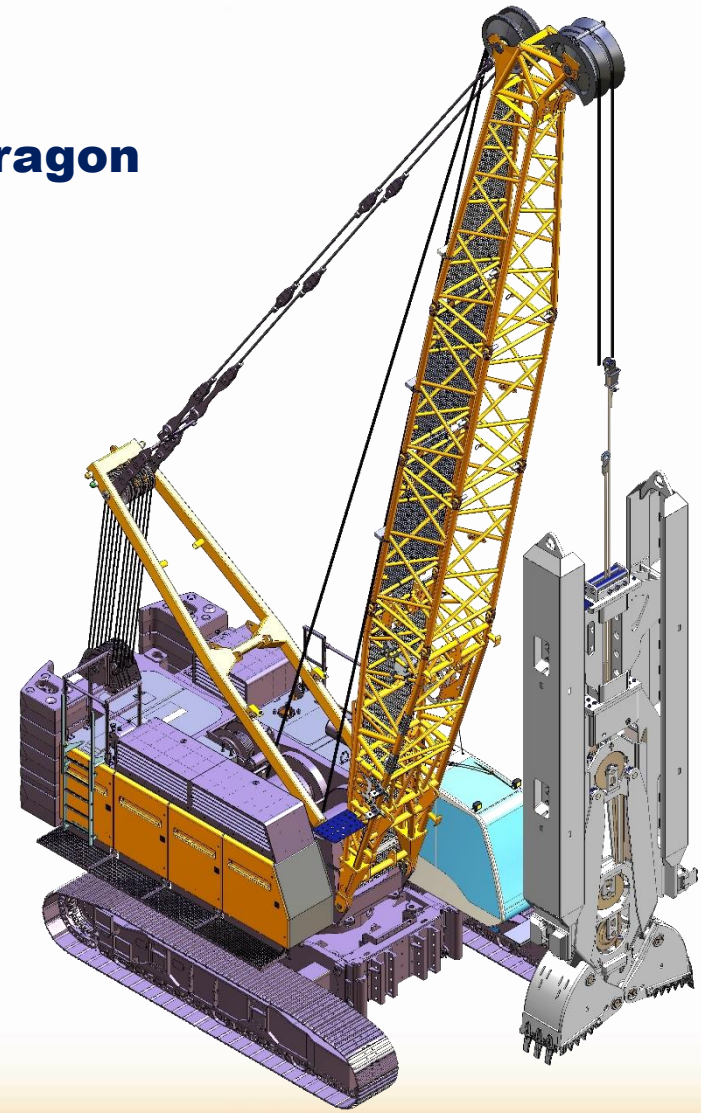
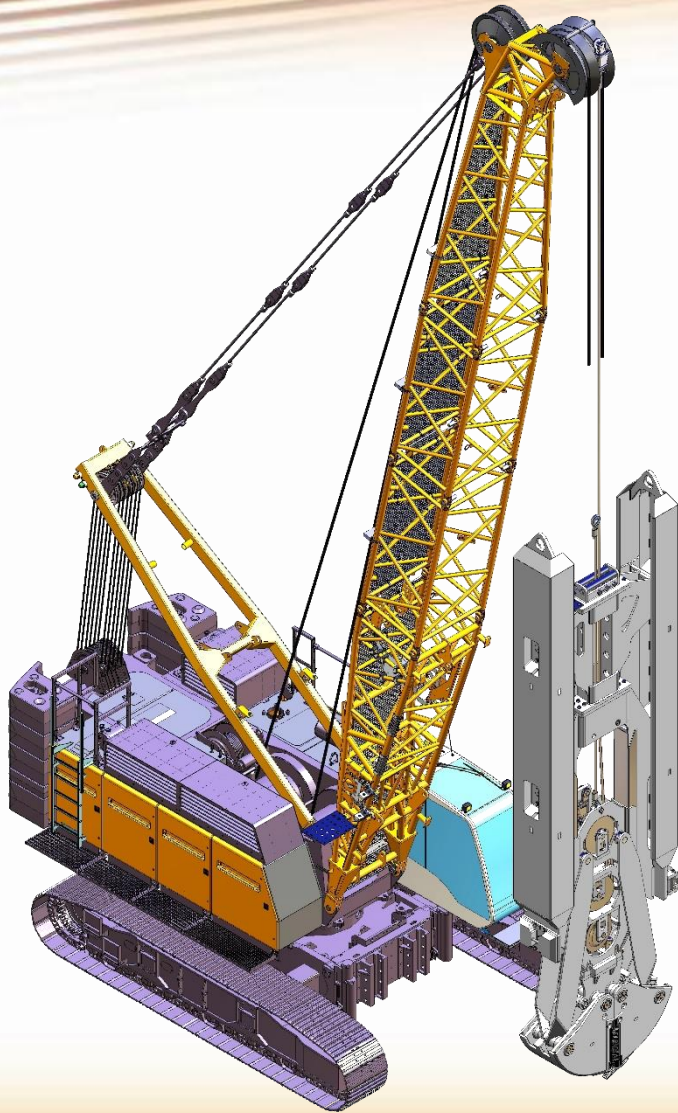
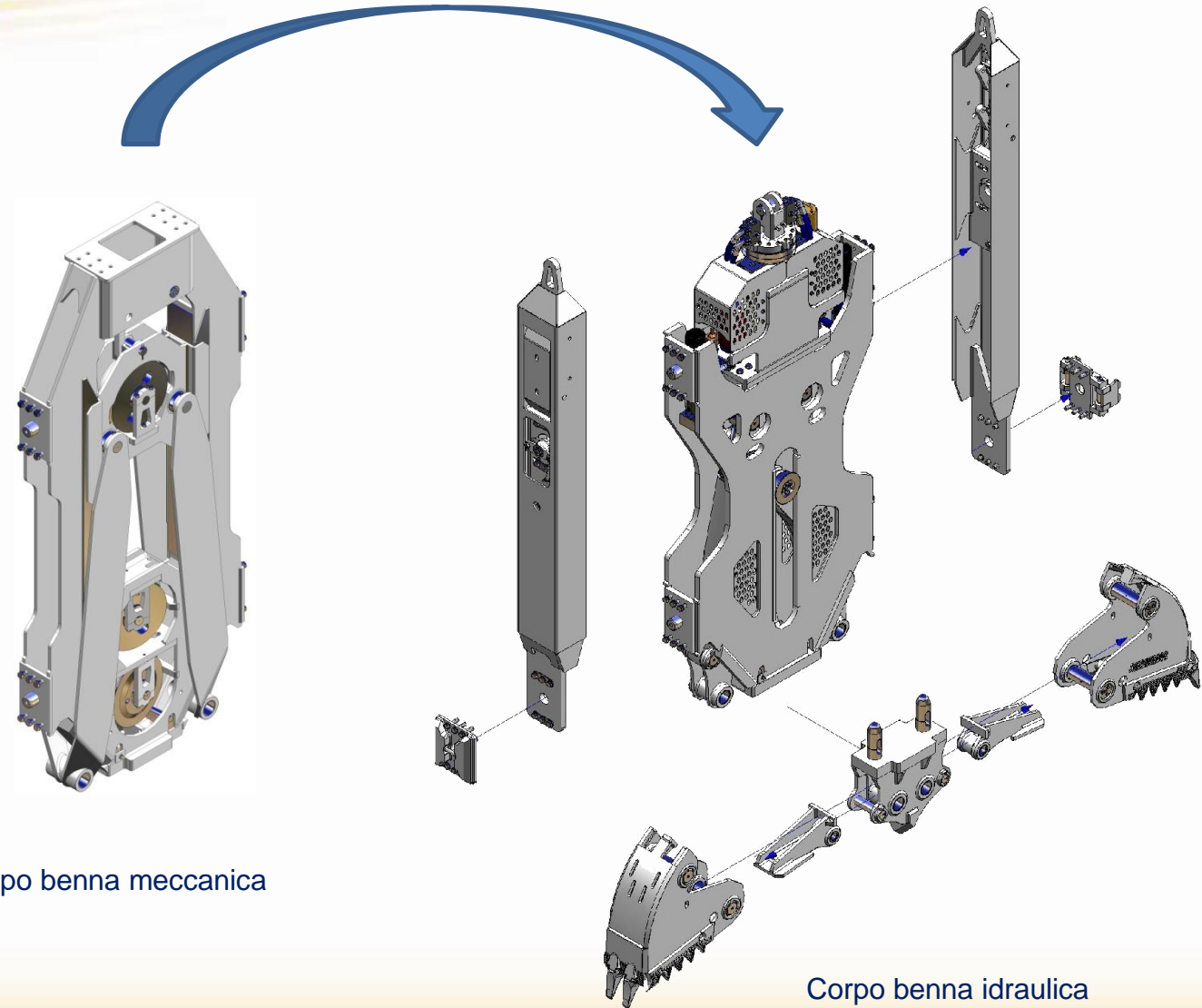


