



IDROBENNE®

The grab expert.



1994-2019



Product Catalogue

Edition 19

Profilo aziendale

La Idrobenne progetta, produce e commercializza accessori idraulici di presa per gru da camion ed escavatori idraulici. Presente sul mercato col proprio marchio dai primi anni '90, l'impresa oggi collabora con i più prestigiosi marchi di gru idrauliche e di escavatori, forte della sua indipendenza e dell'esperienza maturata nella propria nicchia di mercato. La Idrobenne può essere considerata un vero "Grab expert", capace di suggerire la migliore risposta alle più diverse esigenze di movimentazione.

La Sede

L'azienda è situata a Isorella, in provincia di Brescia, in un distretto industriale tra i più famosi d'Europa per la produzione metalmeccanica e siderurgica. La Idrobenne ha operato una precisa scelta di qualità e di radicamento nel tessuto produttivo italiano. Per questo non delocalizza la produzione di nessun componente. Tutte le lavorazioni sono effettuate all'interno del proprio stabilimento, al fine di avere un controllo di qualità immediato e costante.

I clienti

La Idrobenne esporta direttamente i propri prodotti in più di 40 Paesi. La missione aziendale è di fornire prodotti tecnologicamente avanzati e affidabili ad una clientela professionale. Per questo il nome Idrobenne è riconosciuto come un marchio di qualità.

I fornitori

I maggiori fornitori della Idrobenne sono selezionatissimi e legati da un rapporto di collaborazione aperto e costruttivo che dura da oltre un decennio. E' infatti innegabile che sia necessario investire nelle fonti di approvvigionamento per offrire un prodotto di alta qualità. I fornitori Idrobenne sono considerati i primi *partners* dell'azienda. I più importanti hanno sede in Italia settentrionale, in Germania e in Svezia.

Company profile

Idrobenne has been manufacturing quality hydraulic grapples for truck cranes and excavators since the early Nineties. Company's own experienced staff carries out all design, engineering, production and final testing. The Company is totally independent from any crane and excavator manufacturer. These factors have helped Idrobenne gain recognition as a leading "Grab expert" throughout the truck crane and excavator attachment industry.

The headquarters.

The Company is located in Northern Italy, near Brescia, where some of the most important European steel companies were born. To ensure highest quality standards, Idrobenne manufactures every component internally, where trained personnel monitor each process. State-of-the-art computer engineering software combines with the most advanced processing machinery for precision parts, in a clean and friendly working environment.

Customers.

Idrobenne deals directly with more than 40 Countries all over the world. Company mission is to supply good quality products to professional and demanding clients. Idrobenne cares about the reliability of its products even in the worst working conditions.

Supplier's policy.

Idrobenne believes suppliers are key partners to its production of quality and innovative products. All main suppliers have been through a long selection process, but now they work as a team with the Company and share the same mission. Some raw materials and components are imported from Germany and Sweden.



Qualità

Per ottenere un prodotto di elevata qualità, l'intero processo costruttivo deve lavorare al meglio. In altre parole, la qualità finale di un prodotto è funzione del livello di qualità di ogni singolo processo che porta al risultato finale.

I nostri punti di forza:

- Software di progettazione e disegno tridimensionale di ultima generazione, costantemente aggiornato
- Sistema di prototipazione virtuale con analisi degli stress e dei fenomeni di fatica
- Materiali di costruzione selezionati e certificati all'origine
- Componentistica di qualità superiore, di produzione esclusivamente europea
- Sistemi oleodinamici provenienti esclusivamente da fornitori certificati ISO 9001
- Personale di grande esperienza qualificato secondo gli standard professionali AWS per le lavorazioni speciali
- Consulenti commerciali disponibili e tecnicamente preparati
- Accurato controllo dei processi
- Documentazione di prodotto completa e aggiornata
- Severo collaudo di tutti i prodotti prima della spedizione
- Controllo di gestione e monitoraggio continuo della soddisfazione dei clienti

ISO 9001:2015

Il sistema di qualità Idrobenne è certificato ai sensi della normativa ISO 9001:2015 per la progettazione, costruzione, commercializzazione, assistenza di polipi ed attrezzature idrauliche per escavatori e gru da camion.

Il processo industriale è quindi organizzato, condotto e controllato in ogni sua fase: dall'ideazione del prodotto alla realizzazione dei diversi componenti che lo costituiscono fino alla verifica della sua perfetta funzionalità.

Quality

It is widely acknowledged that proper quality management improves business, often having a positive effect on investment, market share, sales growth, sales margins, competitive advantage, and avoidance of litigation.

Strengths

- *State of the art, constantly updated 3D drawing software*
- *3D virtual prototype system, to simulate the reactions of new equipment to the most various working conditions*
- *Carefully selected and certified materials*
- *High quality components, all strictly made in Europe.*
- *Top quality hydraulic components, coming from certified suppliers only*
- *Highly trained workers, kept constantly updated by welding and mechanics courses, AWS certified for metal assembly and constructions*
- *Customer oriented, very professional commercial staff*
- *Step by step process controlling*
- *Accurate product documentation and user friendly operating manuals*
- *Severe product testing before shipping*
- *Constantly updated customers' satisfaction reports*

ISO 9001:2015

Idrobenne is ISO 9001:2015 certified in design, construction, commercialisation, servicing of hydraulic grabs and equipment for excavators and truck cranes.

Industrial process is organized, managed and verified at any stage: from product design, to component assembly, to the severe performance testing

Our qualified workers are regularly trained to the newest welding, assembly and testing techniques. Incoming materials and components are regularly checked.



Le maestranze qualificate partecipano regolarmente a corsi di aggiornamento sulle tecniche di saldatura, assemblaggio e collaudo, sulle lavorazioni meccaniche di precisione, sul controllo della qualità in ingresso ed in uscita dal proprio reparto.

È stato avviato, strutturato e incoraggiato il sistema per il miglioramento continuo di processo e prodotto.

Il Sole primo fornitore di energia

L'azienda, tra le prime in Italia, si è dotata di un impianto fotovoltaico da 150 Kw, integrato nell'edificio della Sede di Isorella, che contribuisce a circa la metà del fabbisogno energetico interno. Anche per questo siamo orgogliosi di affermare che le nostre attrezzature sono veramente ecologiche!



Step by step process improvement is promoted and rewarded at any level.

Solar power

The most important element confirming Idrobenne's commitment on environmental policy has been the installation of a 150 Kw solar PowerStation on the top of its headquarters in Isorella. So, nearly a half of the energy used for the production comes from the cleanest and most renewable of the power sources. This allows Idrobenne to say that its products are really environmental-oriented!



1994-2019

25 anni insieme... grazie!

In occasione del 25° anniversario della Idrobenne vorremmo esprimere tutta la nostra gratitudine a chi ha contribuito alla crescita della nostra azienda. Sfogliando i nostri primi cataloghi, ci siamo resi conto di quanto tempo sia passato e di quanto la nostra impresa sia cresciuta. Da una piccola officina artigiana, ci siamo trasformati in una realtà produttiva apprezzata in tutto il mondo.

Il nostro grazie va in primo luogo al personale che, con quotidiano impegno, costruisce i nostri prodotti con la massima cura. Ringraziamo poi i consulenti e i fornitori: buona parte del nostro successo è merito del loro prezioso contributo e della loro seria collaborazione. La nostra grande riconoscenza va infine alla clientela: grazie per aver scelto le attrezzature Idrobenne e per aver riposto in noi la vostra fiducia! Siamo convinti che, col nostro impegno e col vostro appoggio, ci ritroveremo a festeggiare insieme molti altri traguardi!

25 years together... thank you!

On the 25th anniversary of Idrobenne, we would like to express our gratitude to those who have contributed to the growth of our company. Browsing through the pages of our first catalogs, we realized how much time has passed and how much our corporation has grown. From a small artisan workshop, we turned into an industrial player with dealers all over the world.

Our thanks go first and foremost to our employees who, with daily commitment, build our products with the utmost care. We also thank our consultants and suppliers: a large part of our success is due to their valuable contribution and their serious cooperation. Finally, our great gratitude goes to our customers: thank you for choosing Idrobenne products and for continuing to place your trust in us! We are sure that, with the commitment and support of you all, we'll celebrate many other goals together!

Isorella, aprile 2019

Paolo e Francesco Piccinelli



Orange peel grabs

- Compact 6-7
- Heavy duty compact 8-9
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Sorting and demolition grapples 12-13



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Pallet forks 26



Wallboard forks 27



Railway equipment

- Grabs for sleepers 28
- Grabs for rails 29
- Propping grab 30

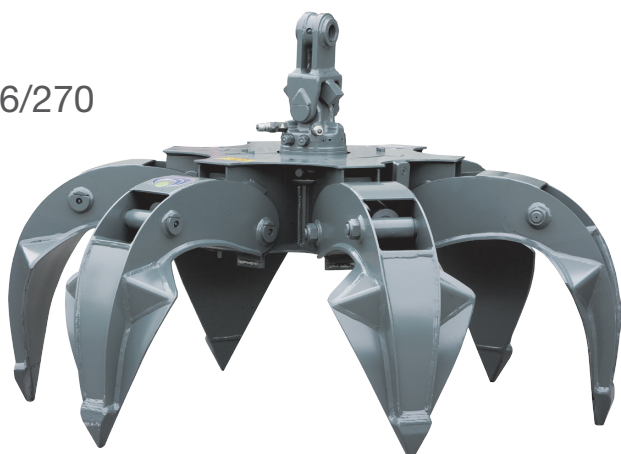
Orange peel grapples for rocks 31

Hydraulic rotators 32

Cross-reference listing grapple / operating machine 34

Compact orange peel grab for metal scrap and loose materials.

