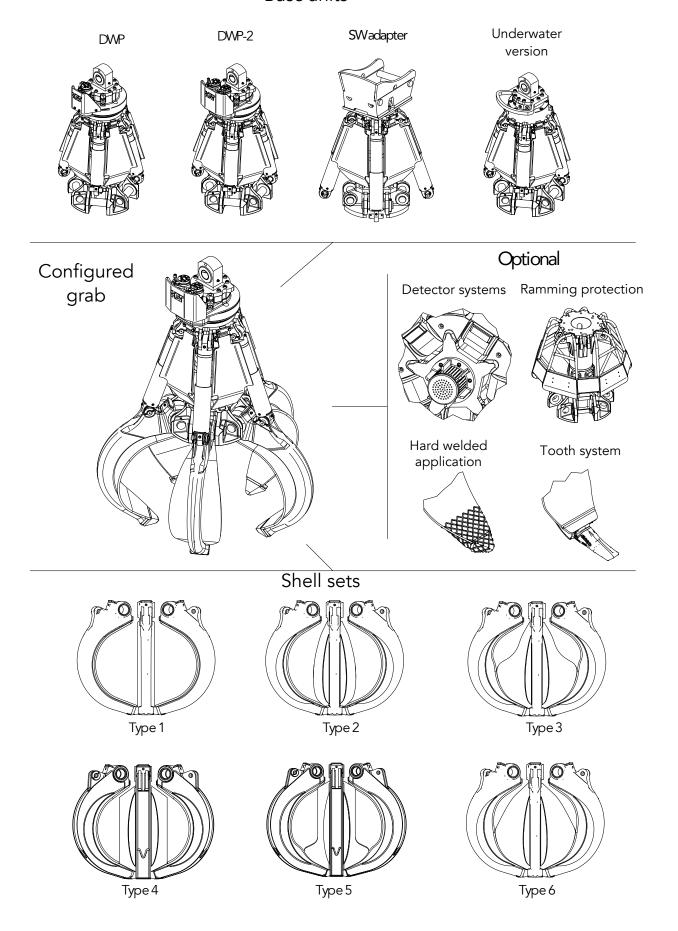
Orange peel grabs





| | class (t) | pressure (bar) | load (t) | load (t) | (l) |
|---------|-----------|----------------|----------|----------|-----------|
| MT3.2-4 | 16-24 | 350 | 2 | 10 | 300-600 |
| MT3.2-5 | 16-24 | 350 | 2 | 10 | 300-600 |
| MT3.6-4 | 20-30 | 350 | 4 | 15 | 400-800 |
| MT3.6-5 | 20-30 | 350 | 4 | 15 | 400-800 |
| MT4.6-4 | 30-55 | 350 | 8 | 15 | 400-1250 |
| MT4.6-5 | 30-55 | 350 | 8 | 15 | 400-1250 |
| MT4.7-4 | 30-55 | 350 | 8 | 15 | 400-1250 |
| MT4.7-5 | 30-55 | 350 | 8 | 15 | 400-1250 |
| MT5.6-4 | 40-70 | 350 | 10 | 26 | 800-2500 |
| MT5.6-5 | 40-70 | 350 | 10 | 26 | 800-2500 |
| MT6.6-5 | 70-100 | 350 | 15 | 35 | 1000-3500 |
| MT7.6-6 | 100-220 | 350 | 15 | 40 | 3000-8000 |
| | | | | | |

