



IDROBENNE®

The grab expert.



SINCE 1994



GENERAL CATALOGUE - EDITION n.21  

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.

Sostenibilità

Per Idrobenne, sostenibilità significa condurre l'attività col massimo rispetto verso la comunità in cui si opera, adottare nuove tecnologie per ridurre l'impronta ambientale e considerare l'impresa come parte di un sistema più ampio, che trascende gli aspetti prettamente economici. Il mondo attuale presenta sfide molto complesse, che vanno dalla globalizzazione dell'economia ai cambiamenti climatici, all'esigenza di maggiore equità sociale.

La nostra natura di impresa familiare ci porta a fare del nostro meglio per garantire un futuro alle nuove generazioni. Siamo convinti che la sicurezza economica non possa essere costruita a spese del pianeta. Non può esistere etica di impresa senza giustizia sociale.

Queste sono alcune tappe in cui si snoda il nostro percorso:

1. Energia solare dal 2007

Idrobenne è stata tra le prime aziende italiane a credere nel fotovoltaico. Oggi ha una potenza installata di 185 kW.

2. 100% energia da fonti rinnovabili

Dal 2020 tutta l'energia elettrica impiegata nel ciclo produttivo della Idrobenne viene certificata come proveniente da fonti rinnovabili.

3. La foresta di Idrobenne

Idrobenne ha scelto di piantare alberi per contrastare il riscaldamento globale e i cambiamenti climatici. Gli alberi vengono gestiti da Treedom, una piattaforma che si occupa della piantumazione e della geolocalizzazione delle piante, in modo che ogni cliente possa tracciare l'albero che ha ricevuto in dono. Gli alberi vengono poi affidati a contadini che si trovano spesso in paesi in via di sviluppo. Questi, oltre a prendersi cura delle piante, ne raccolgono i frutti, in modo da contribuire al sostentamento delle comunità locali.

Nel corso degli anni, con l'aiuto dei propri clienti, Idrobenne conta di dar vita ad una vera e propria foresta, che chiunque può esplorare collegandosi al nostro sito web

<https://www.idrobenne.com/it/sostenibilita>



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

Sustainability

For Idrobenne, sustainability means making business with the utmost respect for the community in which we operate. We adopt new technologies to reduce the environmental footprint and we consider our company as part of a broader system, which transcends purely economic aspects. Modern world face us to very complex challenges, ranging from the globalization of the economy to climate change, to the need for greater social equity.

Our nature as a family business leads us to do our best to guarantee a future for the new generations. We are convinced that economic security cannot be built at the expense of the planet. There can be no business ethics without social justice.

These are some of the stages in which our journey unfolds:

1. Solar power since 2007

Idrobenne was among the first Italian companies to believe in solar power. Today we have 3 powerplants for a total of 150 kW.

2. 100% energy from renewable sources

From year 2020, all the electricity used by Idrobenne in the production cycle officially comes from renewable sources.

3. Idrobenne's own forest

Idrobenne chose to plant trees to withstand global warming and climate change. The trees are managed by Treedom, a platform that deals with the planting and geolocation of plants, so that each customer can trace and monitor the trees he received as a gift.

The trees are then entrusted to farmers who often live in developing countries. These people, in addition to taking care of the plants, collect the fruits, in order to contribute to the sustenance of local communities. More info on <https://www.idrobenne.com/sustainability>



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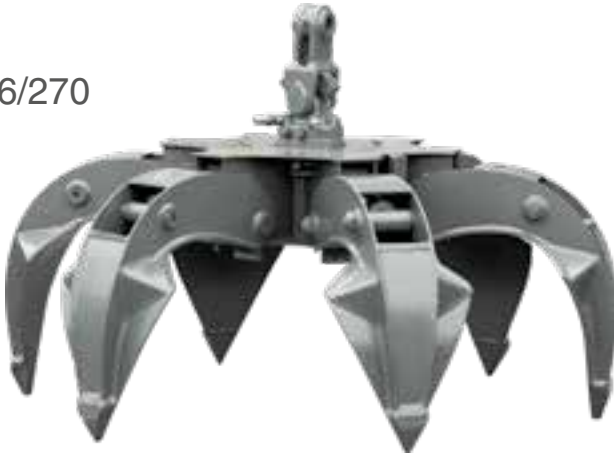
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Compact orange peel grab for metal scrap and loose materials.

- Long-lasting design and constant improvements in building materials grant reliability and lifespan.
- 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-6/270



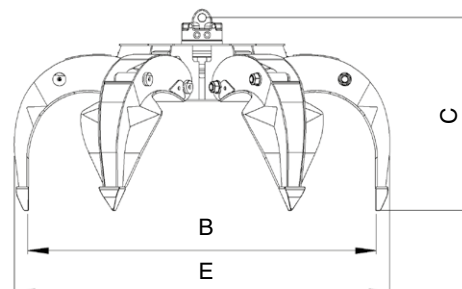
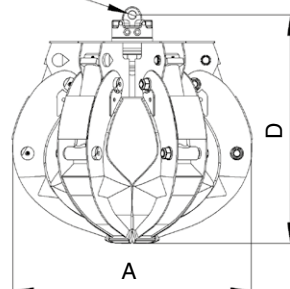
PFO-5/250



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
PFO - 3/100	3	100	85	750	220	750	1070	580	750	1200	25x30
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 - 6/230	6	230	340	2500	220	960	1500	800	1040	1680	30x60
PFO - 4/250	4	250	280	2500	220	1040	1480	820	980	1620	32x80
PFO - 5/250	5	250	350	2500	220	1040	1480	820	980	1620	32x80
PFO - 6/270	6	270	400	3000	220	1020	1500	850	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 - 4/400	4	400	430	2500	220	1250	1860	870	1050	2010	35x80
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