PFO-6/270

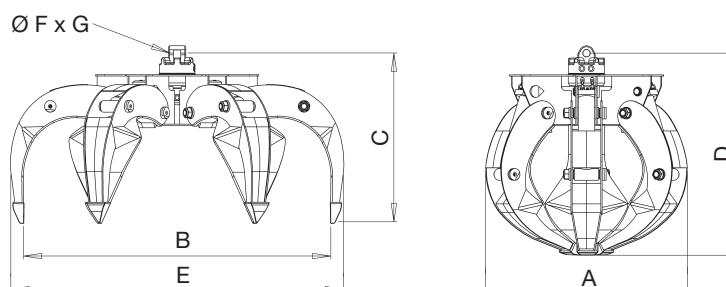


PFO-4/300



Model	Jaws n.	Cap. l.	Weight Kg.	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm	Ø F x G mm
PFO - 4/100	4	100	125	1000	220	750	1070	580	750	1200	25x30
PFO - 5/100	5	100	140	1500	220	750	1070	580	750	1200	25x30
PFO - 4/120	4	120	220	1500	220	850	1170	690	850	1350	30x60
PFO - 4/180	4	180	250	1500	220	920	1400	760	990	1570	30x60
PFO - 5/220	5	220	280	2000	220	970	1450	780	990	1600	30x60
PFO - 5/250	5	250	330	2500	220	1000	1430	750	920	1620	32x80
PFO - 6/270	6	270	400	3000	220	1020	1500	750	920	1650	32x80
PFO - 4/300	4	300	360	2500	220	1110	1600	850	1010	1750	32x80
PFO - 5/300	5	300	430	3000	220	1160	1600	850	1010	1750	32x80
PFO - 6/320	6	320	470	3000	220	1160	1720	950	1010	1870	32x80
PFO - 5/400	5	400	540	3000	220	1250	1860	870	1050	2010	35x80
PFO - 6/400	6	400	590	3000	220	1250	1860	870	1050	2010	35x80

Technical Data



Accessories

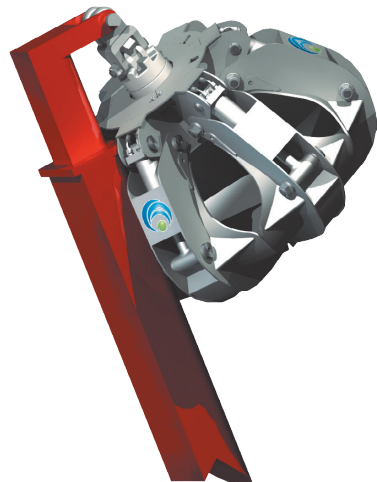
GRM 4 T	Mechanical, free 250° rotation (without hydraulic supply)
GRI 4 T/S	Hydraulic rotator from PFO 5/100 until PFO 4/180
GRI 5 T/S	Hydraulic rotator for mod. PFO 5/220
GRI 5 T/SF	Hydraulic rotator from mod. PFO 5/250 until PFO 6/320
GRI 11 T/SF	Hydraulic rotator for mod. PFO 5/400 and PFO 6/400
Top link for crane	Cardan suspension link for truck crane
Top link for excavator	Cardan suspension link for excavator
-SR	Heavy-duty, reinforced version available on demand.

3 different tine shapes available: open, semi-closed (standard), closed.



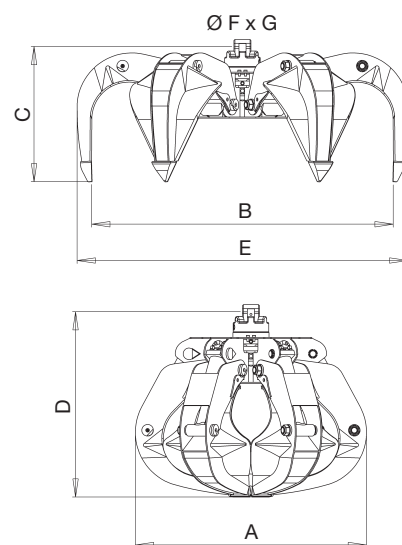
Orange peel grab for foldable truck cranes

- Compact and sturdy design, generous load capacity.
- The hydraulic circuit is perfectly protected into the structure.
- Incorporated hydraulic or mechanical rotation.
- Jaws are made of HB 400 wear-resistant steel, tips are forged.



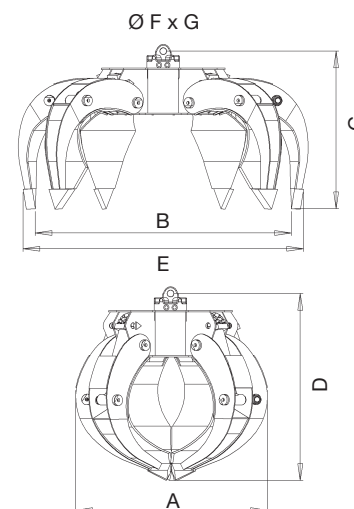
PFO-6/280

Technical Data



Model	Jaws n.	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm	Ø F x G mm
PFO - 6/250	6	250	410	3000	220	1045	1430	715	920	1570	32x80
PFO - 6/280	6	280	430	3000	220	1120	1470	680	850	1590	32x80
PFO - 6/310	6	310	450	3000	220	1200	1620	645	945	1760	32x80

PFO-6/290



Asymmetric version for "Z" cranes:

Model	Jaws n.	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm	Ø F x G mm
PFO - 6/290	6	290	410	3000	220	1050	1500	750	920	1650	32x80

Accessories

GRM 4 T	Mechanical, free 250° rotation (without hydraulic supply)
GRI 5 T/SF	Hydraulic rotator
Top link for crane	Cardan suspension link for truck crane
-SR	Heavy-duty, reinforced version available on demand.

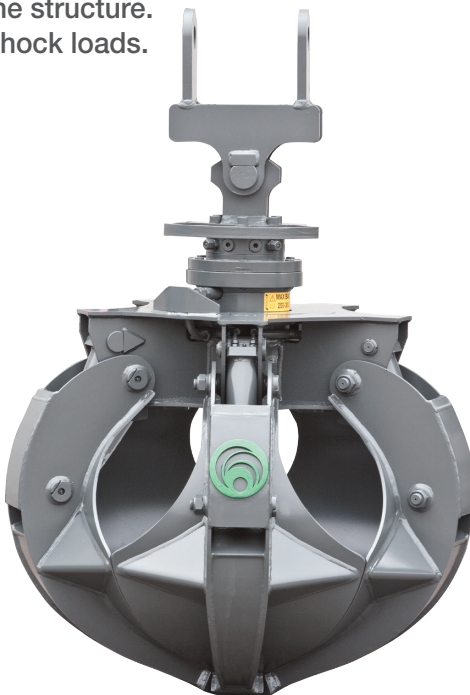
3 different tine shapes available: open, semi-closed (standard), closed.



Compact polyp grab for excavators up to 16 Ton

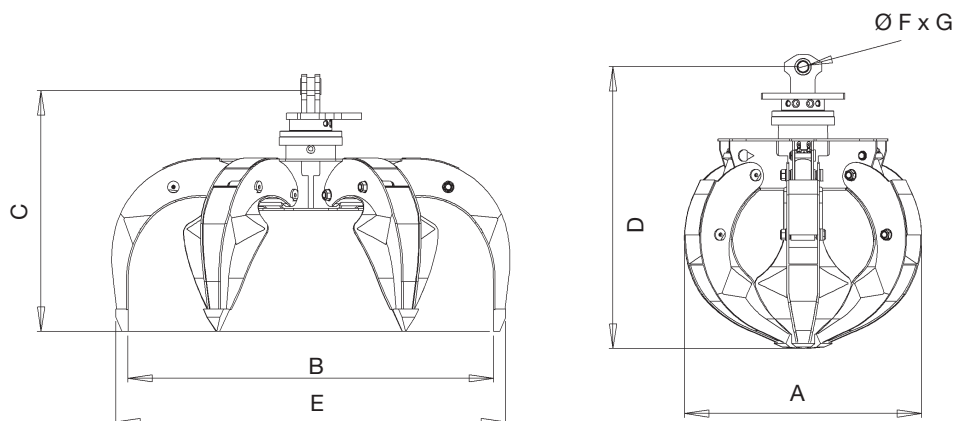
- Reduced overall dimensions to operate in confined spaces
- Jaws and tips are made of HB 400 wear-resistant steel.
- Hydraulic circuit is fully protected into the structure.
- Solid tine stops protect cylinders from shock loads.

PFO-5/400 SR



Model	Jaws n.	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm	Ø F x G mm
PFO - 5/400-SR	5	400	600	3000	300	1250	1860	1150	1350	2010	50x100
PFO - 6/400-SR	6	400	650	3000	300	1250	1860	1150	1350	2010	50x100

Technical Data



Accessories

GRM 6 T	Mechanical, free 250° rotation (without hydraulic supply)
GRI 10 T/P	Hydraulic rotator
Top link for excavator	Cardan suspension link for excavator

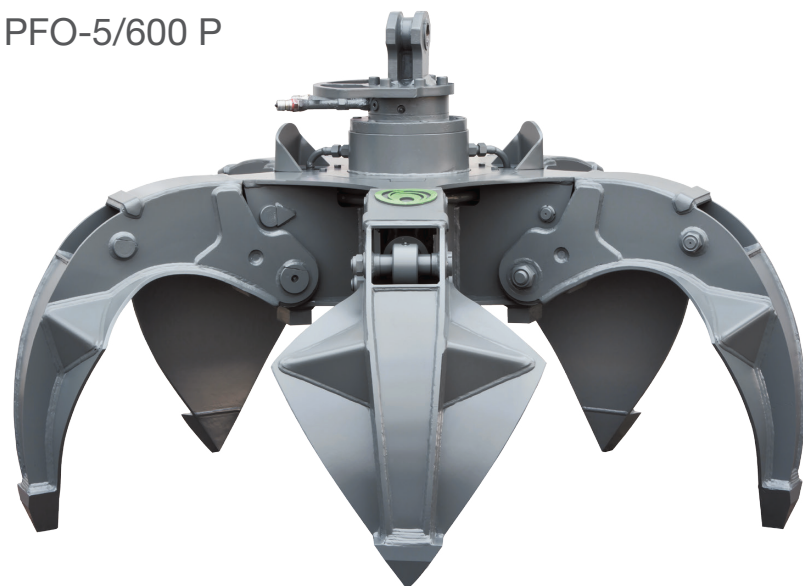
3 different tine shapes available: open, semi-closed (standard), closed.



Compact orange peel grapple for midi-excavators

- The best solution to work indoors or to operate in confined spaces.
- Long tested in the hardest working conditions on site.
- Jaws and tips are made of HB 400 wear-resistant steel.
- Very interesting value for money.