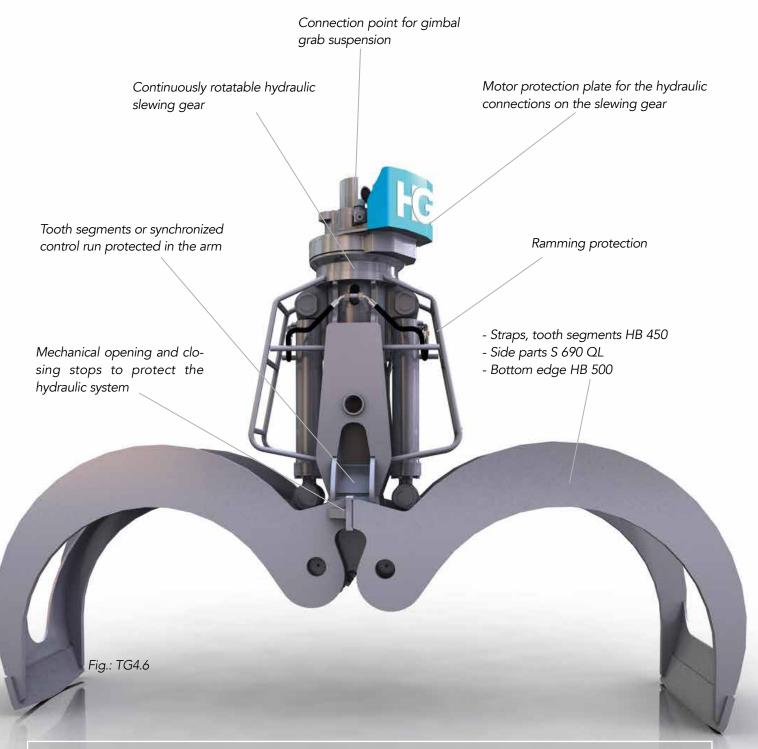
Modules for MT





Wood loading grabs





| Туре | Excavator weight class (t) | Operating pressure (bar) | Max. grab load (t) | Max. rotary motor load (t) | Capacity (m²) |
|--------|----------------------------|--------------------------|-----------------------|-------------------------------|---------------|
| TG1 | 2-7 | 250 | 4 | 2.5 | 0.28-0.35 |
| TG2 | 8-14 | 250 | 4 | 2.5 | 0.4-0.5 |
| TG4 | 15-21 | 350 | 4 | 15 | 0.5-1.0 |
| TG4.6 | 22-35 | 350 | 6 | 15 | 0.8-2.0 |
| FTG4.6 | 20-45 | 350 | 6 | 15 | 0.8-1.7 |
| TG5.6 | 36-80 | 350 | 12 | 26 | 1.25-2.5 |
| FTG5.1 | 30-60 | 350 | 12 | 25 | 1.0-2.0 |
| TGR5.6 | 35-80 | 350 | 12 | 35 | 2.0-3.5 |
| TGP | 25-40 | 350 | 6 | 15 | 0.8-1.2 |

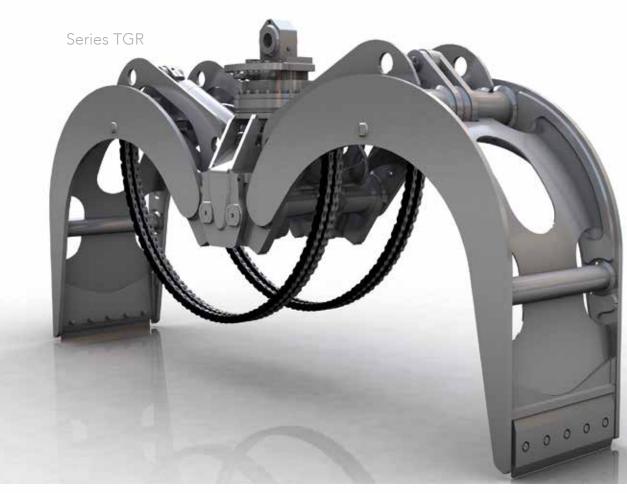


Fig.: TGR5.6



Fig.: FTG4.6-HD



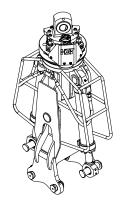


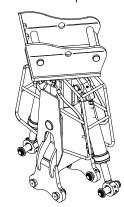
Modules for TG

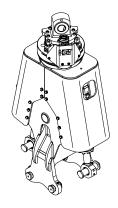


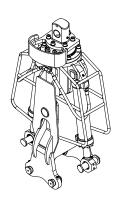
SW adapter

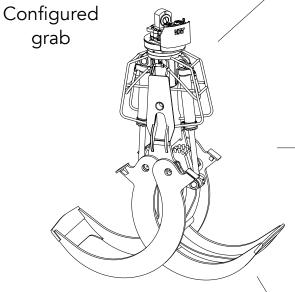
Protective covers Alternative slewing gears









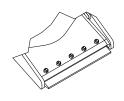


Optional

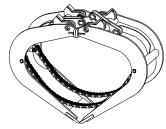
Chains



Exchangeable cutting edge



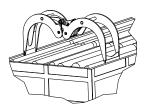
Claws opposite each other Heart form - chain