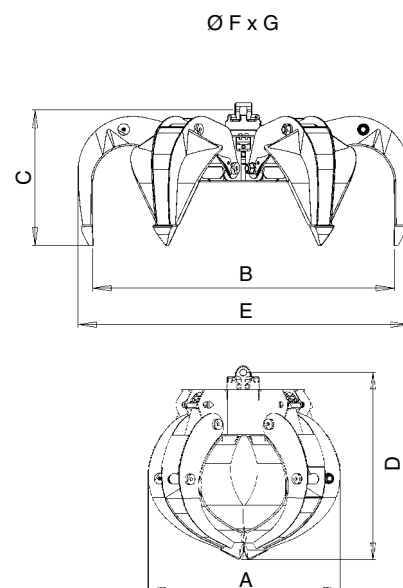
Ø F x G



Orange peel grab for foldable truck cranes

- The asymmetric design of the tines allows this 6 tines grapple to remain folded on “Z cranes” without exceeding the truck’s overall dimensions.

PFO-6/290

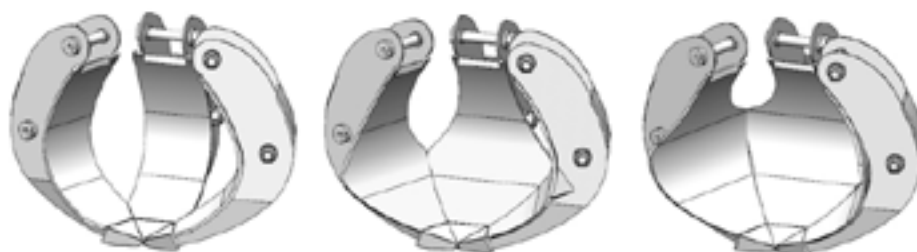


Model	Jaws n.	Cap. l.	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm	Ø F x G mm
PFO - 6/290	6	290	410	3000	220	1050	1500	750	920	1650	32x80

Accessories

GRM 4 T	Mechanical, free 250° rotation (without hydraulic supply)
GRI 4 T	Hydraulic rotator for models PFO-4/100 and PFO-5/100
GRI 4 T/S	Hydraulic rotator for models PFO-4/120 and PFO-4/180
GRI 5 T/S	Hydraulic rotator for models PFO-5/220 and PFO-6/230
GRI 5 T/SF	Hydraulic rotator from mod. PFO 4/250 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.



Compact polyp grab for excavators up to 16 Ton

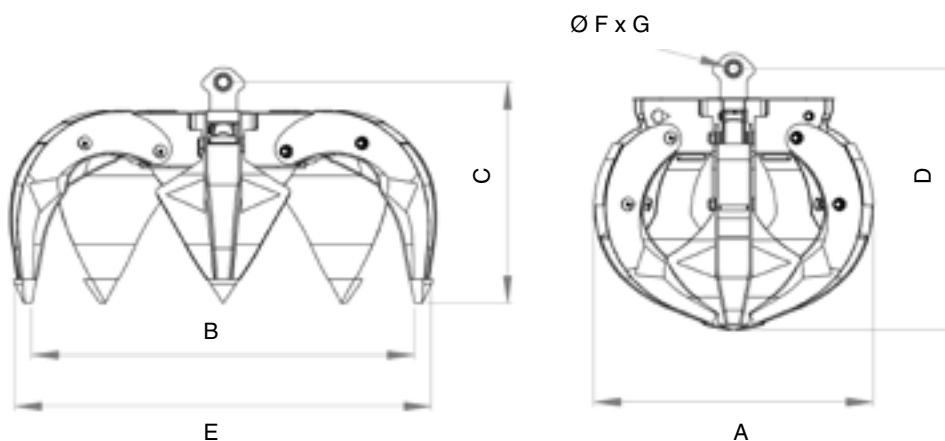
- Reduced overall dimensions to operate in confined spaces
- Jaws and tips are made of HB 400 wear-resistant steel.
- Hydraulic circuit is fully protected into the structure.
- Solid tine stops protect cylinders from shock loads.

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 - 4/400-SR	4	400	550	2500	300	1250	1860	870	1050	2010	50x100
PFO - 5/400-SR	5	400	600	3000	300	1250	1860	870	1050	2010	50x100
PFO - 6/400-SR	6	400	650	3000	300	1250	1860	870	1050	2010	50x100

Technical Data



Accessories

GRM 6 T	Mechanical, free 250° rotation (without hydraulic supply)
GRI 17 T/SF	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 attractive value for money.

PFO-5/600 P

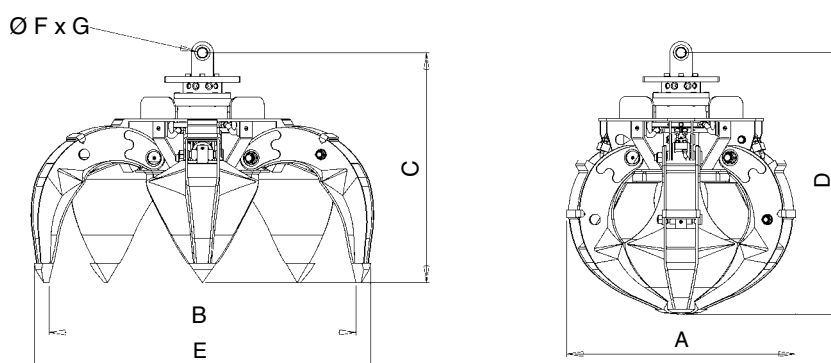


PFO-6/600 P



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 – recommended for urban waste