PFO-5/600 P

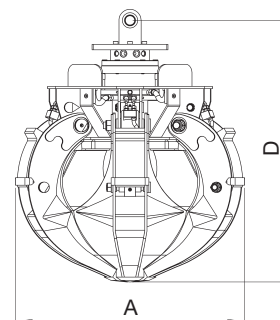
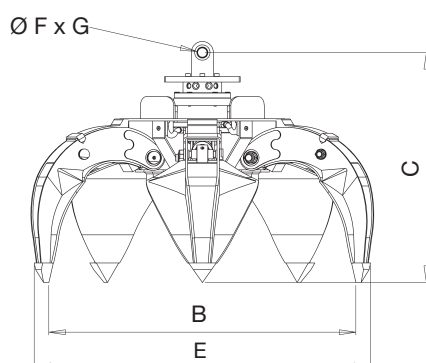


PFO-6/600 P



Model	Jaws n.	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm	Ø F x G mm
PFO - 4/400-P	4	400	700	4000	300	1250	1750	1200	1400	1900	50x100
PFO - 5/400-P	5	400	800	5000	300	1250	1750	1200	1400	1900	50x100
PFO - 6/400-P	6	400	850	5000	300	1250	1750	1200	1400	1900	50x100
PFO - 4/600-P	4	600	800	4000	300	1380	1920	1200	1420	2080	50x100
PFO - 5/600-P	5	600	900	5000	300	1380	1920	1200	1420	2080	50x100
PFO - 6/600-P	6	600	950	5000	300	1380	1920	1200	1420	2080	50x100

Technical Data



Accessories

GRM 10 T	Mechanical, free 250° rotation (without hydraulic supply)
GRI 10 T/P	Hydraulic rotator
Top link for excavator	Cardan suspension link for excavator
Cylinder protection	Protections for hydraulic cylinder

3 different tine shapes available: open, semi-closed (standard), closed.



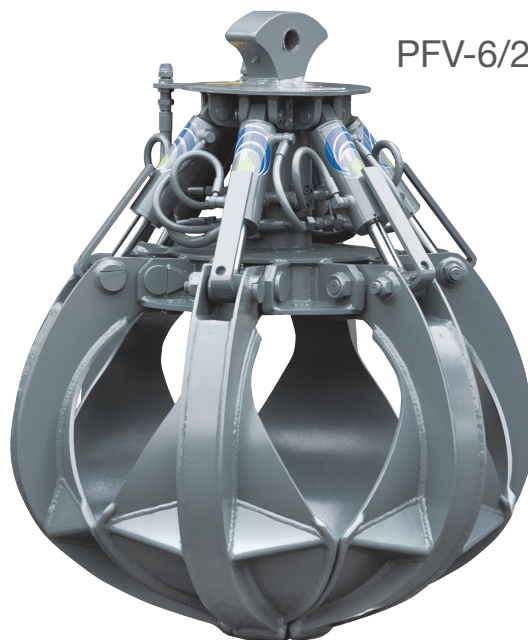
Orange peel grab with vertical cylinders

- Traditional and very reliable design, made of 420 DOMEX steel.
- Easy maintenance operations.
- The best solution for the job in tanneries
- Jaws are made of HB 400 wear-resistant steel, tips are forged.

PFV-6/360

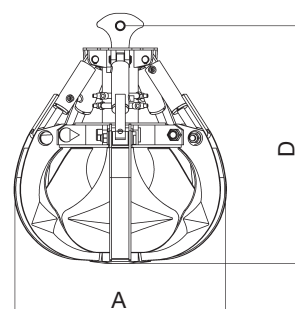
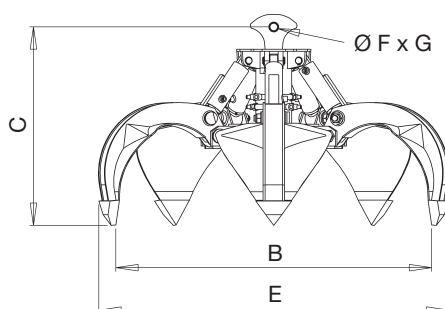


PFV-6/250



Model	Jaws n.	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm	Ø F x G mm
PFV - 5/150	5	150	230	1500	220	830	1300	770	940	1420	30x60
PFV - 6/250	6	250	390	2500	220	1000	1500	940	1150	1560	32x80
PFV - 6/360	6	380	550	3000	220	1120	1530	1030	1200	1710	32x80

Technical Data



Accessories

GRM 4 T	Mechanical, free 250° rotation (without hydraulic supply)
GRI 4 T/S	Hydraulic rotator for mod. PFV 5/150
GRI 5 T/SF	Hydraulic rotator
Top link for crane	Cardan suspension link for truck crane
Tannery kit	Spherical tips and round jaw edges to protect leather from cuts

3 different tine shapes available: open, semi-closed (standard), closed.



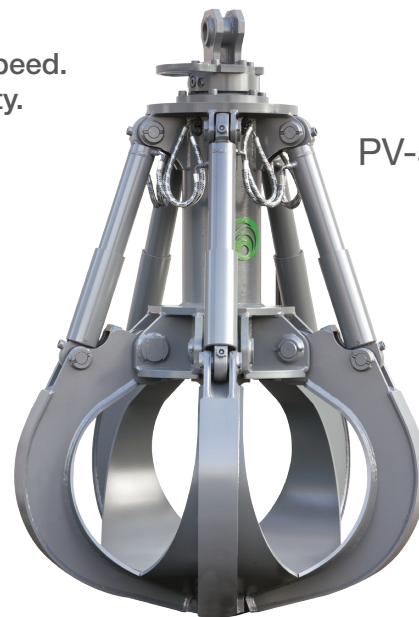
Orange peel grapple with vertical cylinders for material handlers.

- Cylinders with double-ball joint, hydraulically cushioned.
- Fully made of special, fine grain steel.
- Geometry and kinematics thought to combine closing power and speed.
- Extra-large pivot points and oversized pins grant maximum reliability.
- Accurate construction, solid end stops (opening and closing).

PV-4/800

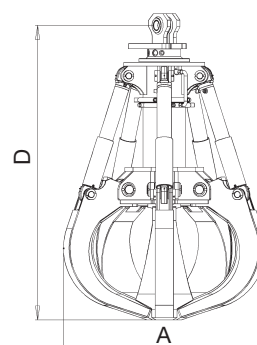
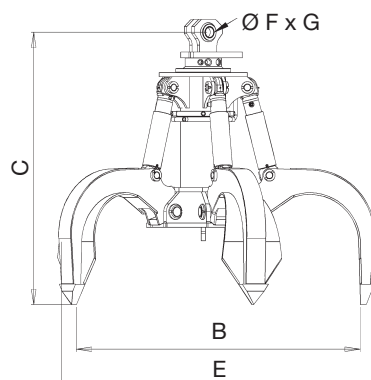


PV-5/1000



Model	Exc weight Ton.	Jaws n.	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm	Ø F x G mm
PV - 5/500	18-23	5	500	1200	6000	350	1460	2000	1820	2120	2180	50 x 100
PV - 6/500	18-23	6	500	1350	6000	350	1460	2000	1820	2120	2180	50 x 100
PV - 5/600	18-23	5	600	1300	6000	350	1540	2120	1850	2180	2320	50 x 100
PV - 6/600	18-23	6	600	1450	6000	350	1540	2120	1850	2180	2320	50 x 100
PV - 5/650	24-40	5	650	1700	8000	350	1465	2060	1850	2190	2220	70 x 150
PV - 6/650	24-40	6	650	1900	8000	350	1465	2060	1850	2190	2220	70 x 150
PV - 5/800	24-40	5	800	1750	8000	350	1585	2220	1875	2230	2420	70 x 150
PV - 6/800	24-40	6	800	1970	8000	350	1585	2220	1875	2230	2420	70 x 150
PV - 5/1000	24-40	5	1000	2000	8000	350	1700	2355	1890	2300	2600	70 x 150
PV - 6/1000	24-40	6	1000	2170	8000	350	1700	2355	1890	2300	2600	70 x 150

Technical Data



Accessories

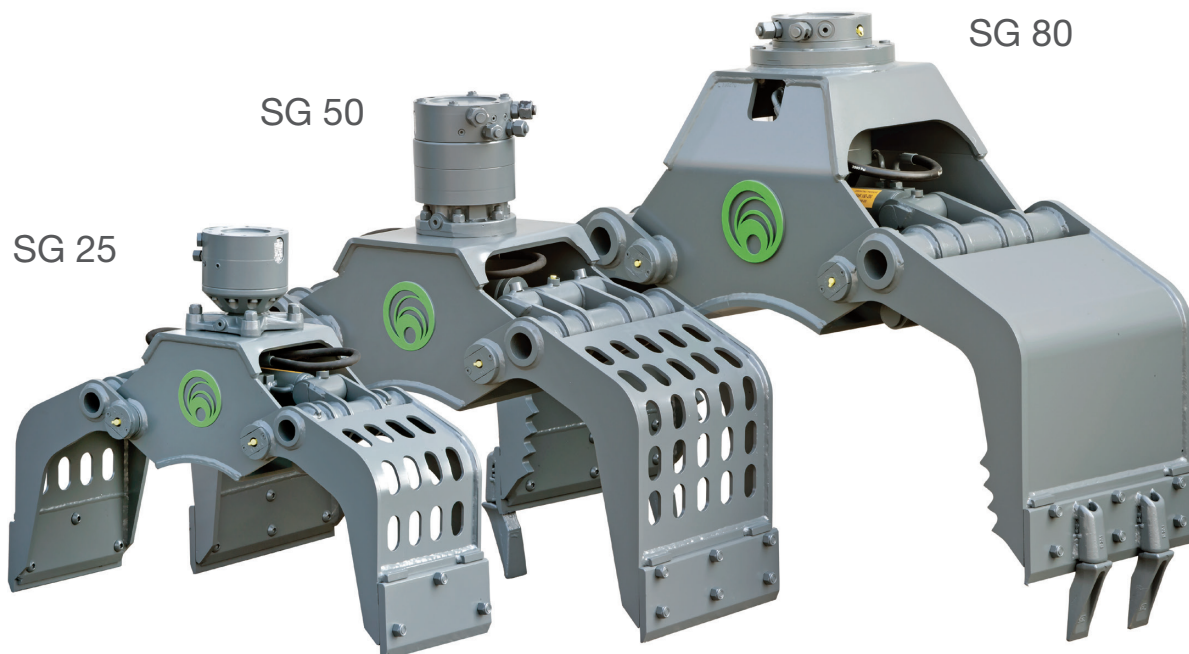
GRM 10 T	Mechanical, free rotation (250°)
GRI 10 T/P	Hydraulic rotator for model with 500 and 600 l. capacity
GRI 20 T/P	Hydraulic rotator for model with 650, 800 and 1000 l. capacity
Protections	Removable hose protections
Top link for excavator	Suspension link (cardanic) for excavator

3 different tine shapes available: open, semi-closed (standard), closed.
All models available in the 4-tines version.