Benna Red Dragon



All accessories are interchangeable between hydraulic and mechanical grab, an economic advantage, because you can use the excavation kit both on the hydraulic and on the mechanical grab



Corpo benna meccanica

Corpo benna idraulica

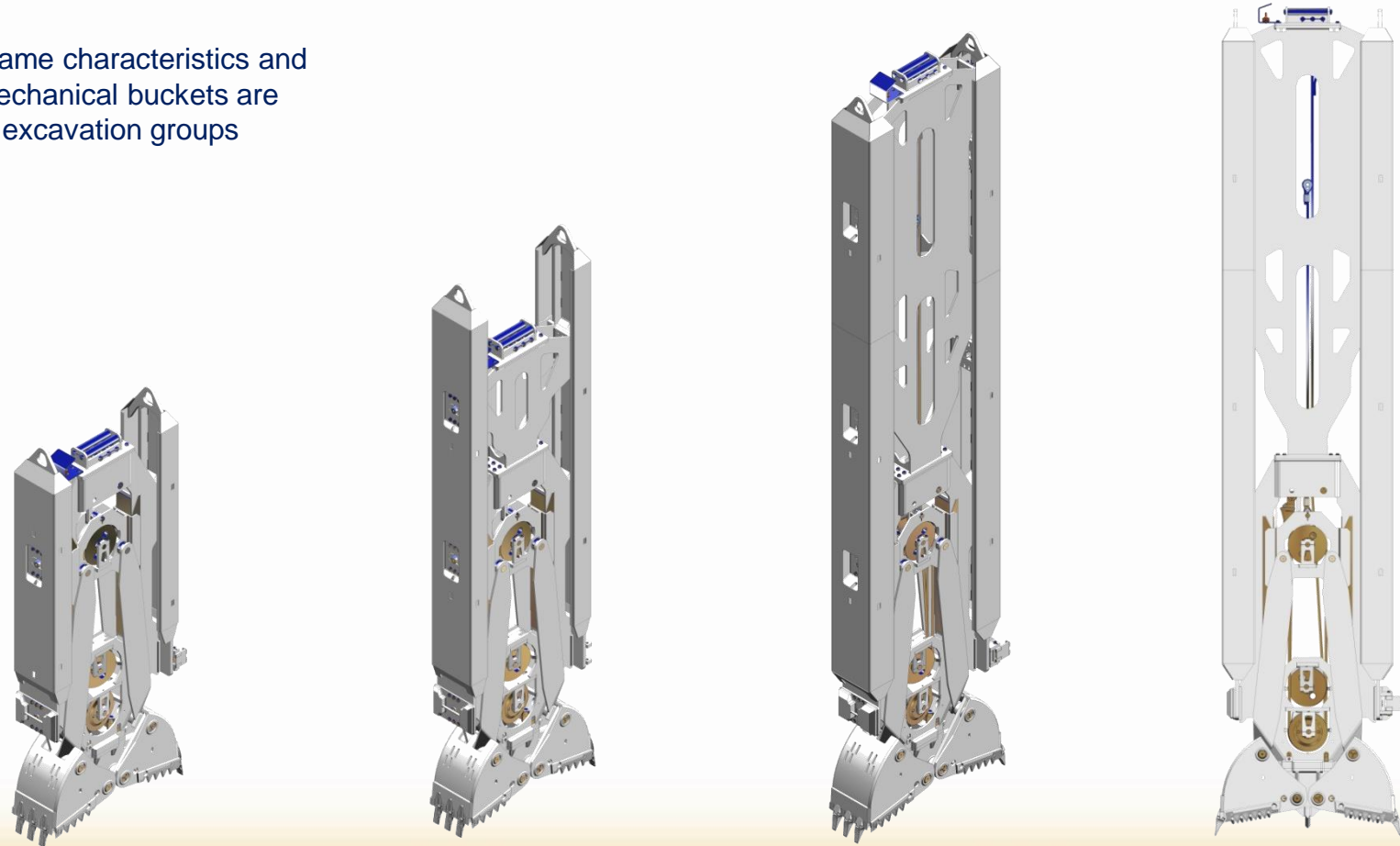
Dragon White grab (hydraulic)

All the Dragon family have same characteristics and accessories, hydraulic and mechanical buckets are interchangeable with similar excavation groups

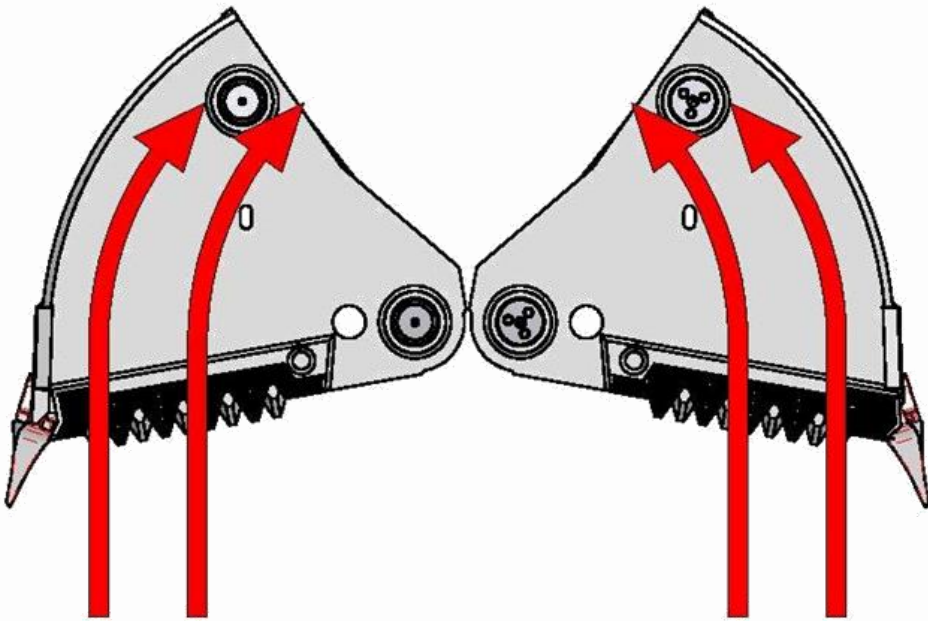


Red Dragon grab (mechanical)