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

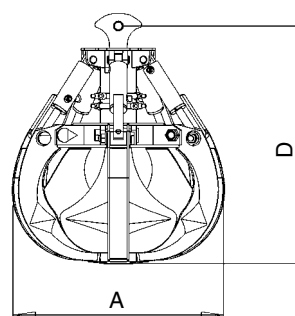
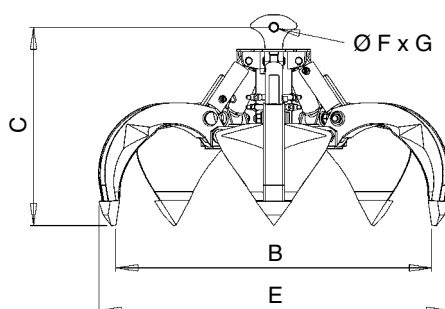


PFV-6/250



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

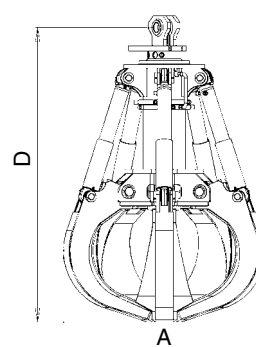
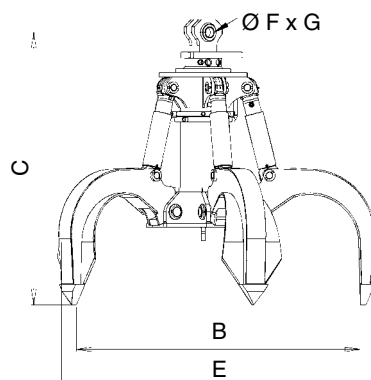


PV-5/1000



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	18-25	5	500	1200	6000	350	1460	2000	1820	2120	2180	50 x 100
PV - 6/500	18-25	6	500	1350	6000	350	1460	2000	1820	2120	2180	50 x 100
PV - 5/600	18-25	5	600	1300	6000	350	1540	2120	1850	2180	2320	50 x 100
PV - 6/600	18-25	6	600	1450	6000	350	1540	2120	1850	2180	2320	50 x 100
PV - 5/650	24-35	5	650	1700	8000	350	1465	2060	1850	2190	2220	70 x 150
PV - 6/650	24-35	6	650	1900	8000	350	1465	2060	1850	2190	2220	70 x 150
PV - 5/800	24-35	5	800	1750	8000	350	1585	2220	1875	2230	2420	70 x 150
PV - 6/800	24-35	6	800	1970	8000	350	1585	2220	1875	2230	2420	70 x 150
PV - 5/1000	24-35	5	1000	2000	8000	350	1700	2355	1890	2300	2600	70 x 150
PV - 6/1000	24-35	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.



Demolition and sorting grapples

- High closing force is granted by the generously dimensioned hydraulic cylinder.
- Compact and simple design, easy servicing.
- Over-dimensioned end stops transfer shocks to the solid main frame and preserve cylinder
- HB 400 replaceable cutting edges grant maximum durability.

DG 25 Sorting



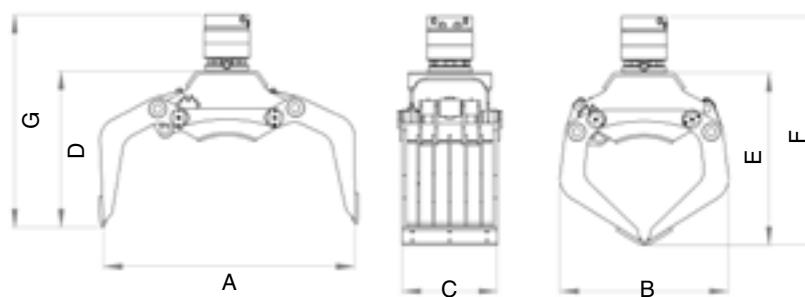
DG 250 Demolition



Model	Exc weight Ton.	Weight Kg	Vol. l.	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Closing force (200 bar) kN
DG 15	1,5	105	10	500	220	680	580	345	510	510	710	710	10
DG 25	2,5	115	40	500	220	930	610	350	590	650	850	790	10
DG 35	3,5	230	50	900	300	1070	675	400	630	710	940	860	25
DG 50	5	335	75	900	300	1260	820	450	740	830	1100	1010	25
DG 80	8	475	115	1500	300	1500	895	550	850	980	1190	1060	25
DG 110	11	510	190	1500	300	1610	1020	550	890	1050	1250	1090	25
DG 160 *	16	850	280	2500	300	1720	1130	700	1050	1180	1400	1280	32
DG 180 *	19	950	320	2500	300	1800	1240	800	1255	1395	1580	1450	32
DG 200 *	23	1300	400	5000	300	1850	1220	820	1220	1350	1580	1510	40
DG 250 *	30	1500	585	5000	300	2010	1310	1020	1285	1450	1675	1675	40

* Cylinder with hydraulic cushioning

Technical Data



Accessories

Adapter Bolt-on adapter for rigid mounting on excavator's arm

3 versions available:

“Demolition”, with metal ribs

“Sorting”, with perforated arms

“Universal”, with closed arms and teeth



3 versions available: Sorting, Demolition, Universal



SORTING:

- Perforated arms
- Bolt-on counterblades

Suggested applications: precise sorting of materials



DEMOLITION:

- Arms with metal ribs
- Bolt-on counterblades

Suggested applications: light demolition and sorting



UNIVERSAL:

- Arms with closed bottom
- Sawtooth profile of jaws
- Counterblades with teeth (welded retainer and replaceable teeth)

Suggested applications: stone handling, building of dry stone walls, landscaping architecture.