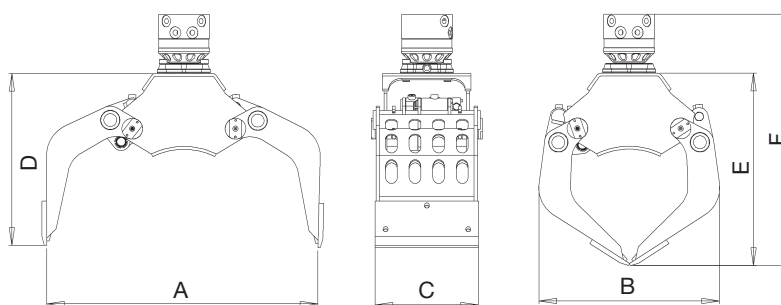
Sorting grab (universalgrab)

- Compact and simple design makes servicing very easy.
- Rigid mounting is allowed by the flat top rotator.
- Replaceable cutting edges made of HB 400 steel grant maximum durability.
- Safety valve, fitted as standard, guarantees secure retention of load



Model	Exc weight Ton.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm	F mm	Closing force (200 bar) kN
SG 15	1,5	90	500	220	680	580	345	510	500	695	7,5
SG 25	2,5	115	500	220	933	580	345	610	650	850	7,5
SG 35	2,5 - 3,5	265	900	220	1230	740	460	800	830	1100	9
SG 50	3,5 - 5	285	900	220	1230	740	460	800	830	1100	9
SG 80	5 - 8	385	1500	220	1500	975	550	875	1100	1195	12

Technical Data



Accessories

Adapter Bolt-on adapter for rigid mounting

2 versions available: "Sorting", with perforated shells, and "Universal", with closed shells and teeth



Demolition and sorting grapples

- High closing force is granted by the generously dimensioned hydraulic cylinder.
- Compact and simple design, easy servicing.
- Over-dimensioned ends-of-run transfer shocks to the solid main frame and preserve cylinder
- Replaceable cutting edges made of HB 400 steel grant maximum durability.

DG 120

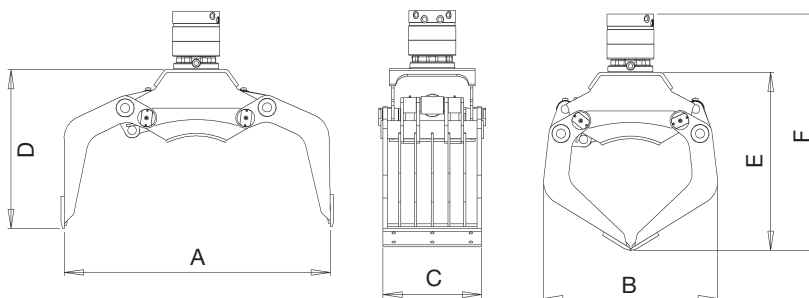


DG 200



Model	Exc weight Ton.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm	F mm	Closing force (300 bar) kN
DG 25	2,5	155	500	300	930	580	350	610	650	850	25
DG 35	2,5 - 3,5	230	900	300	1070	630	400	670	710	980	25
DG 50	3,5 - 5	335	900	300	1260	740	450	800	830	1100	25
DG 80	5 - 8	470	1500	300	1500	975	550	875	1100	1195	25
DG 120	8 - 12	650	2500	300	1700	1075	700	1100	1200	1400	25
DG 160	12 - 16	900	3500	300	1800	1240	800	1255	1395	1580	25
DG 200	16 - 22	1150	5000	300	1850	1260	820	1310	1380	1680	40
DG 250	18 - 27	1450	5000	300	2010	1310	1020	1310	1440	1740	40

Technical Data



Accessories

Adapter Bolt-on adapter for rigid mounting

2 versions available: “Demolition”, with metal ribs, and “Universal”, with closed shells and teeth



Clamshell bucket for agriculture and light duties

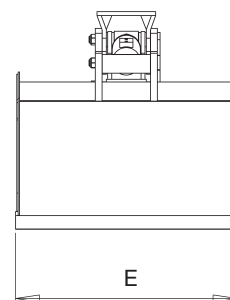
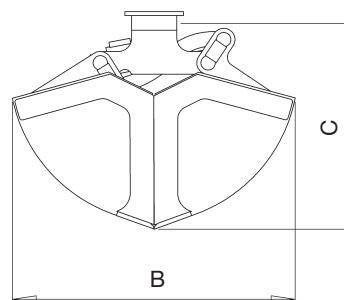
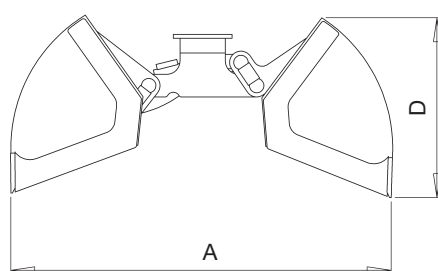
- Horizontal cylinder design grants reduced height
- Safety valve fitted as standard
- Alloy steel pins and hardened bushings are used in all junction points
- Cutting edges made of HB 400 wear-resistant steel

BL-350



Model	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm
BL - 250	250	220	600	220	1420	1060	750	675	700
BL - 350	350	250	700	220	1420	1060	750	675	850
BL - 450	450	270	800	220	1420	1060	750	675	1000

Technical Data



Accessories

Fixed head	Bolt-on head (without rotation)
GRM 4 T/F	Mechanical, free 250° rotation (without hydraulic supply)
GRI 4 T/SF	Hydraulic rotator
Teeth	Digging teeth, bolted
Top link for crane	Cardan suspension link for truck crane
Top link for excavator	Cardan suspension link for excavator

Clamshell bucket with horizontal cylinder

BMO-210/S

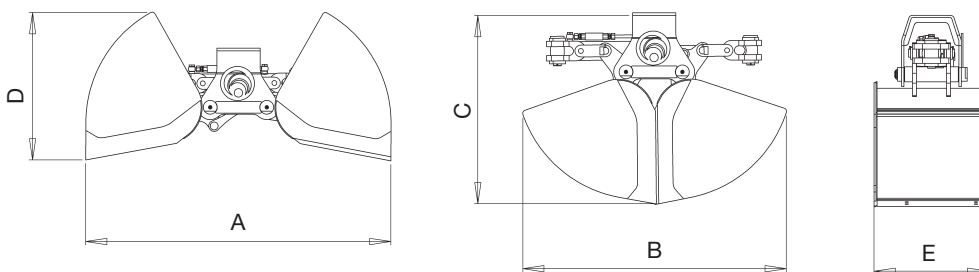
BMO-130/S

BMO-80/S



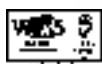
Model	Exc weight Ton.	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm
BMO - 60/S	1 - 3.5	60	75	300	220	930	805	560	330	300
BMO - 80/S	1 - 3.5	80	85	300	220	930	805	560	330	400
BMO - 100/S	1 - 3.5	100	100	300	220	930	805	560	330	500
BMO - 110/S	4 - 6	110	150	600	220	1065	1015	715	410	300
BMO - 130/S	4 - 6	130	160	600	220	1065	1015	715	410	400
BMO - 150/S	4 - 6	150	170	600	220	1065	1015	715	410	500
BMO - 180/S	7 - 9	180	300	1500	220	1300	1125	850	550	500
BMO - 210/S	7 - 9	210	310	1500	220	1300	1125	850	550	600
BMO - 240/S	7 - 9	240	325	1500	220	1300	1125	850	550	700
BMO - 270/S	7 - 9	270	340	1500	220	1300	1125	850	550	800
BMO - 250/S	7 - 9	250	320	1000	220	1500	1340	920	500	500
BMO - 300/S	7 - 9	300	330	1500	220	1500	1340	920	500	600
BMO - 400/S	7 - 9	400	345	1500	220	1500	1340	920	500	700
BMO - 500/S	7 - 9	500	365	1500	220	1500	1340	920	500	800

Technical Data



Accessories

Fixed head	Bolt-on head (without rotation)
GRM	Mechanical, free rotation (250°)
GRI	Hydraulic continuous rotator
Ejector	Scraper for mud
Teeth	Digging teeth, bolted
Top link for crane	Suspension link (cardanic) for truck crane
Top link for excavator	Suspension link (cardanic) for excavator



Technical data can be revised
without prior notice

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Clamshell bucket with horizontal cylinder for loading

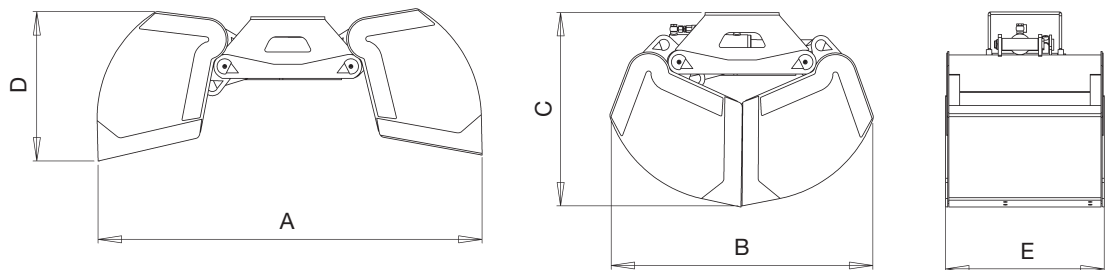
- Sturdy, reliable and compact design.
- Very good loading intake.
- Hydraulic or mechanical rotation available on demand.
- Cutting edges made of HB 400 wear-resistant steel



BMO - 400/L

Model	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm
BMO - 200/L	200	308	1000	220	1800	1210	870	640	430
BMO - 300/L	300	314	1500	220	1800	1210	870	640	600
BMO - 400/L	400	322	1500	220	1800	1210	870	640	700
BMO - 500/L	500	330	1500	220	1800	1210	870	640	800
BMO - 600/L	600	340	1500	220	1800	1210	870	640	1000

Technical Data



Accessories

Fixed head	Bolt-on head (without rotation)
GRM 4 T/F	Mechanical, free 250° rotation (without hydraulic supply)
GRI 4 T/SF	Hydraulic rotator
GRI 5 T/SF	Hydraulic rotator
Teeth	Digging teeth, bolted
Top link for crane	Cardan suspension link for truck crane
Top link for excavator	Cardan suspension link for excavator

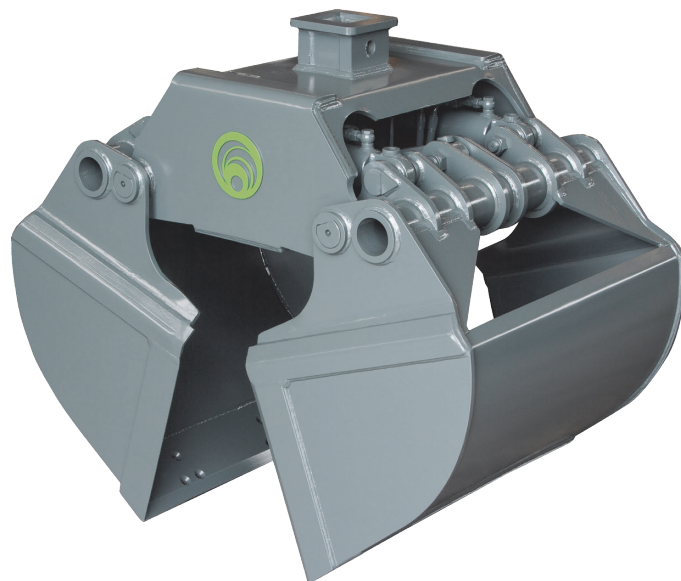
Clamshell bucket with two horizontal cylinders for loading

- Sturdy, reliable and compact design.
- Shape of the shells and high penetration force grant excellent loading capacity.
- Suitable for excavator up to 26 Ton.
- Cutting edges made of HB 400 wear-resistant steel, teeth available on demand.