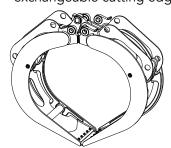
Claws interlocked Form B



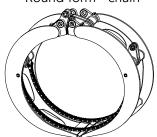
Form W (Car) Claws - outer, vertical



Claws opposite each other HD - exchangeable cutting edge



Claws opposite each other Round form - chain



Form B (box) Claws - inner, vertical





8 Two-shell demolition grabs



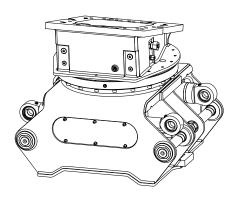


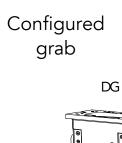
| | Excavator weight class (t) | Operating pressure (bar) | Max. grab load (t) | Max. rotary motor load (t) | Cutting width (mm) |
|-------|----------------------------|--------------------------|-----------------------|-------------------------------|-----------------------|
| DG02 | 0.8-1.5 | 180 | 0.5 | 2.5 | 250 |
| DG05 | 1-2 | 250 | 1 | 5 | 360 |
| DG1 | 3-5 | 250 | 1 | 5 | 400 |
| DG1.5 | 4-7 | 300 | 1.5 | 5 | 500 |
| DG2 | 5-9 | 300 | 2 | 10 | 600 |
| DG3 | 9-15 | 300 | 4 | 15 | 800 |
| DG3.4 | 15-20 | 350 | 4 | 15 | 800 |
| DG4 | 20-25 | 350 | 6 | 20 | 900 |
| DG5 | 25-30 | 350 | 6 | 20 | 1030 |
| DG6 | 29-40 | 350 | 8 | 30 | 1230 |
| | | | | | |