Accessories

Plate	Bolt-on plate
Adapter	Bolt-on adapter for rigid mounting on excavator's arm
Adapter for QC	Bolt-on adapter for quick coupler
Grippers	Kit for handling bricks and curb stone



Clamshell bucket for agriculture and light duties

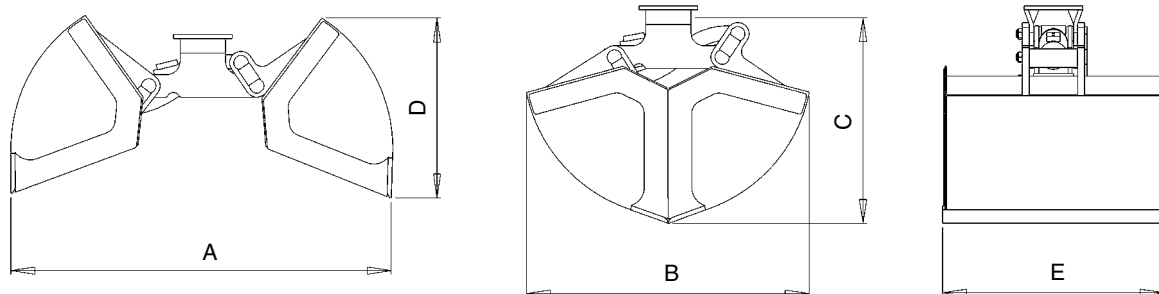
- Horizontal cylinder design grants reduced height
- Safety valve fitted as standard
- Alloy steel pins and hardened bushings are used in all junction points
- Cutting edges made of HB 400 wear-resistant steel



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/F	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

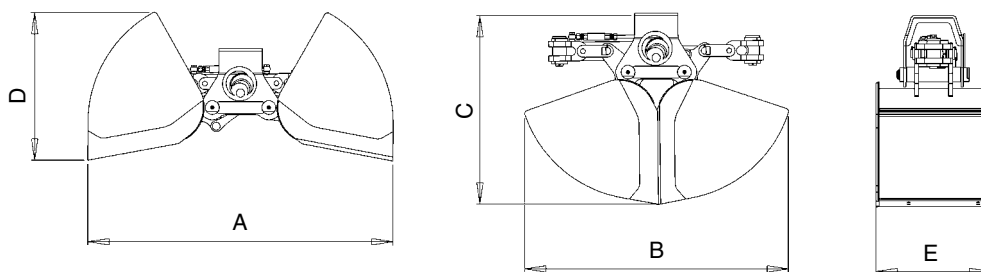
BMO-130/S

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

Clamshell bucket with horizontal cylinder for loading

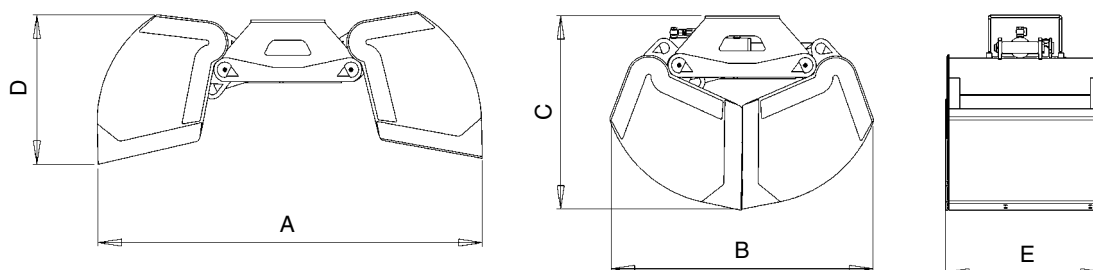
- Sturdy, reliable and compact design.
- Very good loading intake.
- Hydraulic or mechanical rotation available on demand.
- Cutting edges made of HB 400 wear-resistant steel



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

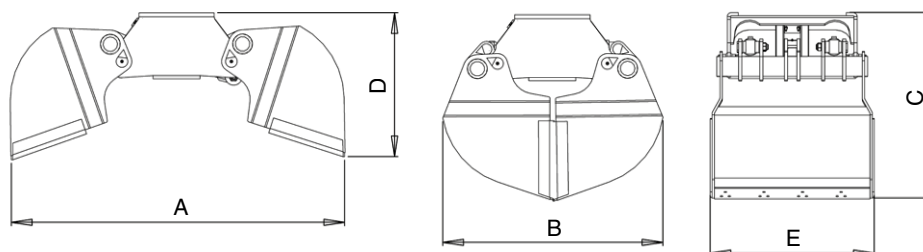


BM0-1000/P2



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	Hydraulic continuous rotator
Teeth	Digging teeth, bolted
Extension	Extensions up to 3 metres of length
Top link for excavator	Cardan suspension link for excavator

Clamshell bucket with two vertical cylinders, suitable for digging

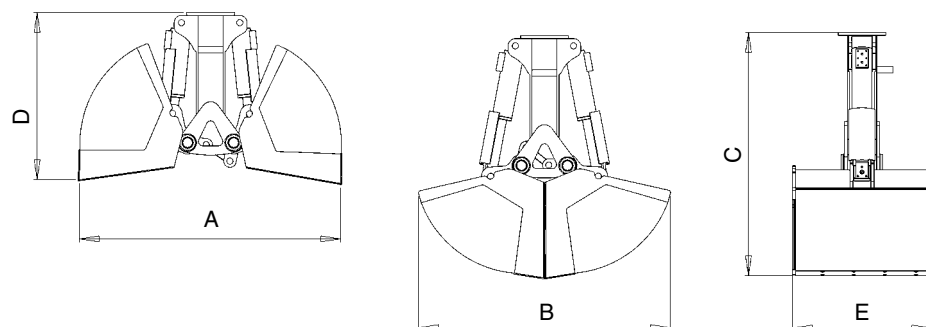
- Cylinders geometry grants very good digging capabilities.
- Sturdy and reliable design.
- Hydraulic or mechanical rotation available on demand.
- Cutting edges made of HB 400 wear-resistant steel.