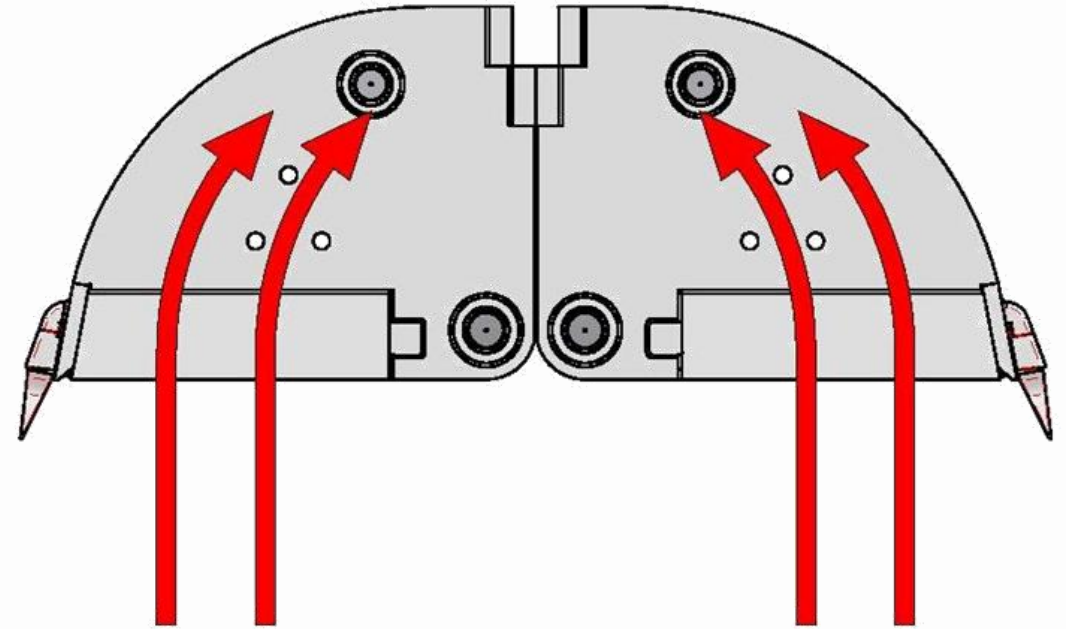
All the Dragon family have same characteristics and accessories, hydraulic and mechanical buckets are interchangeable with similar excavation groups



Improving mud drainage through big passages in valve



Dragon valve



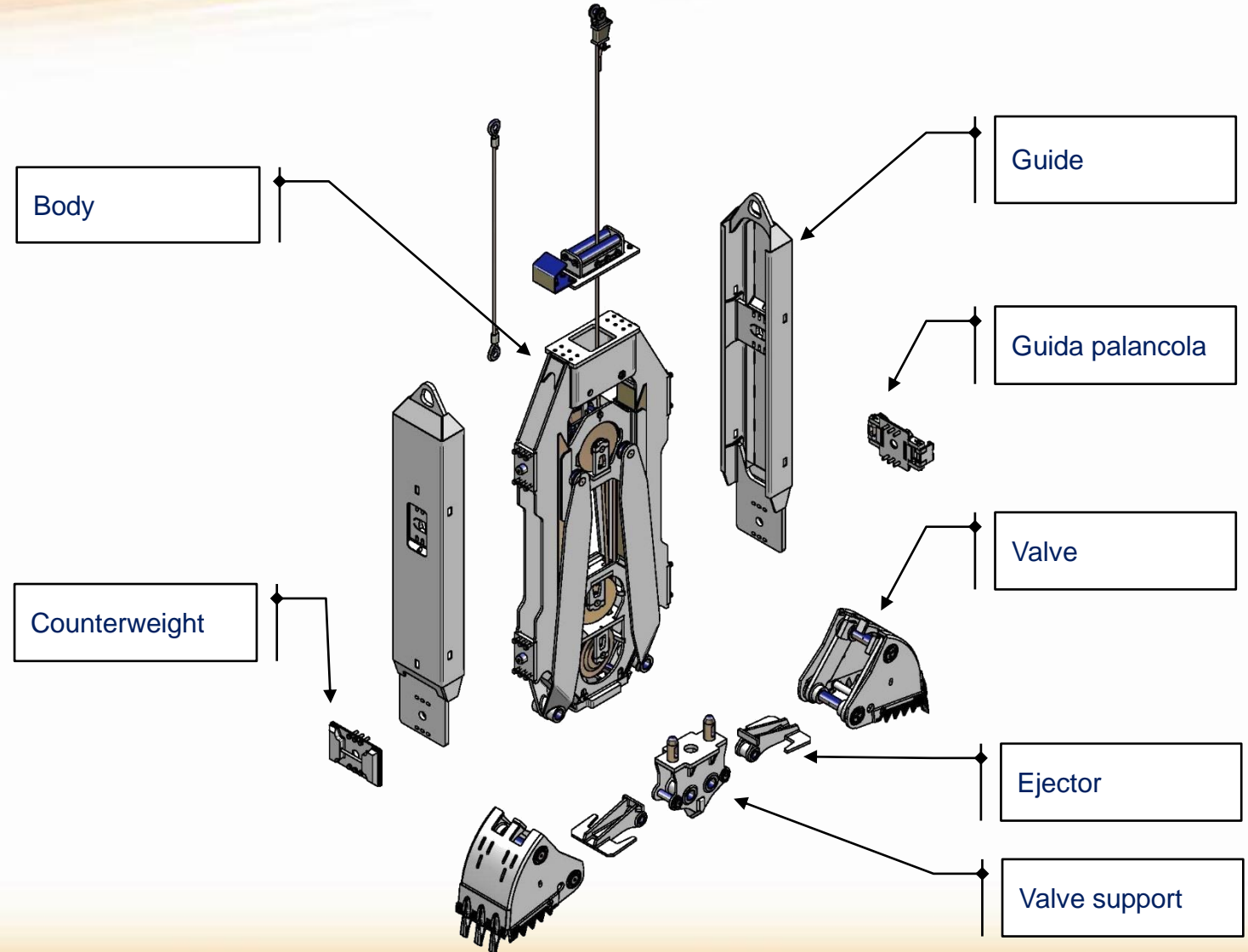
Valve with reduced passages of mud

The bucket is built with a central body and an excavation kit composed of:

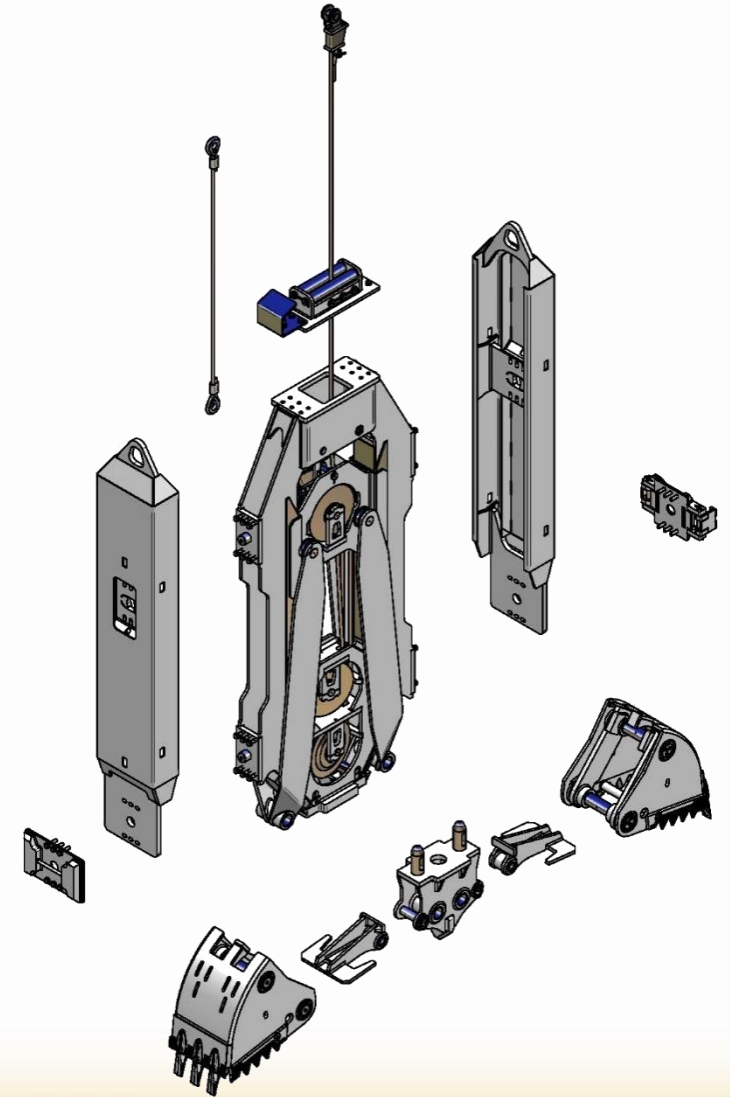
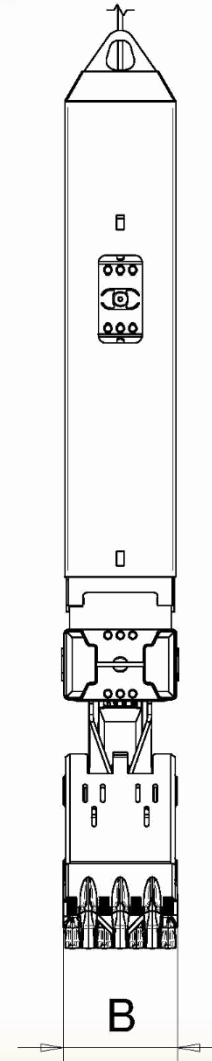
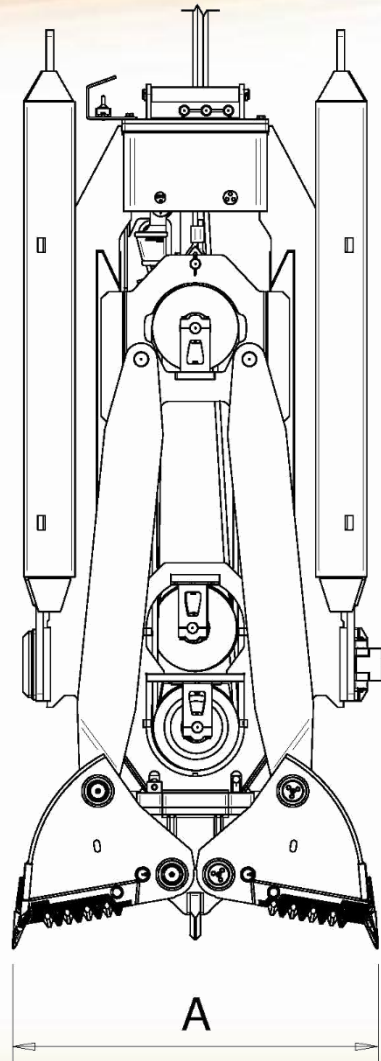
- Valve
- Ejector
- Valve support
- Guide

The bucket is modular and can be implemented with different optional to increase performance

The type of grab are:
GP (general purpose)
HD (heavy duty)

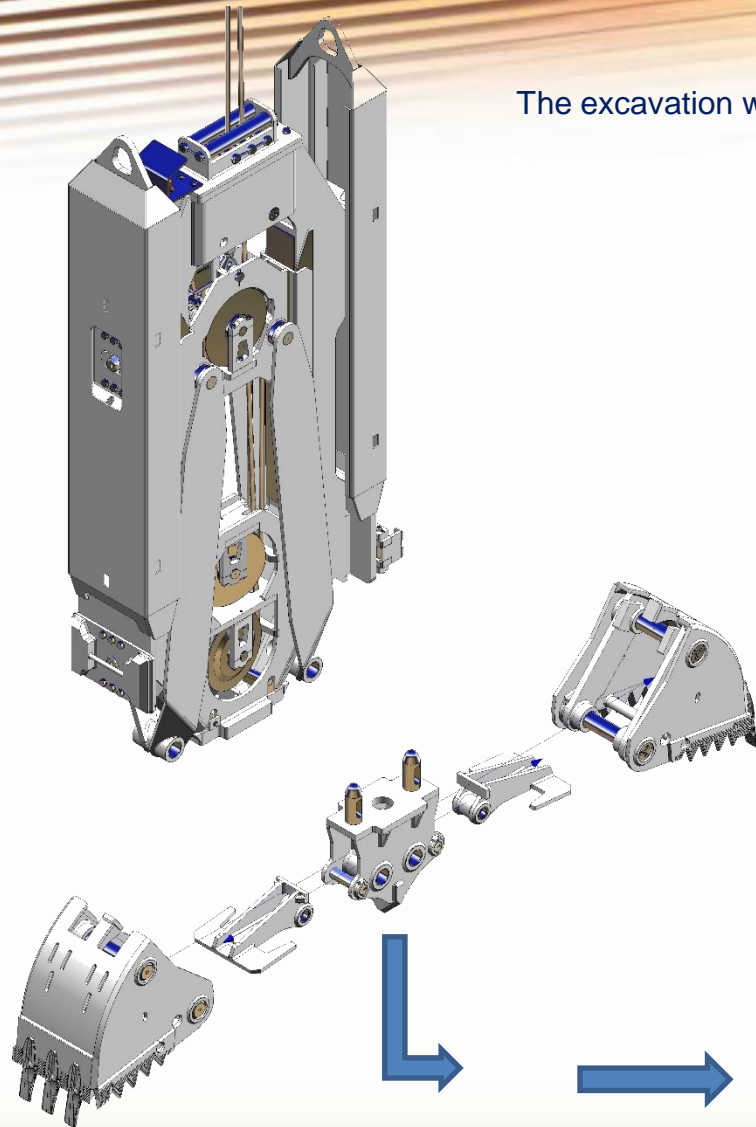


Excavation dimensions:
Length (A) from 2500 to 3600
Width (B) from 500 to 1800

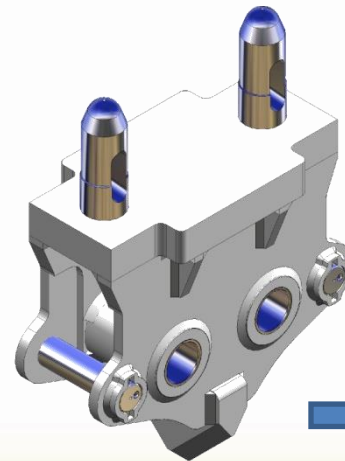


The excavation width is related to the width of the valve support, each support accepts a series of valves