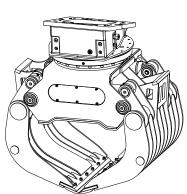
Fig.: DG4

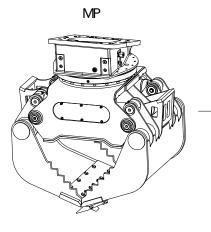
Modules for DG

Base units



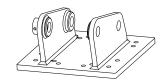




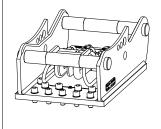


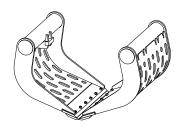
Attachment options

Mounting plate

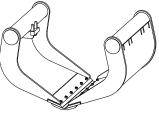


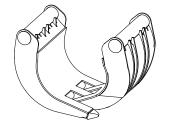
SW adapter

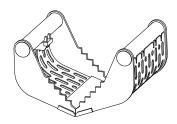


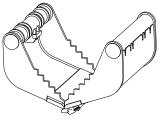






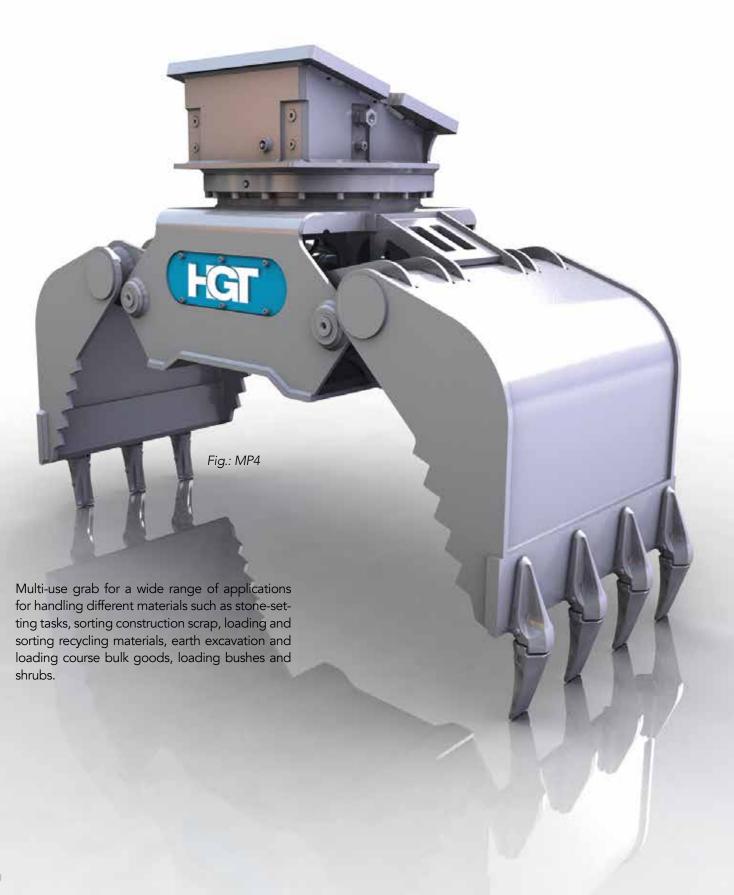


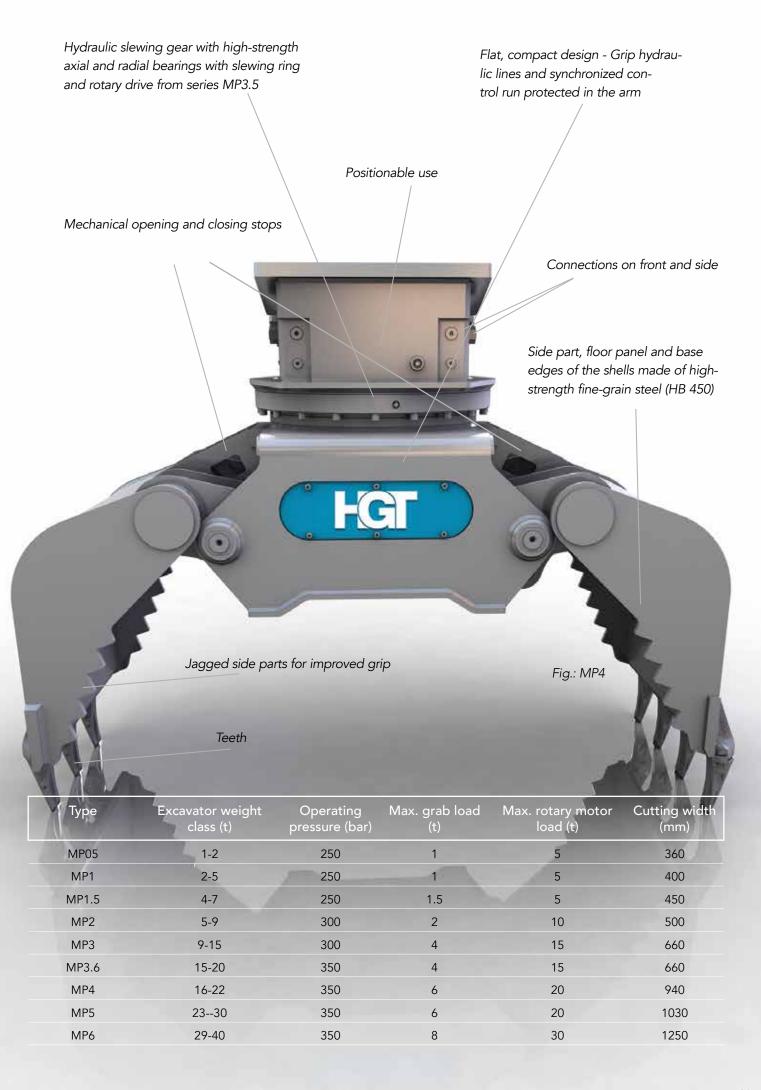






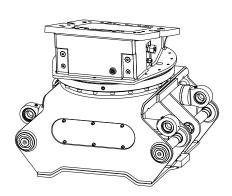
9 Two-shell universal grabs

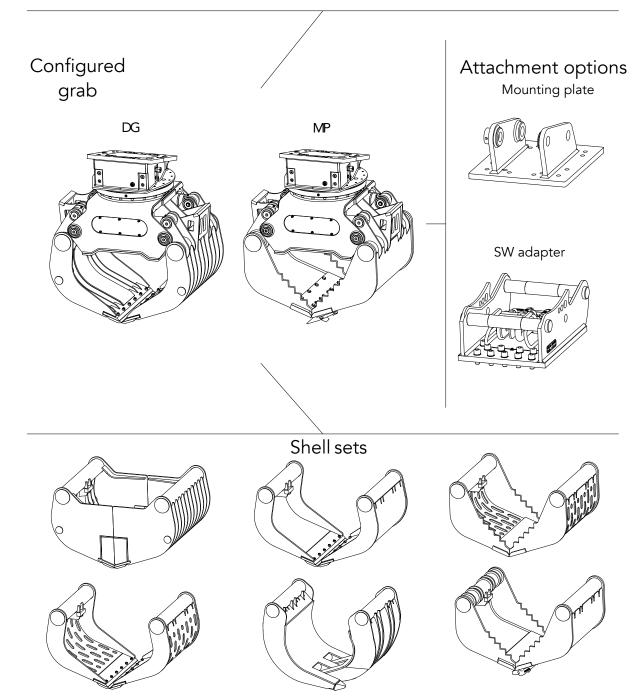




Modules for MP

Base units





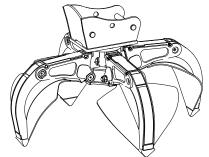


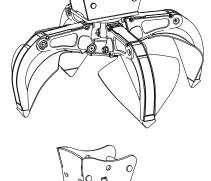
1000C grabs

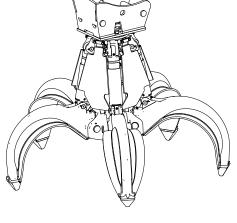
OilQuick quick change systems are considered the most reliable on the market. The equipment includes double hose rupture valves, a system for continuous hydraulic retightening of locking bolts, a dual function lock switch and an acoustic and visual warning signal.