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



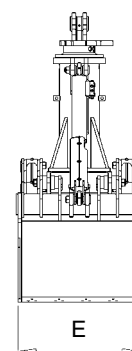
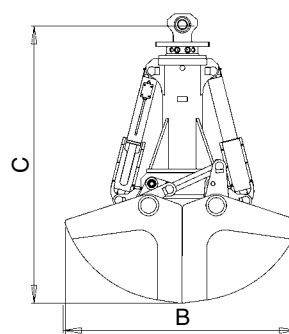
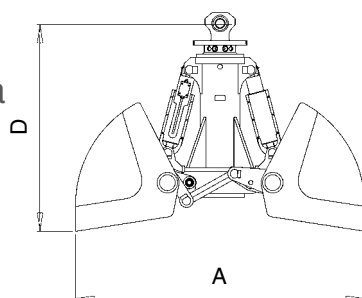
BMV-2/500-P



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

* Cylinders with hydraulic cushioning

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

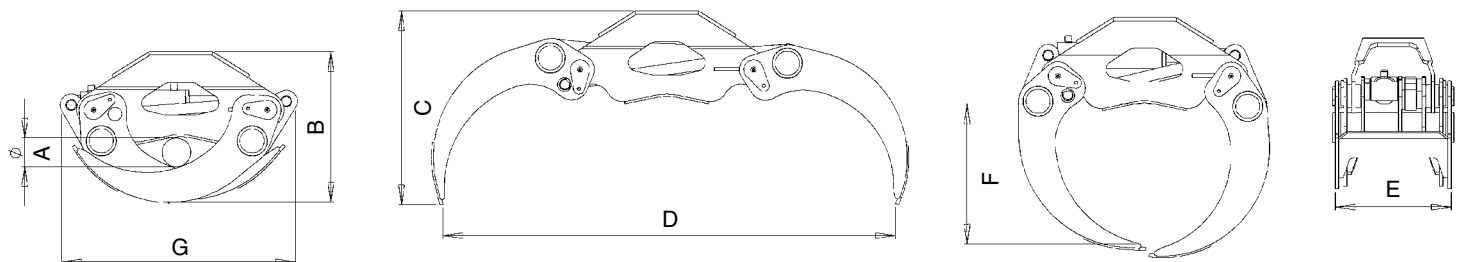
- Light grapple, suitable for not intense applications.
- Wide opening and very small gripping diameter when closed
- Safety valve is fitted as standard.
- Alloy steel pins and hardened bushings in all junctions.
- Entirely made of anti-yield DOMEX 690 steel.



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	Hydraulic continuous 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.



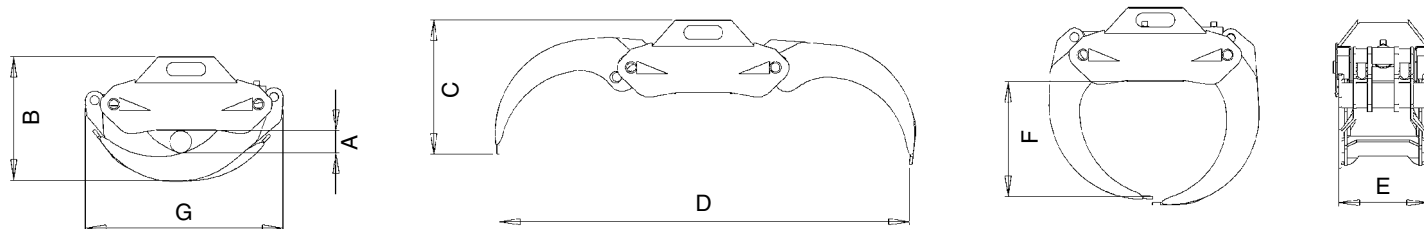
PTO-550/S



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

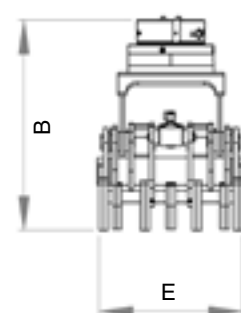
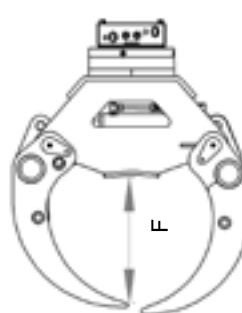
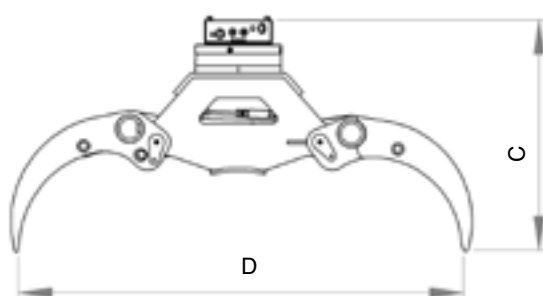
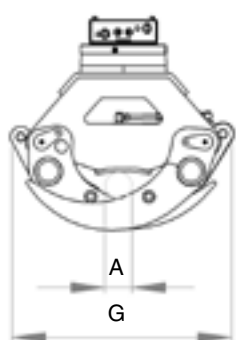
- High closing force; perfect balance due to the central cylinder design.
- Tines made of wear-resistant steel HB 400 and available in 2 versions, with 4 and 7 tips.
- Large opening and reduced overall dimensions when closed.
- Body made of high tensile steel, suitable to heavy-duty applications.