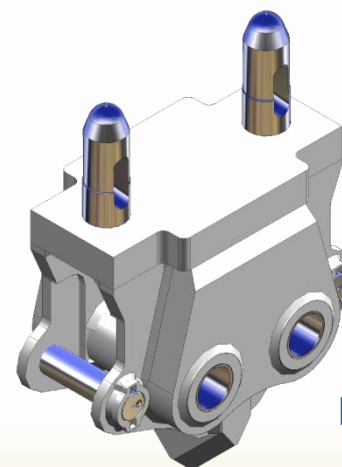
Valve width	Valve support
from 480 to 800	Type 32
from 801 to 1400	Type 52
from 1401 to 1800	Type 72



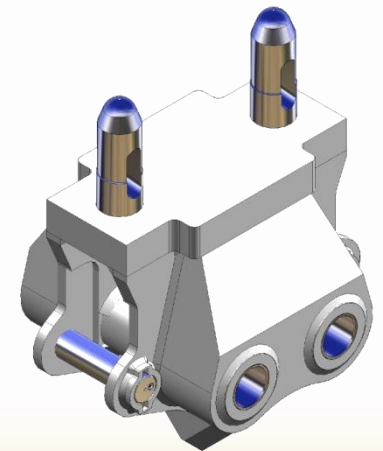
Type 32

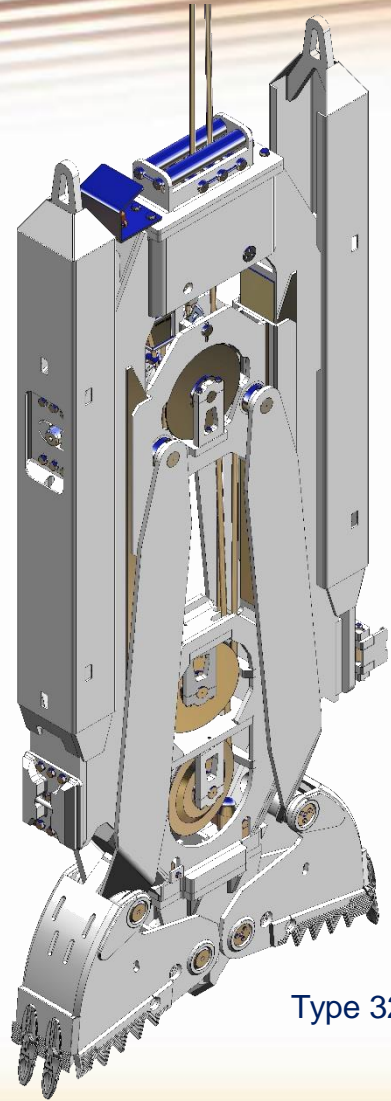


Type 52

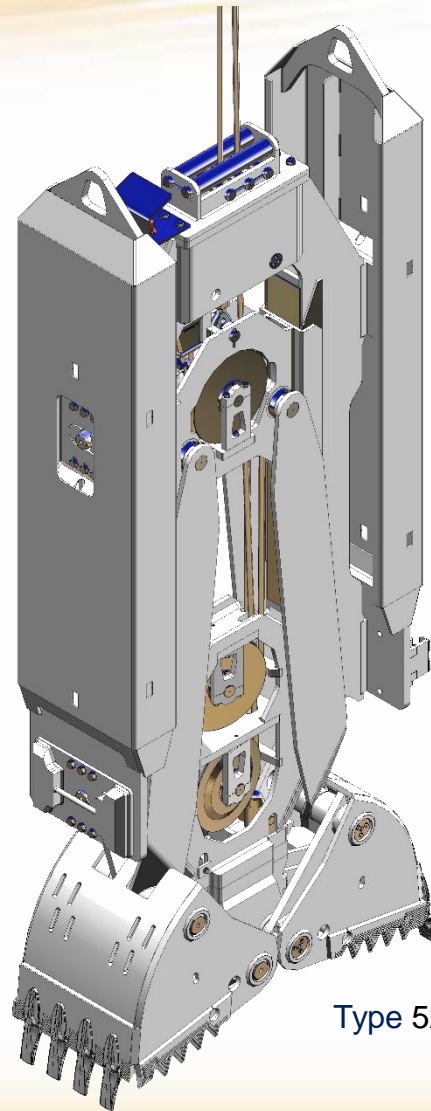


Type 72