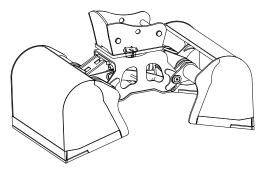


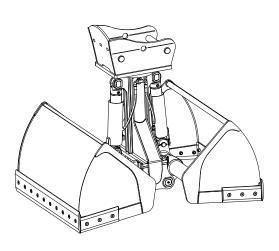












OQC-FMT 4 / 5 arm

| Туре | Excavator class [t] | Capacity [l] |
|------------|---------------------|--------------|
| OQC-FMT3.6 | 18-25 | 300-500 |
| OQC-FMT4 | 20-30 | 400-800 |
| OQC-FMT4.1 | 22-45 | 600-800 |

OQC-MT 4 / 5 arm

| Excavator class [t] | Capacity [l] |
|------------------------|----------------------------------------------|
| 16-24 | 300-600 |
| 20-30 | 400-800 |
| 30-55 | 400-1250 |
| 30-55 | 400-1250 |
| 40-70 | 800-2000 |
| 70-100 | 1000-3500 |
| | class [t] 16-24 20-30 30-55 30-55 40-70 |

OQC-RGF

| Туре | Excavator class [t] | Capacity [l] |
|----------|---------------------|--------------|
| OQC-RGF2 | 10-18 | 480-600 |
| OQC-RGF4 | 18-30 | 1000-1500 |
| OQC-RGF5 | 30-70 | 2000-3000 |
| | | |

OQC-RCS

| Туре | Excavator class [t] | Capacity [l] |
|------------|---------------------|--------------|
| OQC-RCS4.6 | 20-30 | 1000-1600 |
| OQC-RCS-P | 25-40 | 1500-2500 |
| OQC-RCS5.6 | 30-60 | 1500-4000 |
| OQC-RCS6.6 | 46-80 | 2500-4000 |

The pendular quick change system



Over 20 years of experience with fully automatic quick change systems.

Maximum efficiency and flexibility – by using optimal attachments, the machine is a versatile equipment carrier. This enables maximum carrier utilization while optimizing processes.

Secure connections in a matter of seconds – simple, safe exchange of hydraulic, mechanical and electrical devices from within the cab.

Integrated power supply – use of magnetic plates without manual wiring from the machine to the magnetic plate.

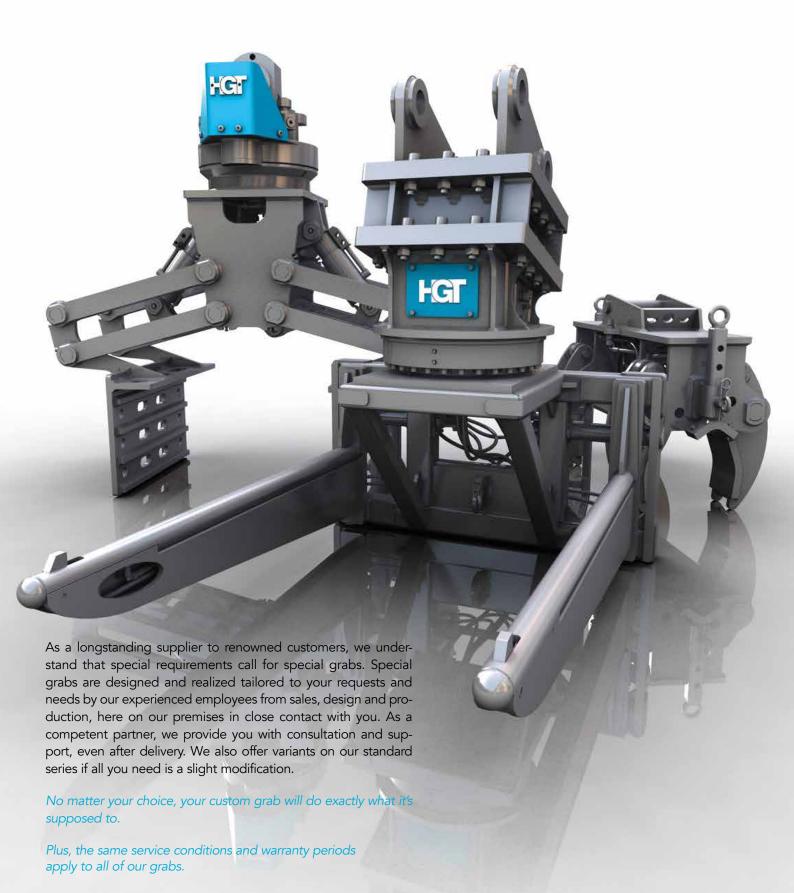
Maximum flexibility – all attachments continuously rotatable thanks to 360° slewing head.