BM0-1200/P2

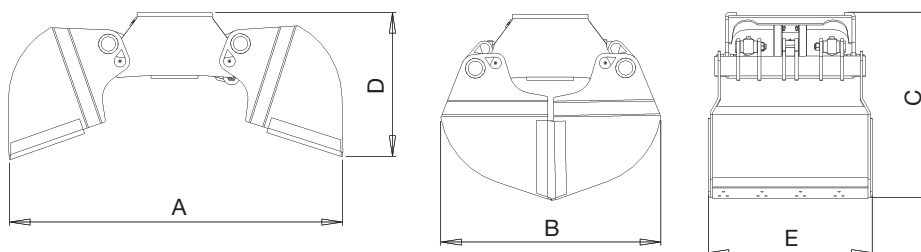


BM0-1000/P2



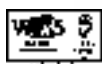
Model	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm
BMO - 500/P2	500	550	2500	300	1740	1160	950	750	1030
BMO - 700/P2	650	710	2500	300	2160	1450	1250	1030	800
BMO - 1000/P2	850	850	3000	300	2160	1450	1250	1030	1050
BMO - 1200/P2	1000	1050	3500	300	2160	1450	1250	1030	1200
BMO - 1500/P2	1300	1150	3500	300	2160	1450	1250	1030	1500
BMO - 2000/P2	1700	1450	5000	300	2160	1450	1250	1030	2000

Technical Data



Accessories

Fixed head	Fixed head (without rotation)
GRM 10 T/F	Mechanical, free 250° rotation (without hydraulic supply)
GRI 10 T/P	Hydraulic rotator for excavators up to 23 Ton
GRI 20 T/P	Hydraulic rotator for excavator of 24 Ton and over
Teeth	Digging teeth, bolted
Extension	Extensions up to 3 metres of length
Top link for excavator	Cardan suspension link for excavator



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Clamshell bucket with two vertical cylinders, suitable for digging

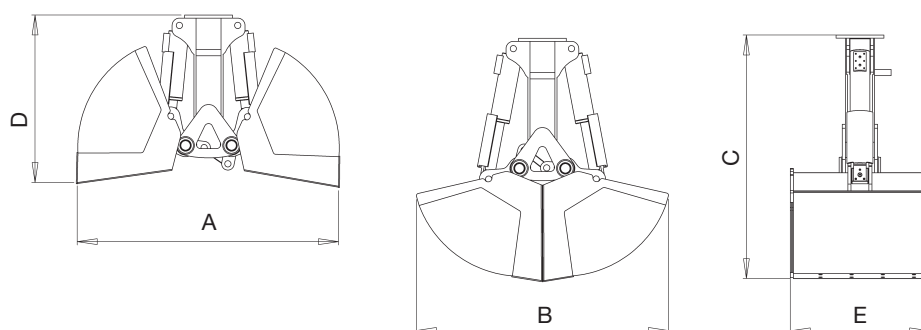
- Cylinders geometry grants very good digging capabilities.
- Sturdy and reliable design.
- Hydraulic or mechanical rotation available on demand.
- Cutting edges made of HB 400 wear-resistant steel.



BMV-2/350

Model	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm
BMV - 2/200-S	175	240	1500	300	1340	1230	1170	940	270
BMV - 2/250	250	260	1500	220	1340	1230	1170	940	520
BMV - 2/350	350	280	1500	220	1340	1230	1170	940	670
BMV - 2/500	500	300	1500	220	1340	1230	1170	940	800

Technical Data



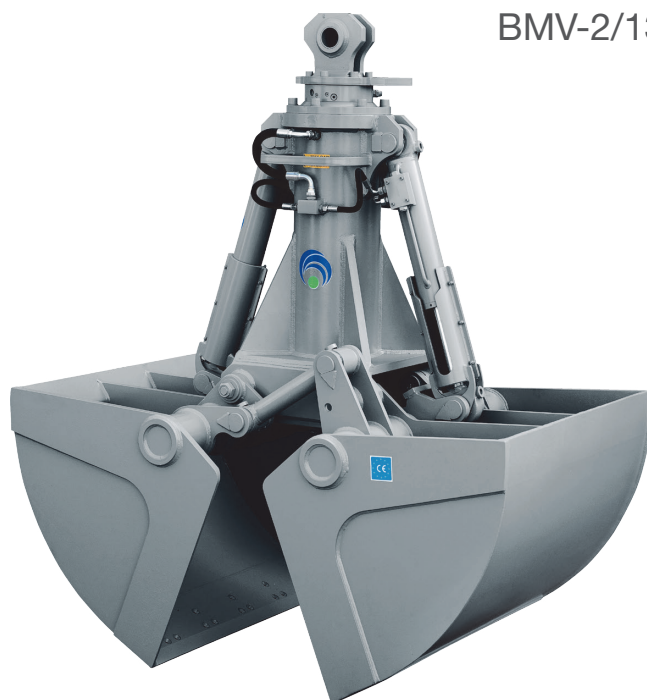
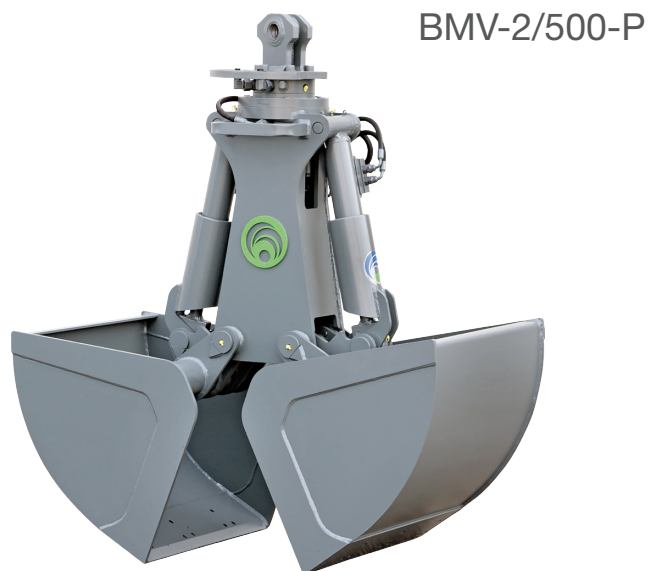
Accessories

Fixed head	Bolt-on head (without rotation)
GRM 4 T/F	Mechanical, free 250° rotation (without hydraulic supply)
GRI 4 T/SF	Hydraulic rotator
GRI 5 T/SF	Hydraulic rotator
Teeth	Digging teeth, bolted
Top link for crane	Cardan suspension link for truck crane
Top link for excavator	Cardan suspension link for excavator

Clamshell bucket with two vertical cylinders, suitable for loading and digging

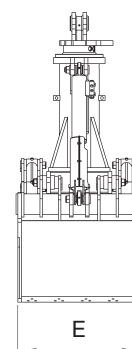
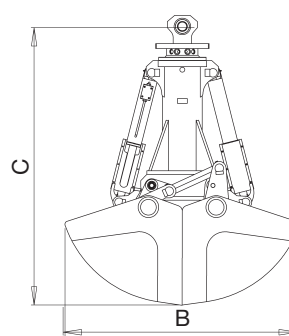
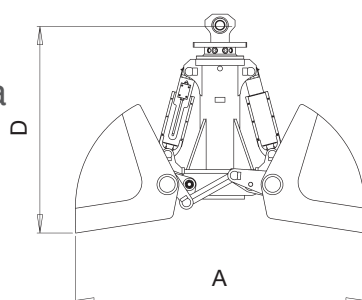
- Geometry of the 2 powerful cylinders grants huge penetration force.
- Robust construction makes it suitable for the most demanding applications.
- Suggested for excavator up to 32 Ton.
- Buckets made of HB 400 wear-resistant steel, teeth available on demand.

BMV-2/1300-P



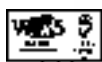
Model	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm
BMV - 2/300-P	300	480	3000	300	1620	1480	1780	1280	500
BMV - 2/350-P	350	510	3000	300	1620	1480	1780	1280	600
BMV - 2/400-P	400	540	3000	300	1620	1480	1780	1280	700
BMV - 2/450-P	460	580	3000	300	1620	1480	1780	1280	800
BMV - 2/500-P	520	610	3000	300	1620	1480	1780	1280	900
BMV - 2/1000-P	1050	1500	5000	300	2400	1950	2000	1400	1000
BMV - 2/1300-P	1350	1700	5000	300	2400	1950	2000	1400	1300
BMV - 2/1500-P	1600	1900	5000	300	2400	1950	2000	1400	1500

Technical Data



Accessories

Fixed head	Bolt-on head (without rotation)
GRM 10 T/F	Mechanical, free 250° rotation (without hydraulic supply)
GRI 10 T/P	Hydraulic rotator up to 500 lt.
GRI 20 T/P	Hydraulic rotator for 1000 lt. and over
Teeth	Digging teeth, bolted
Extension	Extensions up to 3 metres of length
Top link for excavator	Cardan suspension link for excavator



Light-type log grapple

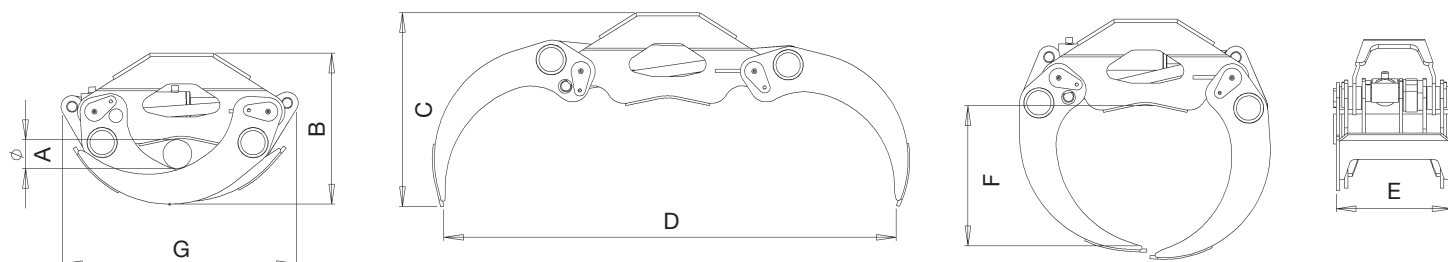
- Light grapple, suitable for not intense applications.
- Wide opening and very small gripping diameter when closed
- Safety valve is fitted as standard.
- Alloy steel pins and hardened bushings in all junctions.
- Entirely made of anti-yeld DOMEX 690 steel.