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 150-7	2 - 4	0,15	165	1000	220	80	710	815	1215	360	370	665
GRP 200-7	3 - 6	0,2	280	1500	220	80	760	905	1350	418	410	730
GRP 250-7	5 - 8	0,25	350	1600	220	80	790	910	1500	495	445	790
GRP 300-7	6 - 12	0,3	475	1750	300	100	815	995	1650	572	500	850
GRP 400-7	9 - 16	0,4	615	2000	300	120	930	1020	1800	650	570	980
GRP 500-7	16 - 23	0,5	950	3000	350	130	1025	1210	2050	700	640	1100



Accessories

GRI	Hydraulic continuous rotator 360°
Adapter	Bolt-on adapter for rigid mounting

Also available with:



4 tips:



4 tips and blade:

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

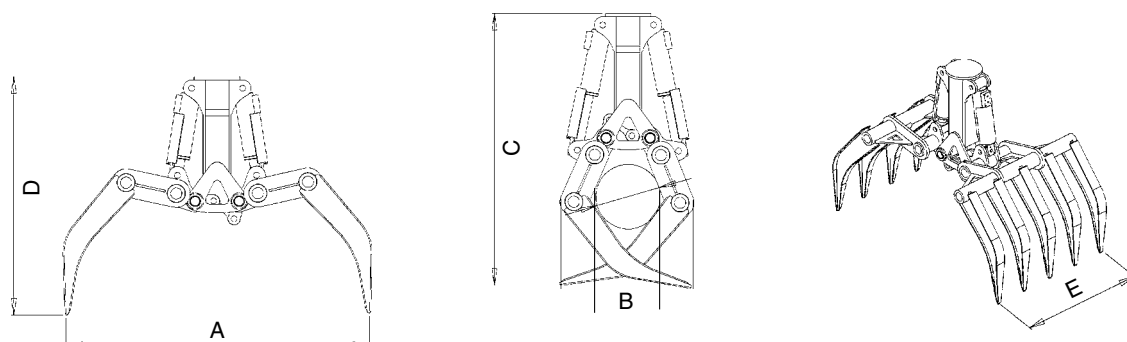


FMV-1000



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
FMV - 1000	1000	850	3000	300	1900	575	1660	1300	1000

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

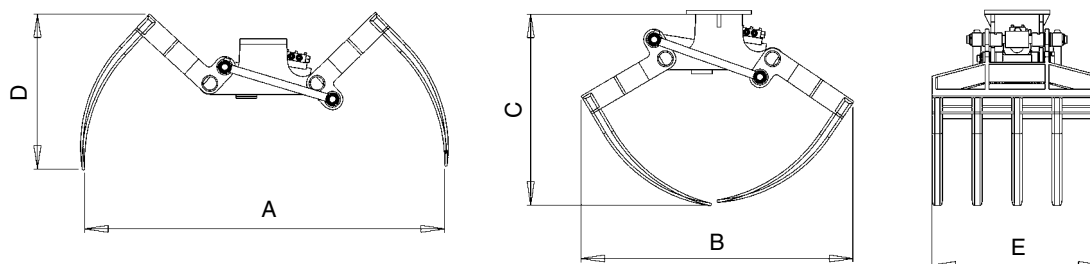


FLO-12



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/F	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.

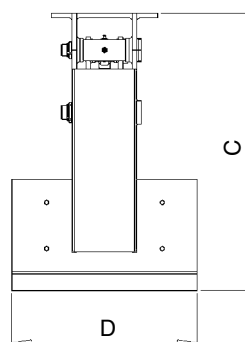
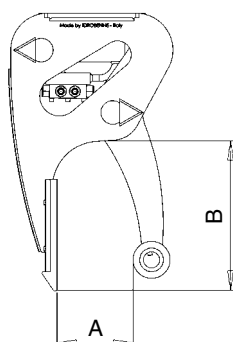


KSG-400



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 3 T/F	Flanged hydraulic rotator
Top link for crane	Cardan suspension link for truck crane
Top link for excavator	Cardan suspension link for excavator

Pallet forks

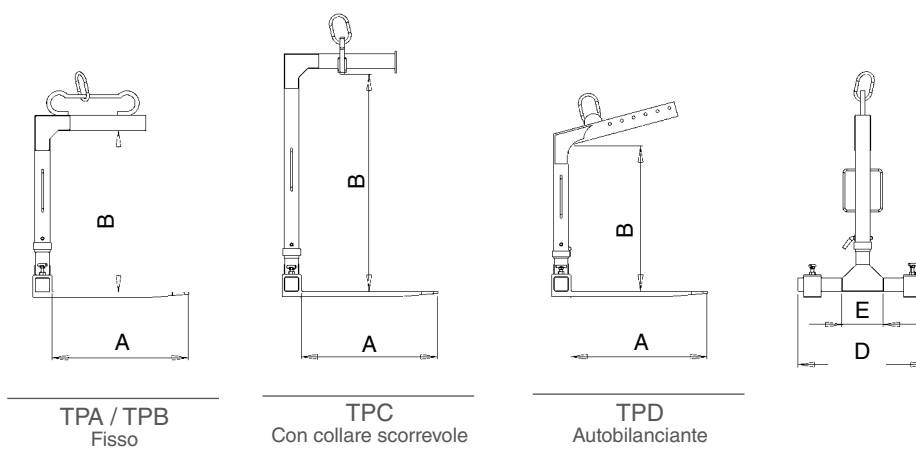
- Different models with 2000 Kgs. max load capacity.
- The sturdy construction grants safe operations.
- Tips made of forged steel.
- Adjustable loading height and width.