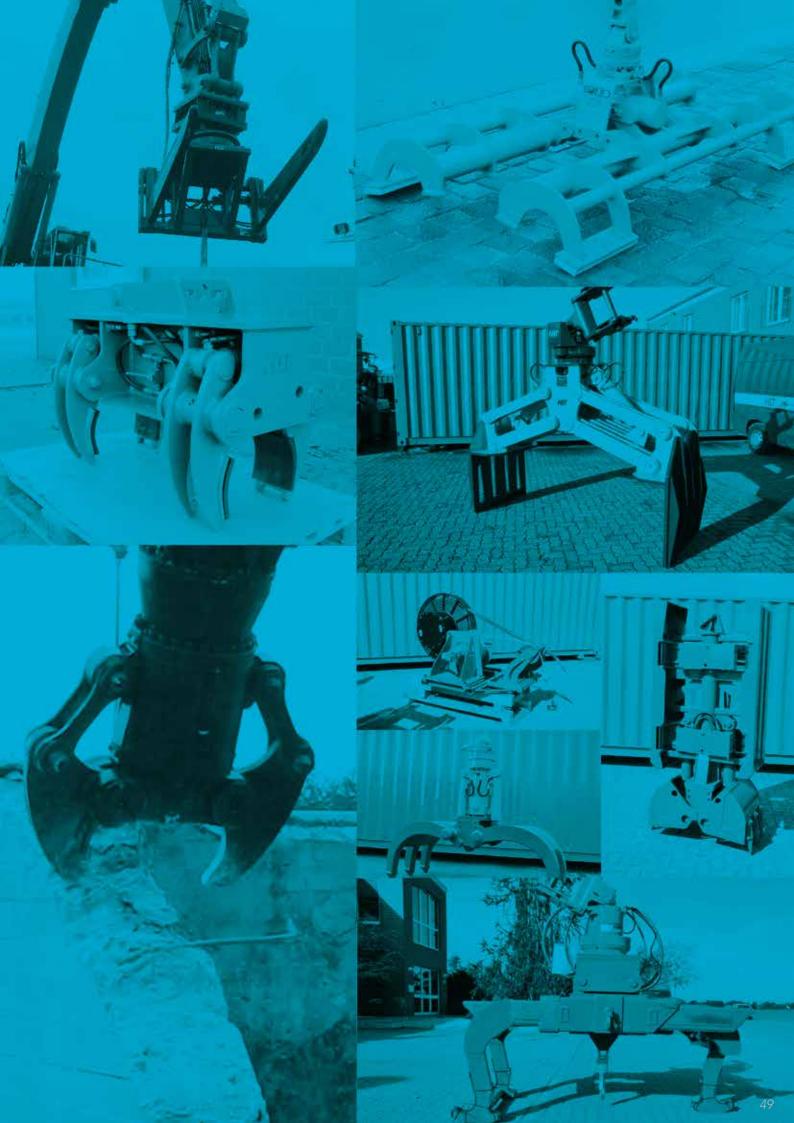
Hydraulic adapter with coupling gear.

Quick change unit with slewing gear.