PTO 150

Model	Cap. m ²	Weight Kg	Max load daN	Max BAR	Ø A mm	B mm	C mm	D mm	E mm	F mm	G mm
PTO - 100	0,1	55	500	220	75	360	450	1065	275	340	560
PTO - 150	0,15	80	700	220	80	420	530	1250	320	400	660
PTO - 200	0,2	95	1000	220	90	470	595	1390	360	450	730
PTO - 300	0,3	155	1500	220	105	550	700	1640	420	500	860

Technical Data

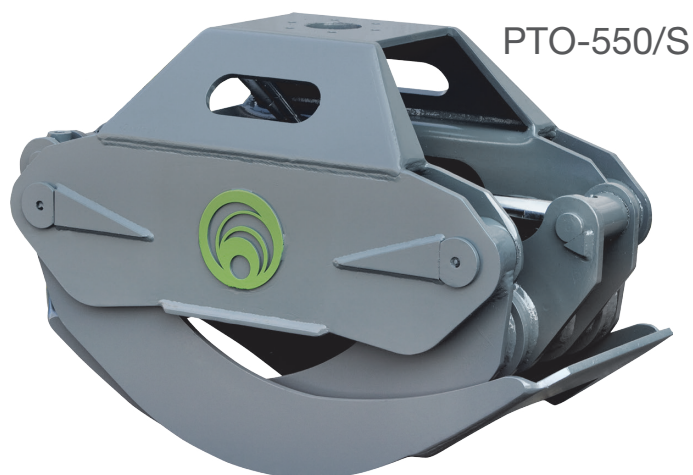


Accessories

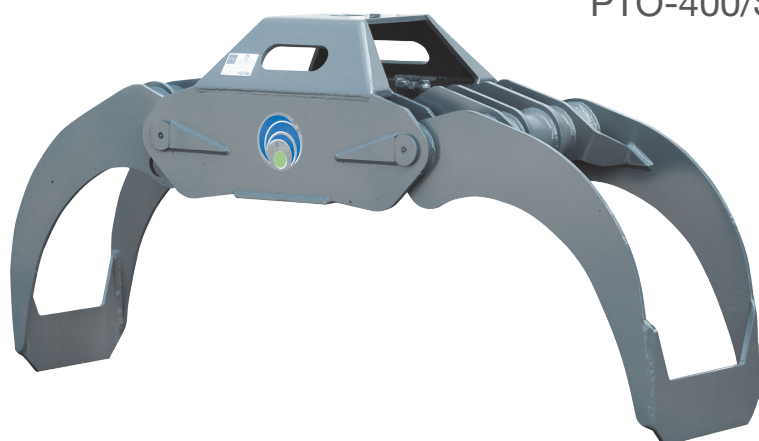
Fixed head	Bolt-on head (without rotation)
GRM 4 T/F	Mechanical, free 250° rotation (without hydraulic supply)
GRI 4 T/SF	Hydraulic rotator
Top link for crane	Cardan suspension link for truck crane
Top link for excavator	Cardan suspension link for excavator

Professional log grapple

- Suitable for intense and industrial forestry applications.
- Wide opening with reduced overall dimensions when closed.
- Central cylinder and double compensation bar design gives a perfect balancing.
- Entirely made of DOMEX 690 and HB 400 steel.



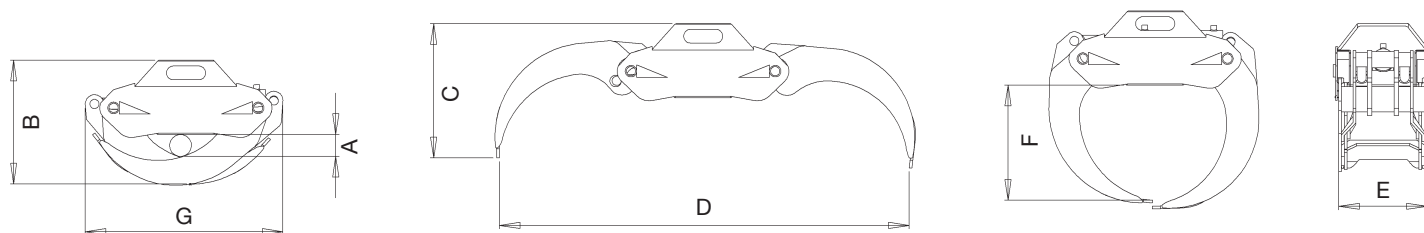
PTO-550/S



PTO-400/S

Model	Cap. m ²	Weight Kg	Max load daN	Max BAR	Ø A mm	B mm	C mm	D mm	E mm	F mm	G mm
PTO - 200/S	0,2	115	1500	220	75	520	650	1395	350	435	730
PTO - 300/S	0,3	165	2000	220	85	590	775	1590	425	510	850
PTO - 400/S	0,4	275	2500	220	110	630	830	1880	520	710	985
PTO - 550/S	0,55	420	4500	300	115	780	1050	2150	600	840	1120
PTO - 700/S	0,7	650	7000	300	145	975	1310	2700	750	1050	1400

Technical Data



Accessories

Fixed head	Bolt-on head (without rotation)
GRM 4 T/F	Mechanical, free 250° rotation (without hydraulic supply)
GRI 4 T/SF	Hydraulic rotator
GRI 5 T/SF	Hydraulic rotator
GRI 6 T/SF	Hydraulic rotator
GRI 11 T/SF	Hydraulic rotator
GRI 17 T/SF	Hydraulic rotator
Top link for crane	Cardan suspension link for truck crane
Top link for excavator	Cardan suspension link for excavator

Multipurpose grapple for rigid mounting

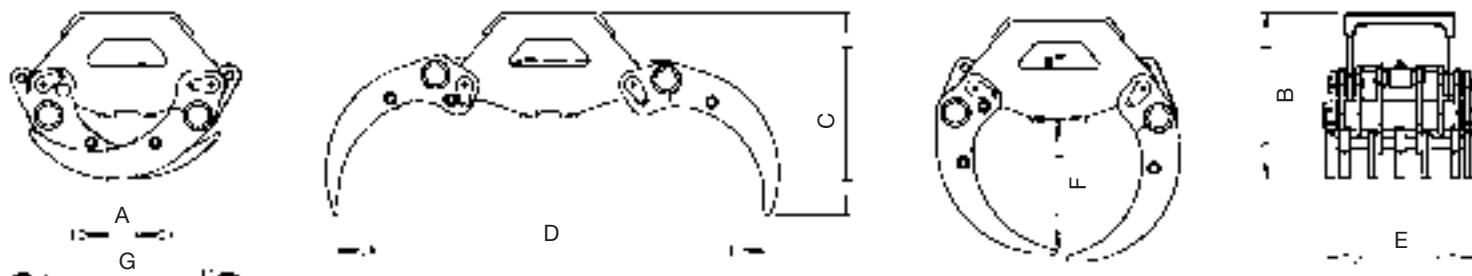
- High closing force; perfect balance due to the central cylinder design.
- Tines made of wear-resistant steel HB 400 and available in 2 versions, with 4 and 7 tips.
- Large opening and reduced overall dimensions when closed.
- Body made of high tensile steel, suitable to heavy-duty applications.

GRP 300-7



Model	Excav. Weight ton	Cap. m ²	Self weight Kg	Lifting capacity daN	Max BAR	Ø A mm	B mm	C mm	D mm	E mm	F mm	G mm
GRP 300-4	5-8	0,3	350	1750	250	100	610	750	1550	572	500	850
GRP 300-7	5-8	0,3	395	1750	250	100	610	750	1550	572	500	850
GRP 400-4	9-12	0,4	410	2000	250	120	715	885	1805	650	570	980
GRP 400-7	9-12	0,4	490	2000	250	120	715	885	1805	650	570	980

Technical Data



Accessories

GRI 12 T/SFF	Hydraulic continuous rotator
GRI 15 T/P	Hydraulic continuous rotator
Adapter	Bolt-on adapter for rigid mounting

Multi purpose and forestry grab

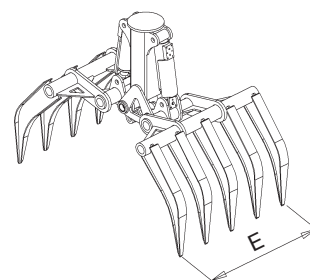
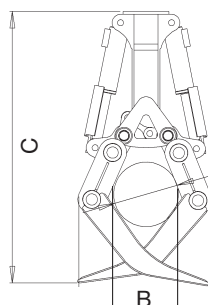
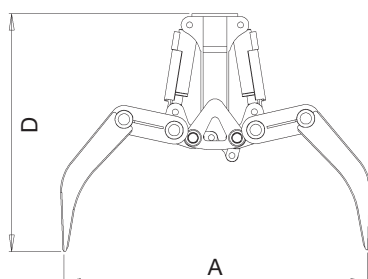
- Very versatile grab with interlocking jaws.
- Vertical - double - cylinders geometry grants high gripping force.
- Sturdy and well-tested main frame, suitable for heavy-duty applications.
- Arms made in HARDOX 400 steel.