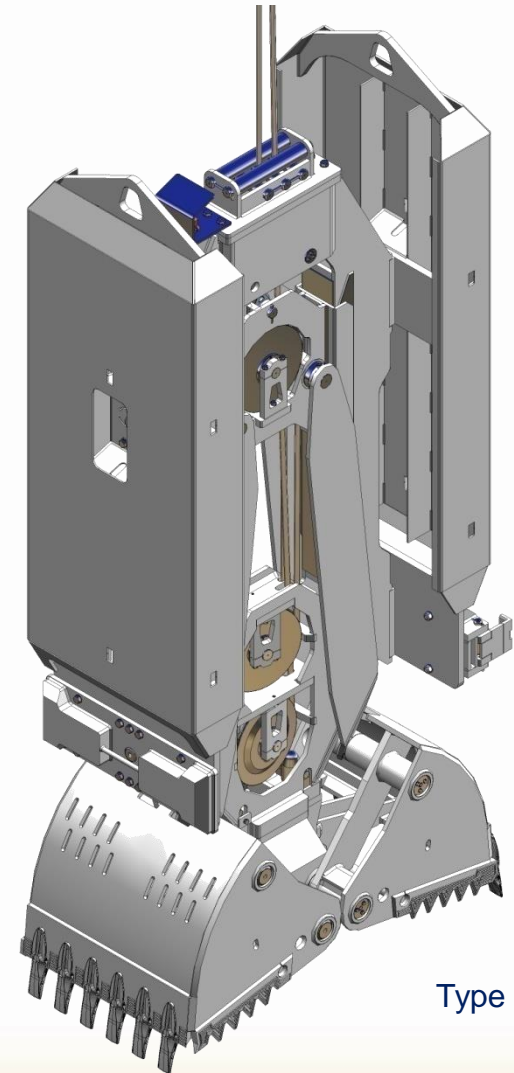




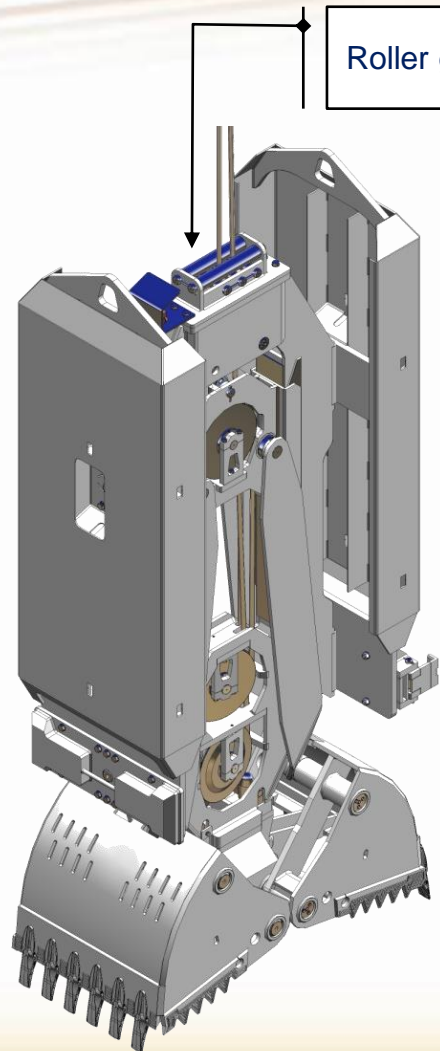
Type 32



Type 52



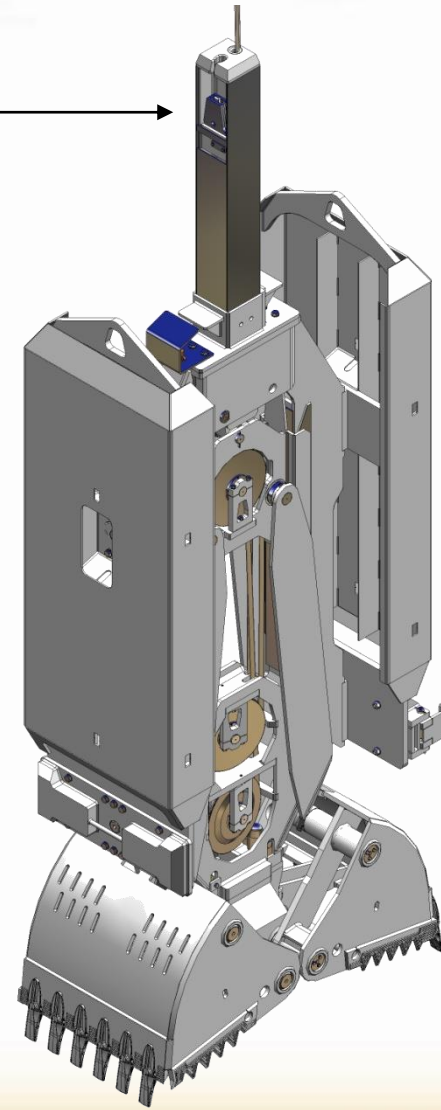
Type 72



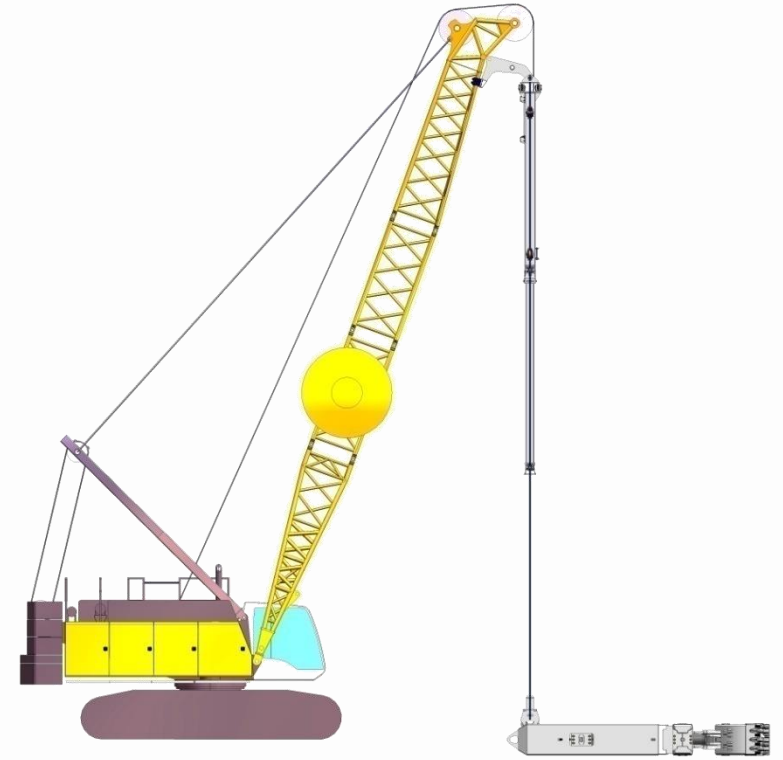
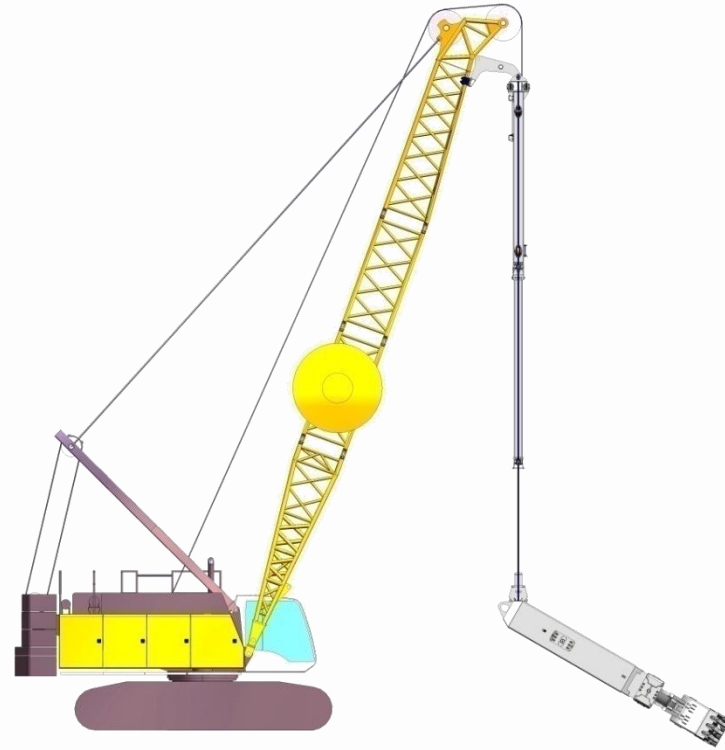
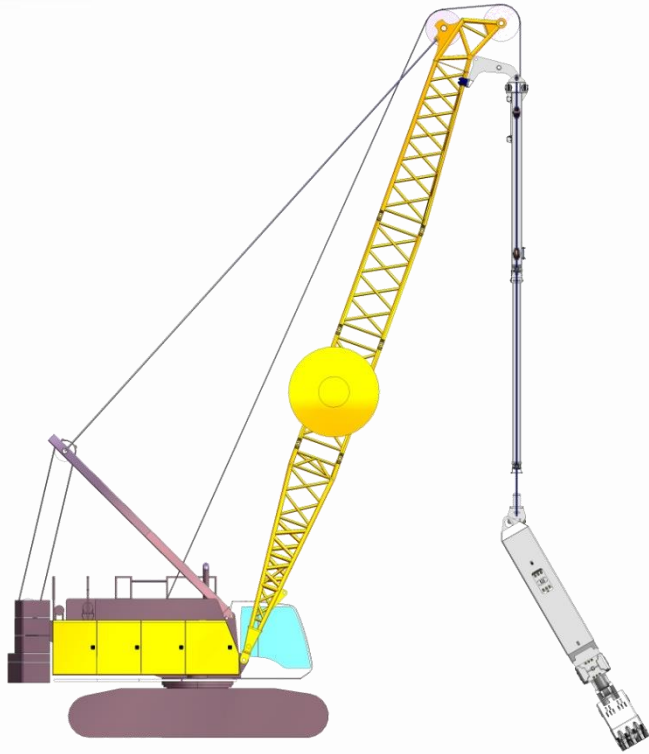
Roller guide