TPD-2000

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

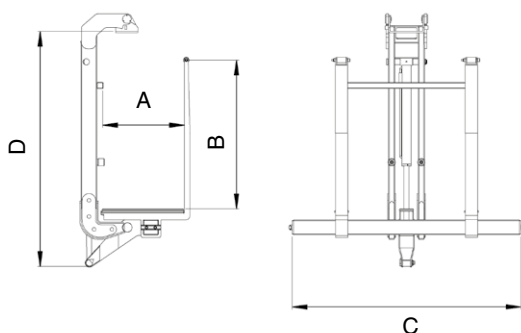
- Main frame's special design grants high resistance and low overall weight.
- Forks made in hardened boron steel.
- 3 nylon pads with improved thickness and polyurethane bumpers.
- Precise, robust and easy-to-use fork locks.

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")			
				558 (22")			

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

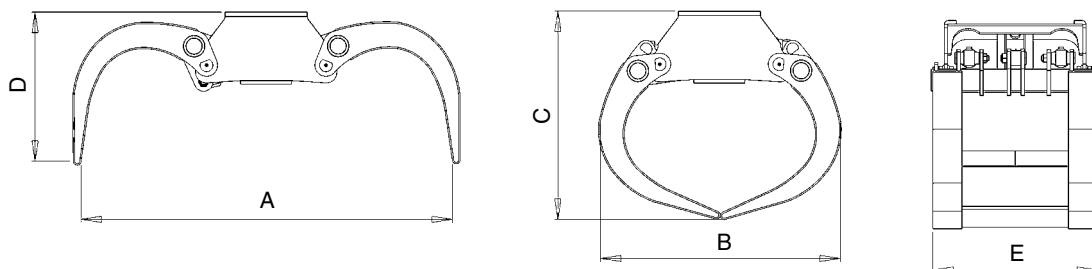
- Sturdy, reliable and compact design.
- Suitable for wooden and concrete sleepers.
- Double horizontal cylinder for maximum gripping power.
- Made of DOMEX 690 steel. Cutting edges in HB 400.



PFS-55/TP

Model	Weight Kg	Max load daN	Max BAR	A mm	B mm	C mm	D mm	E mm
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.

PFS-70/R

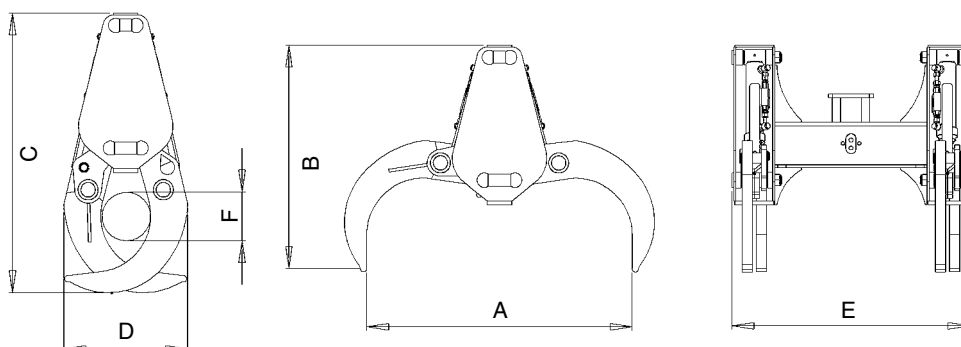


PFS-140/R



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	1335	1100	1365	740	1175	130

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

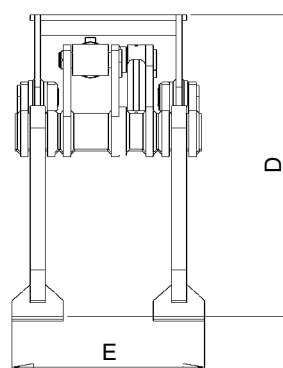
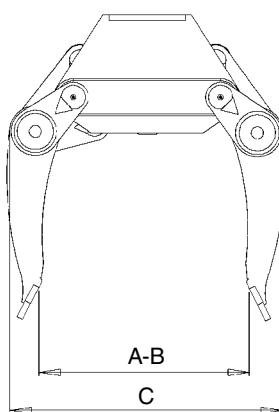
- Generously dimensioned cylinder provides huge tamping force.
- Avoids wearing to the machine caused by vibrating units.
- Sturdy construction.
- Made of DOMEX 690 steel.