11 Special grabs

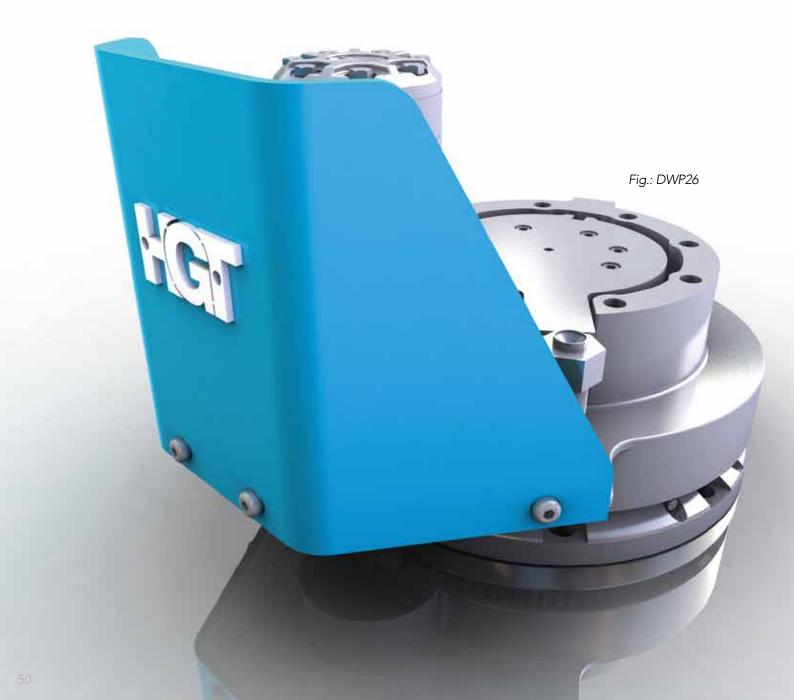




12 Hydraulic slewing gears for suspended loads

DWP slewing gears were designed for use on hydraulic attachments for hydraulic excavators as well as for mobile and stationary handling machines. They perform three functions for operating the attachment:

- Continuous hydraulic rotary drive
- Hydraulic rotating union
- Axial as well as radial support of the attachment in rotary operation



The slewing gear is mounted as a complete unit, which allows the wear component to be quikkly mounted and dismounted. All three functional units work independently. This makes it possible to replace individual components easily and economically in the case of wear or damage, which can be done by personnel with standard metalworker's knowledge. In addition, the structure of the DWP protects the hydraulic system of the carrier against oil contamination from possible bearing wear or slewing drive wear, unlike compact rotators.



| Туре | Max. rotating union | Static load bearing capacity (t) | Slewing operating pressure (bar) | Torque (Nm) | Max. speed (RPM) |
|----------|---------------------|----------------------------------|----------------------------------|-------------|---------------------|
| DWP-10 | 350 | 10 | 140 bar | 2354 Nm | 18 |
| DWP-15 | 350 | 15 | 140 bar | 2789 Nm | 18 |
| DWP-15-2 | 350 | 15 | 140 bar | 4463 Nm | 18 |
| DWP-26 | 350 | 26 | 140 bar | 4600 Nm | 15 |
| DWP-26-2 | 350 | 26 | 140 bar | 7360 Nm | 15 |
| DWP-35-2 | 350 | 35 | 140 bar | 8685 Nm | 10 |
| DWP-40-2 | 350 | 40 | 140 bar | 8448 Nm | 8 |

Available from DWP15 with electrical rotating union for e.g. magnetic systems and control valves.

* Note – hole patterns identical to common compact rotary motor in some cases





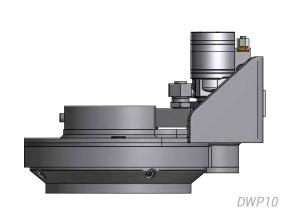
A combination of our slewing gears and a tailored magnet holder ensures secure, efficient working with your magnets. The slewing gears are either available with an electric rotating union for unlimited rotary function or with a mechanical stop to prevent the power cord from being disconnected. Our magnet holders are also available with an OQC adapter to be able to perform this work without leaving the cab.

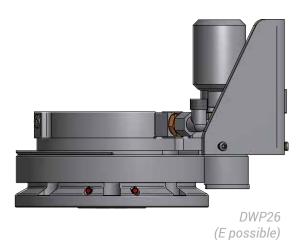


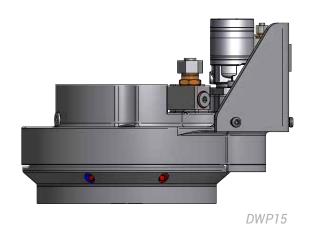
In combination with a SW suspension or OQC adapter, these hydraulic rotating load hooks are a safe alternative to suspending and transporting compact goods without needing to use the grab in a way that is not intended. This solution prevents accidents as well as damage to the grab and load.