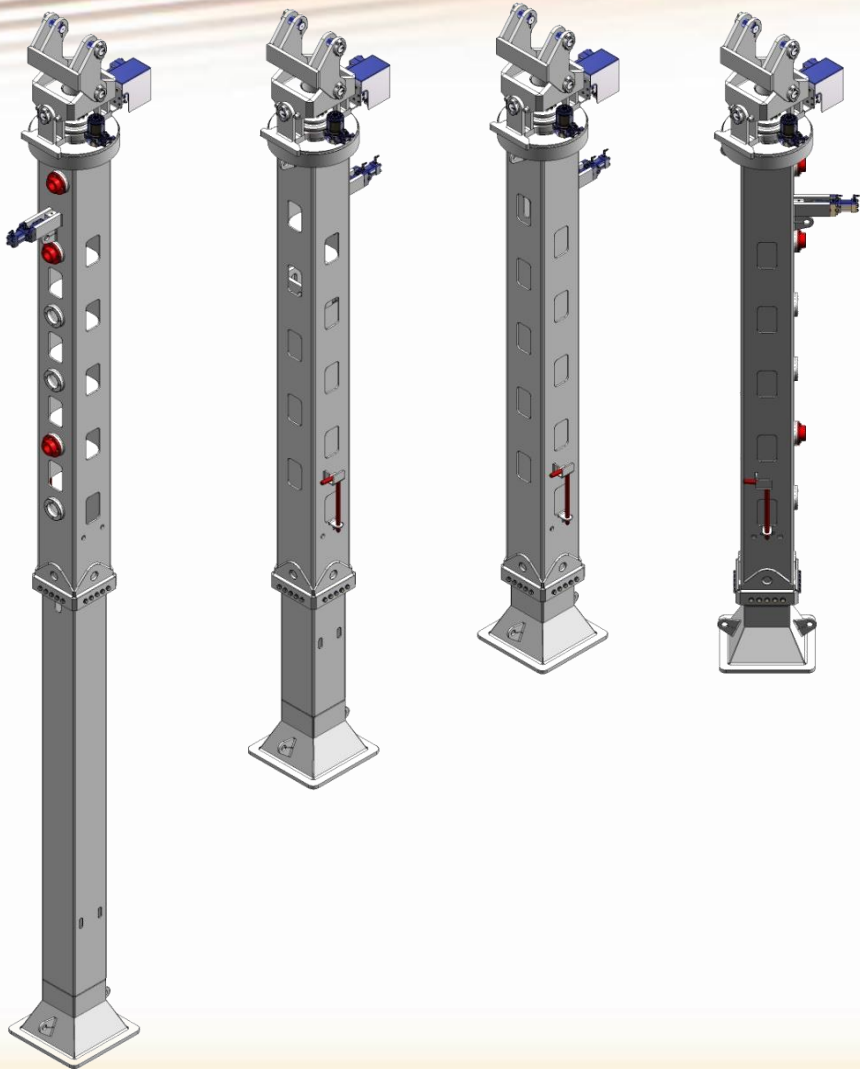
Standard model with rope
guide roller conveyor

Kelly guide



Model with Kelly rod, raises the
attachment of the bucket and
lowering the center of gravity, so the
bucket is easier to use.

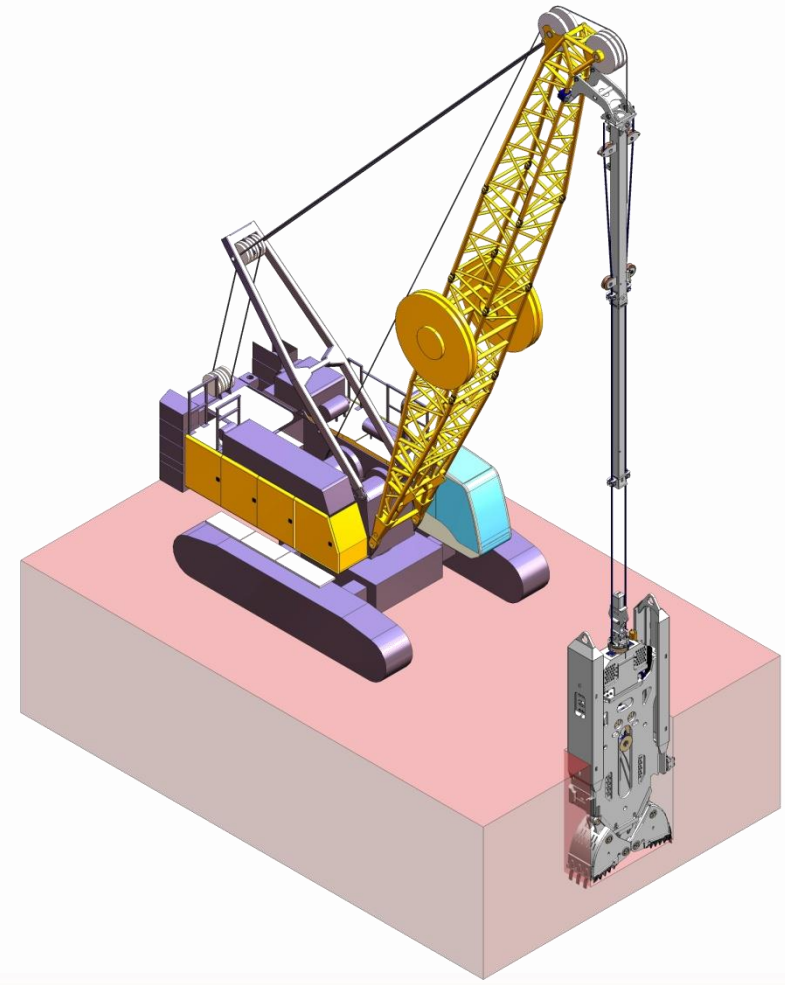
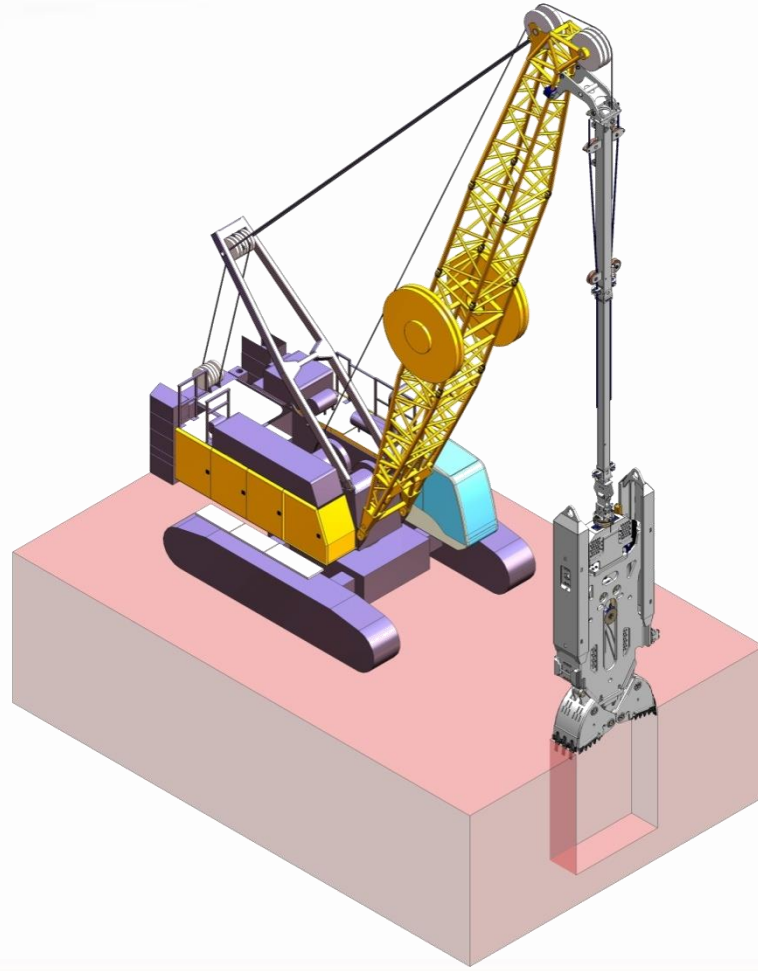
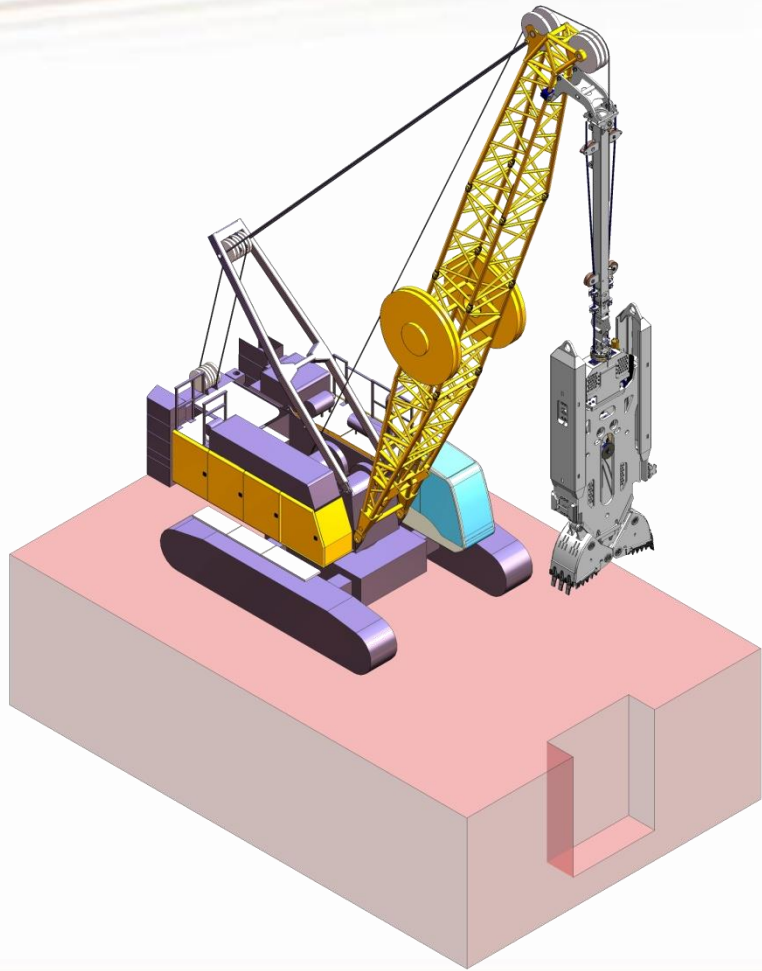