FMV-600



Model	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	Ø B mm	C mm	D mm	E mm
FMV - 600	600	360	1500	220	1560	325	1360	1200	1000
FMV - 700	700	390	1500	220	1560	325	1360	1200	1250

Technical Data



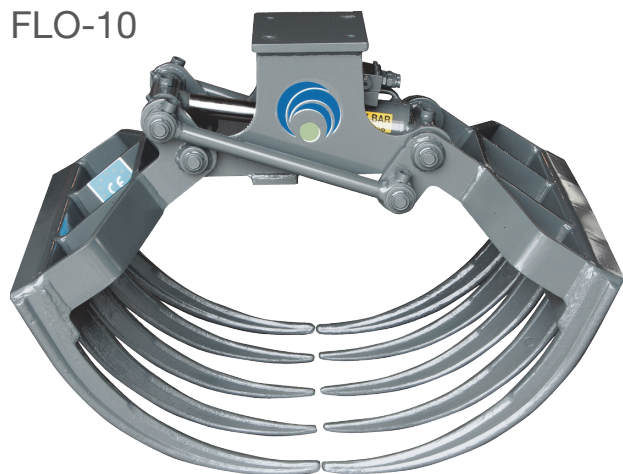
Accessories

Fixed head	Bolt-on head (without rotation)
GRM 4 T/F	Mechanical, free 250° rotation (without hydraulic supply)
GRI 5 T/SF	Hydraulic rotator
Top link for crane	Cardan suspension link for truck crane
Top link for excavator	Cardan suspension link for excavator

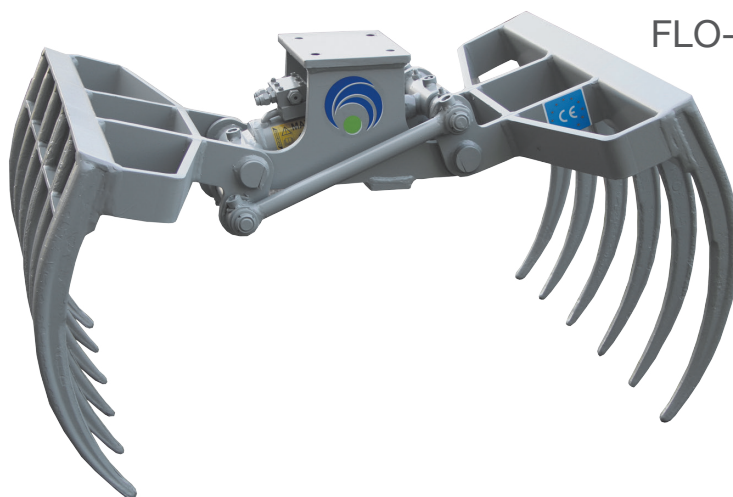
Grapple for forestry and agricultural applications

- Horizontal cylinder design grants reduced overall dimensions.
- Safety valve fitted as standard.
- Alloy steel pins and hardened bushings are used in all junction points.
- Forged tips for longer durability.

FLO-10

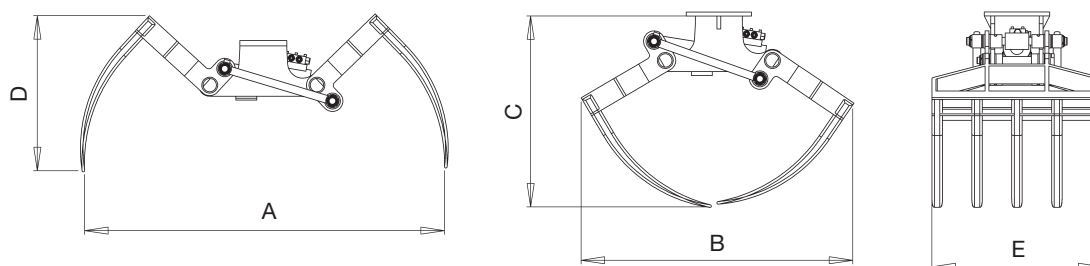


FLO-12



Model	Tips n.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm
FLO - 10	10	155	600	220	1250	1020	680	580	650
FLO - 12	12	175	700	220	1250	1020	680	580	800
FLO - 14	14	195	800	220	1250	1020	680	580	950

Technical Data



Accessories

Fixed head	Bolt-on head (without rotation)
GRM 4 T/F	Mechanical, free 250° rotation (without hydraulic supply)
GRI 4 T/SF	Hydraulic rotator
Top link for crane	Cardan suspension link for truck crane
Top link for excavator	Cardan suspension link for excavator

Kerb stone grab

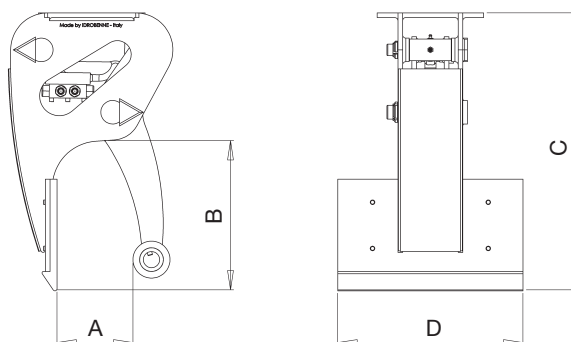
- Handles kerb stones in full security.
- Grabs the kerb directly from the pallet where it is packed.
- Compact, light and very reliable construction.
- Long-lasting nylon pad and plastic bumpers prevent from scratching.
- Kerb stones can be posed at once by the machine operator.



KSG-400

Model	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	Oil flow l./min
KSG - 80	55	80	200	30 - 160	350	600	400	20 - 40
KSG - 400	80	400	200	0 - 400	350	575	400	20 - 50

Technical Data



Accessories

Fixed head	Bolt-on head (without rotation)
GRM 1 T/F	Mechanical, free 250° rotation with handle-bar (without hydraulic supply)
GRI 4 T/SF	Hydraulic rotator
Top link for crane	Cardan suspension link for truck crane
Top link for excavator	Cardan suspension link for excavator

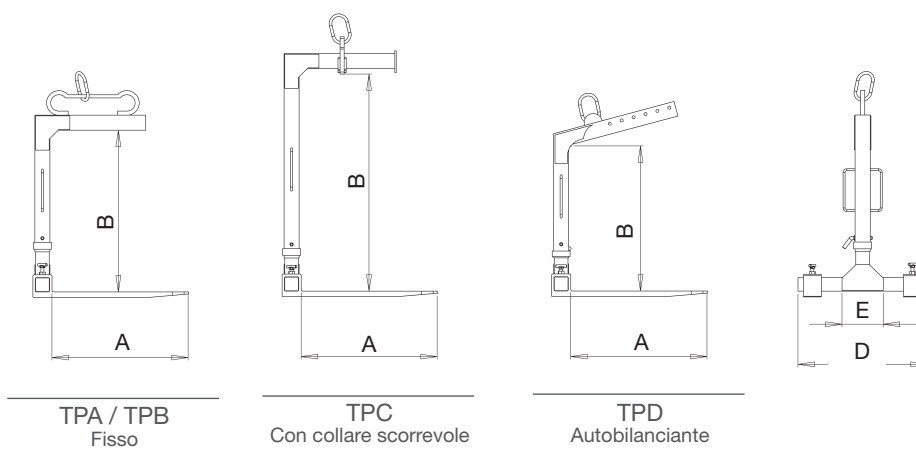
Pallet forks

- Different models with 2000 Kgs. max load capacity.
- The sturdy construction grants safe operations.
- Tips made of forged steel.
- Adjustable loading height and width.



Model	Weight Kg	Max load daN	A mm	B min mm	B max mm	D mm	E mm
TPA - 2000	155	2000	1020	1150	1600	940	300
TPB - 2000	160	2000	1020	1615	2150	940	300
TPC - 2000	165	2000	1020	1615	2150	940	300
TPD - 2000	165	2000	1020	1150	1650	940	300

Technical Data



Accessories

Third fork Central fork (demountable)

Wallboard fork

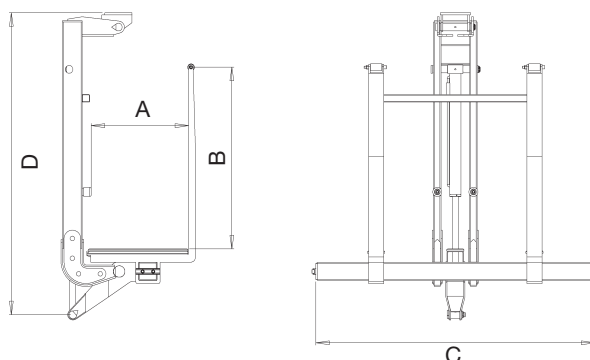
- Main frame's special design grants high resistance and low overall weight.
- Forks made in hardened boron steel.
- 3 nylon pads with improved thickness and polyurethane bumpers.
- Precise, robust and easy-to-use fork locks.

TPW-2000



Model	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm
TPW - 2000	360	2000	220	650 (25")	1220 (48")	1830 (72")	2030 (80")
				457 (18")		1600 (63")	
				558 (22")		2135 (84")	

Technical Data



Accessories

GRM 4 T/SF	Hydraulic rotator
Top link for crane	Cardan suspension link for truck crane
Supports	Supports for storage

Grab for railway sleepers

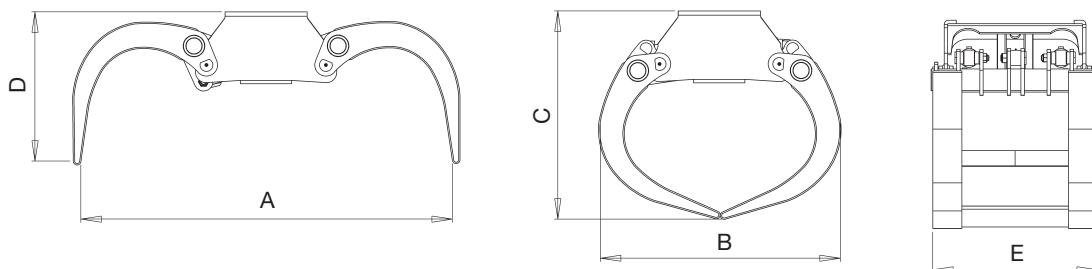
- Sturdy, reliable and compact design.
- 2 versions for wooden and concrete sleepers.
- Double horizontal cylinder for maximum gripping power.
- Made of DOMEX 690 steel. Cutting edges in HB 400.