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

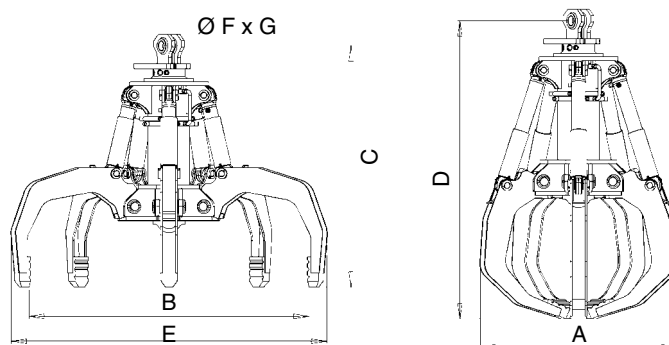


POM-5/1000 P



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

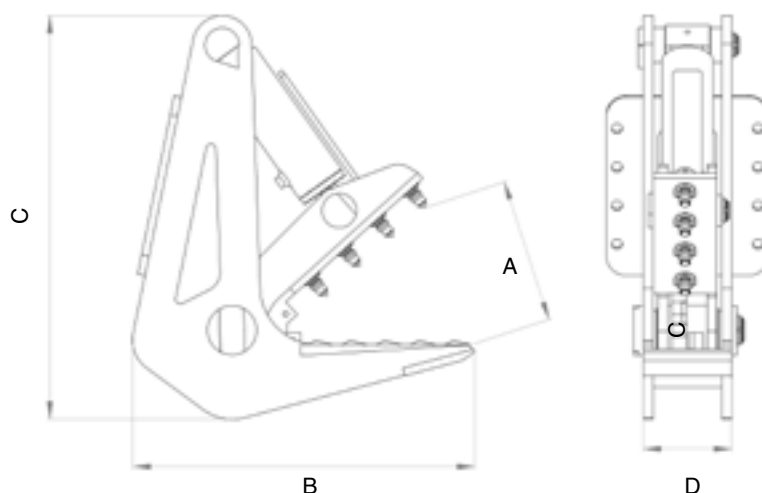
High quality alligator crusher for mini-excavators

- Allows indoors crushing with the smallest mini excavators.
- Hardox 400 frame grants long lifespan and high performance.
- Tungsten carbide replaceable teeth.
- Large diameter cylinder with guard.
- Entirely built and tested in house.
- Shears bars up to Ø 14 mm.



Model	Exc. class Ton	Weight Kg	Max Pressure BAR	Oil flow l/min	Closing Power kN	A mm	B mm	C mm	D mm
CP 25	1 - 3	130	300	15 - 30	120	280	700	820	180

Technical Data



Accessories

GRI	Hydraulic continuous rotator
Adapter	Bolt-on adapter for rigid mounting

Hydraulic rotators

- Wide range of models, with shaft or flange, to provide the best solution for every need.
- High rotation torque in compact dimensions.
- Extreme manufacturing precision to guarantee reliability and durability.



Technical data

MODEL	Application	Weight Kg	Max BAR	Load capacity Ton.	Torque Nm.	Recomm. oil flow rotation l/min.
GRI 3 T/F	small truck cranes	24	220	3	900	10-20
GRI 4 T		24	220	4,5	1200	10-20
GRI 4 T/F		29	220	4,5	1200	10-20
GRI 4 T/S		25	320	4,5	850	15-40
GRI 4 T/SF		27,5	320	4,5	850	15-40
GRI 4,5 T/SFF	medium-size truck cranes	26,5	320	4,5	850	15-40
GRI 5 T/S		25,5	320	4,5	850	15-40
GRI 5 T/SF		32	320	4,5	1000	15-40
GRI 6 T/SF	forest loader cranes medium excavators	47	320	6	1000	20-40
GRI 6 T/SFF		41	320	6	1000	20-40
GRI 10 T/SFF		60	320	10	2000	20-40
GRI 11 T/SF	excavators and material handlers	58	250	10	2200	25
GRI 10 T/P		71	320	10	1500	20-50
GRI 12 T/P		77	250	12	3000	28
GRI 17 T/SF		64	250	16	3300	35
GRI 20 T/P		150	250	20	4100	35
GRI 21 T/P		121	250	21	4350	35
GRI 30 T/P		220	250	30	7000	40

Orange peel grapples

PFO 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 4/180; 5/220; 6/230	3	4	5	6																											
PFO 4/250; 5/250; 6/270			5	6	7	8	9																								
PFO 4/300; 5/300; 6/320				6	7	8	9	10																							
PFO 4/400; 5/400; 6/400							8	9	10	11	12																				

Weight Ton

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

PFO 400-SR											12	13	14	15	16																
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PFO 400-P													14	15	16	17	18	19	20	21	22										
PFO 600-P														16	17	18	19	20	21	22	23										

PV 500; 600																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</
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Rock grapples

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

Demolition and sorting grapples

DG 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
DG 25	2	3																													
DG 35		3	4																												
DG 50			4	5																											
DG 80					6	7	8																								
DG 110								9	10	11																					
DG 160											12	13	14	15	16																
DG 180																17	18	19													
DG 200																	19	20	21	22	23										
DG 250																			22	23	24	25	26	27	28	29	30				

Clamshell buckets

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				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 2/300P; 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 grapples

PTO 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
PTO 150	2	3	4																												
PTO 200		3	4	5																											
PTO 300			4	5	6	7																									
PTO 200 S			3	4	5																										
PTO 300 S				4	5	6	7																								
PTO 400 S					6	7	8	9	10	11																					
PTO 550 S									10	11	12	13	14	15	16	17	18	19	20												
PTO 700 S																			19	20	21	22	23	24	25	26					

Multipurpose grapples

GRP 150	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
GRP 200		3	4	5	6																										
GRP 250				5	6	7	8																								
GRP 300					6	7	8	9	10	11	12																				
GRP 400								9	10	11	12	13	14	15	16																
GRP 500																16	17	18	19	20	21	22	23								

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 600				5	6	7	8	9																							
FMV 1000								9	10	11	12	13	14	15	16	17	18	20													





CUSTOM MADE SOLUTIONS



Certificate N. 6507



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Rivenditore

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Idrobenne s.r.l.
Via I maggio 1/9
25010 Isorella (Brescia) Italy
c.f./p.iva 01787380987

tel. +39 030 9958283
fax +39 030 9952660
info@idrobenne.com
www.idrobenne.com