Fig. Hydraulic rotating load hook

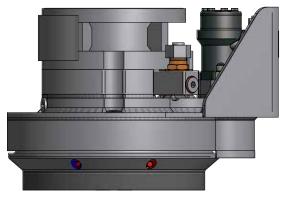
Slewing gear types

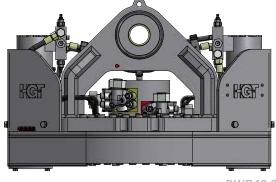








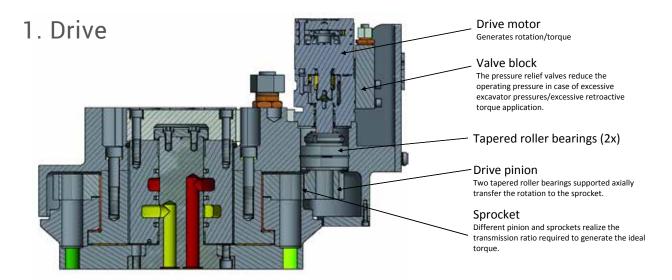




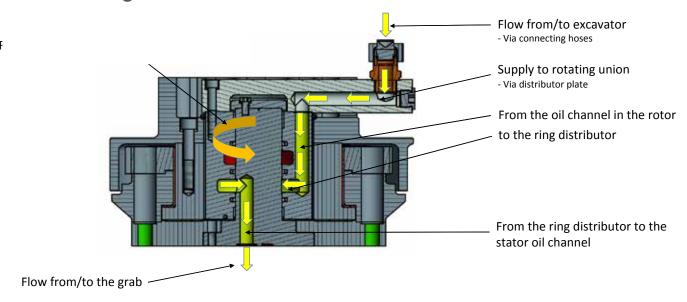
DWP-E15 (E = electrical rotating union)

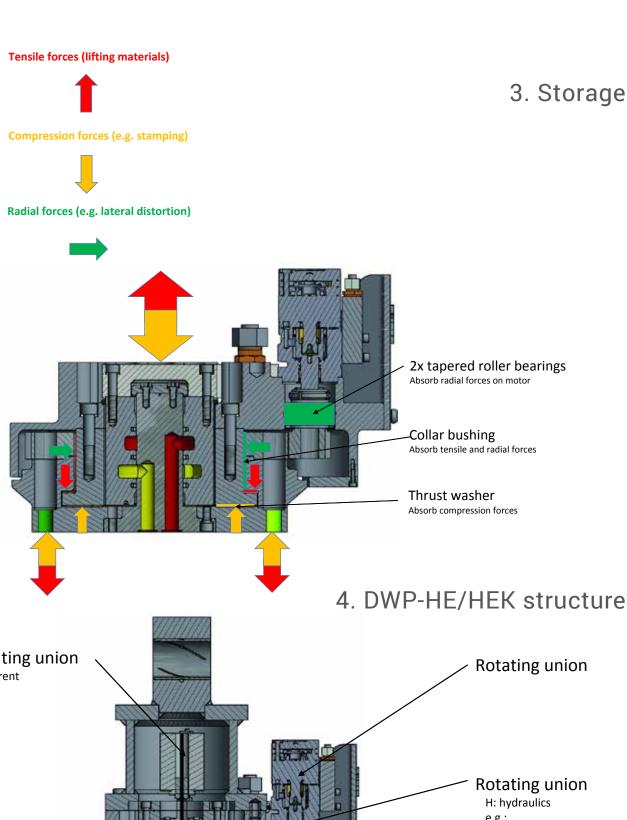
DWP40-2 (E possible)

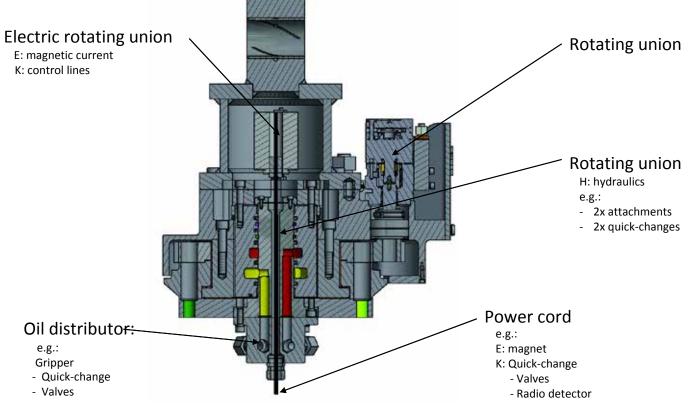
Function



2. Rotating union structure







13 Hydraulic slewing gears for positionable use

The DW series is designed specifically for positional use. High axial and radial loads can be handled thanks to a generously dimensioned housing and 4-point bearings with internal toothing. As with the DWP series, the rotary drive, rotating union and bearing functions all work independently. The slewing gears start at a load bearing capacity of 15 t and reach up to 40 t in increments.

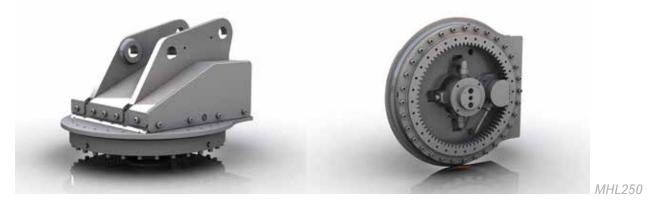




Slewing gear types



Special designs





M818 Direct connection

Contact
Telephone +49 5172 410 09-0
Fax +49 5172 410 09-120

HGT Hydraulikgreifer-Technologie GmbH Handorfer Weg 19

info@hgt-greifer.de www.hgt-greifer.de