PFS-55/TL

Model	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm
PFS - 55/TL	700	3000	300	2140	1450	1300	900	950
PFS - 55/TP	990	3000	300	2140	1450	1300	900	950

Technical Data



Accessories

Adapters	Adapters for the most common road-rail excavators
GRI 10 T/P	Hydraulic rotator for railway applications
Top link for excavator	Cardan suspension link for excavator

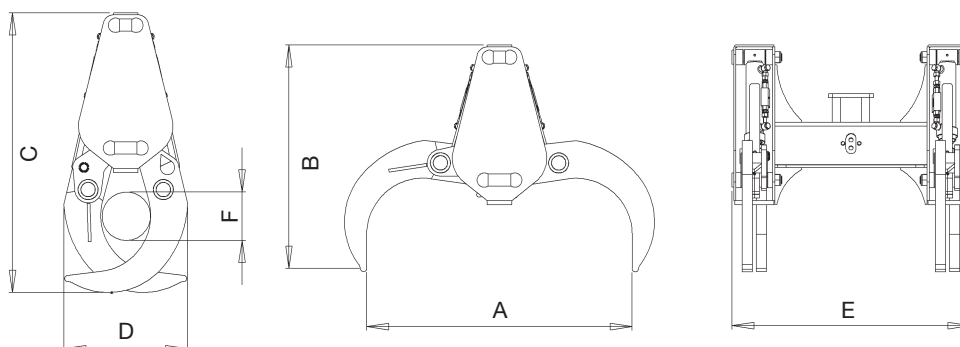
Grab for rails

- The hydraulic circuit is perfectly protected by the structure.
- 2 versions, with 2 and 4 cylinders.
- The optimised design allows small grab diameters.
- Arms made of HB 400 steel.



Model	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm	Ø F mm
PFS - 70/R	475	3000	300	1020	925	610	845	1240	80
PFS - 140/R	525	5000	300	1300	1100	1365	600	1175	250

Technical Data



Accessories

Adapters	Adapters for the most common road-rail excavators
GRI 10 T/P	Hydraulic rotator for railway applications
Top link for excavator	Cardan suspension link for excavator

Grab for the propping of railways

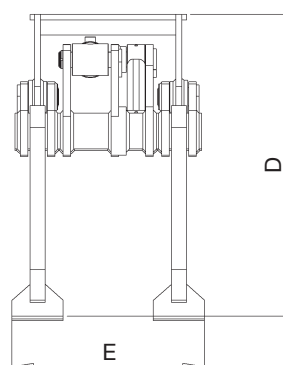
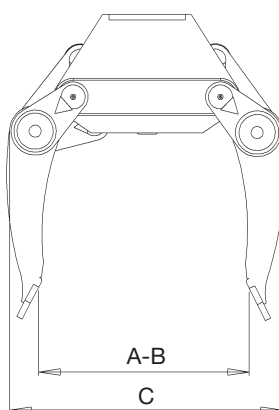
- Generously dimensioned cylinder provides huge tamping force.
- Avoids wearing to the machine caused by vibrating units.
- Sturdy construction.
- Made of DOMEX 690 steel.



PFS-80/C

Model	Weight Kg	Max BAR	A mm	B mm	C mm	D mm	E mm
PFS - 80/C	510	300	40	780	1050	1030	660

Technical Data



Accessories

Adapters	Adapters for the most common road-rail excavators
GRI 10 T/P	Hydraulic rotator for railway applications
Top link for excavator	Cardan suspension link for excavator

Rock grab

- Special tips grant the maximum grip on boulders and rocks.
- Arms entirely made of HB 400 wear-resistant steel.
- The hydraulic circuit is perfectly protected by the structure
- Arms geometry studied for the specific application.

POM-4/550 P

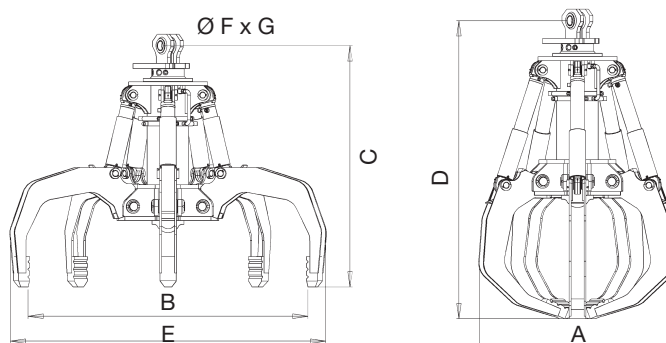


POM-5/1000 P



Model	Jaws n.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm	Ø FxG mm
POM - 3/380	3	450	2500	220	1340	1680	1180	1370	2000	32x80
POM - 4/550-P	4	850	5000	300	1300	2050	950	1160	2150	50x100
POM - 5/1000-P	5	1700	8000	350	1650	2360	1900	2350	2700	70x150

Technical Data

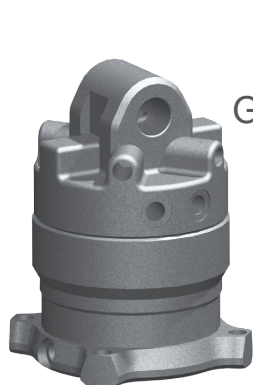


Accessories

GRM 4 T	Mechanical, free 250° rotation (without hydraulic supply) for POM 3/380
GRM 10 T	Mechanical, free 250° rotation (without hydraulic supply)
GRI 5 T/SF	Hydraulic rotator for mod. POM - 3/380
GRI 10 T/P	Hydraulic rotator for mod. POM - 4/550-P
GRI 20 T/P	Hydraulic rotator for mod. POM - 5/1000-P
Top link for excavator	Cardan suspension link for excavator

Hydraulic rotators

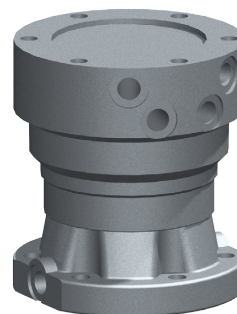
- Very compact and powerful.
- Incredible precision control and high breaking ability.
- Integrated pressure relief valve for maximum safety.
- Generously dimensioned roller bearings absorb tension loads and tilting moments (S models).



GRI-5T/SF

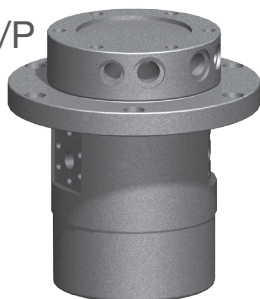


GRI-5T/SS

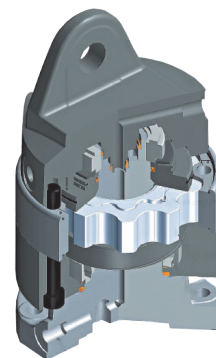


GRI-6T/SFF

GRI-10T/P



GRI-11T/SF



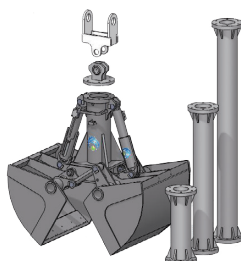
Technical Data

Model	Application	Weight Kg	Max BAR	Load capacity Ton	Torque (150 Bar) Nm.	Rotation
GRI 3 T/F	small truck cranes mini-excavators	21	220	3	700	360°
GRI 4 T/S		25	320	4,5	850	360°
GRI 4 T/F		28	220	4	1100	360°
GRI 4 T/SF		27	320	4,5	850	360°
GRI 4,5 T/SFF		26	320	4,5	850	360°
GRI 5 T/S	medium-size truck cranes	26	320	4,5	850	360°
GRI 5 T/SS		28	320	4,5	1000	360°
GRI 5 T/SF		32	320	4,5	1000	360°
GRI 6 T/SF	forest loader cranes medium excavators	45	320	6	1000	360°
GRI 6 T/SFF		41	320	6	1000	360°
GRI 11 T/SF		68	320	10	2000	360°
GRI 10 T/SFF		60	320	10	2000	360°
GRI 10 T/P	Excavators and material handlers	60	320	10	2000	360°
GRI 15 T/P		70	320	15	2000	360°
GRI 17 T/SF		64	250	16	3300	360°
GRI 20 T/P		160	320	15	3000	360°

Kinshofer® Products



Special Products



Orange peel grapple

PFO 4/100; 5/100	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
PFO 4/120		3	4	5	6																										
PFO 4/180; 5/220		3	4	5	6	7																									
PFO 5/250; 6/270				5	6	7	8	9																							
PFO 4/300				5	6	7	8	9	10																						
PFO 5/300; 6/320				6	7	8	9	10																							
PFO 5/400; 6/400						8	9	10	11	12																					

Weight Ton

PFV 5/150			4	5	6	7																									
PFV 6/250					6	7	8	9																							
PFV 6/360							8	9	10	11	12	13																			

PFO 5/400SR; 6/400SR											12	13	14	15	16																
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PFO 5/400P; 6/400P												14	15	16	17	18	19	20	21	22											
PFO 5/600P; 6/600P													16	17	18	19	20	21	22	23											

PV 500; 600																18	19	20	21	22	23										
PV 650; 800; 1000																							24	25	26	27	28	29	30	...	40

Rock grapple

POM 3/350						8	9	10	11	12	13	14																			
POM 4/550 P												14	15	16	17	18	19	20	21	22	23	24	25								
POM 5/1000																						24	25	26	27	28	29	30	...	40	

Sorting grapple and Demolition grapple

SG 15	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
SG - DG 25	2	3																													
SG - DG 35		3	4																												
SG - DG 50			4	5																											
SG - DG 80					6	7	8																								
DG 120								9	10	11	12																				
DG 160												13	14	15	16																
DG 200															16	17	18	19	20	21	22										
DG 250																	18	19	20	21	22	23	24	25	26	27					

Clamshell bucket

BL all versions	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
BMO/L all versions			4	5	6	7																									
BMO/S all versions	2	3	4	5	6	7	8	9																							
BMV 2/200 S		3	4	5	6	7	8	9	10	11	12																				
BMV 2/250 - 350 - 500				5	6	7	8																								
BMO 500 P2							8	9	10	11	12																				
BMO 700 P2									10	11	12	13	14	15	16																
BMO 1000P2											12	13	14	15	16	17	18	19	20												
BMO 1200 P2														15	16	17	18	19	20	21	22										
BMO 1500 P2																17	18	19	20	21	22	23	24								
BMO 2000 P2																	18	19	20	21	22	23	24	25	26						
BMV 2/350P; 2/500P								9	10	11	12	13	14	15	16	17	18	19													
BMV 2/1000P; 2/1500P																			20	21	22	23	24	25	26	27	28	29	30	31	32

Log grapple

PTO 100		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
PTO 150		3	4	5																											
PTO 200		3	4	5																											
PTO 300		3	4	5																											
PTO 200 S		3	4	5																											
PTO 300 S		3	4	5																											
PTO 400 S		3	4	5																											
PTO 550 S		3	4	5																											
PTO 700 S		3	4	5																											

Forks

FLO all versions	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
FMV			5	6	7	8	9																								





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