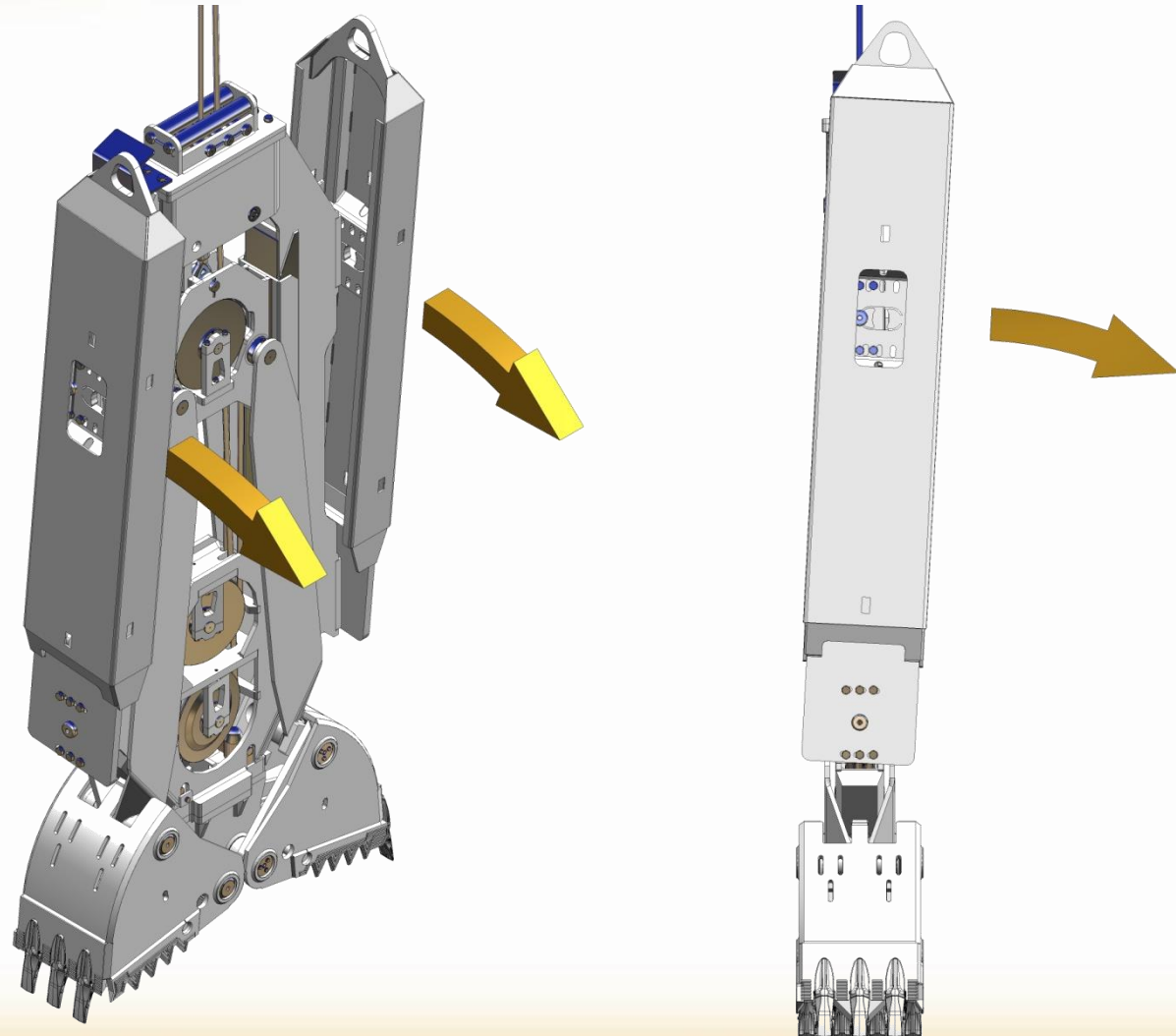
The Semi Kelly permits an initial alignment rotation for digging with subsequent automatic rotation by 180°. The bucket control eliminates the need for a man on the ground and permits digging close to the tracks. The telescopic effect enables considerable bucket raising with the possibility of unloading materials directly into a truck, reducing worksite costs and keeping the site cleaner.







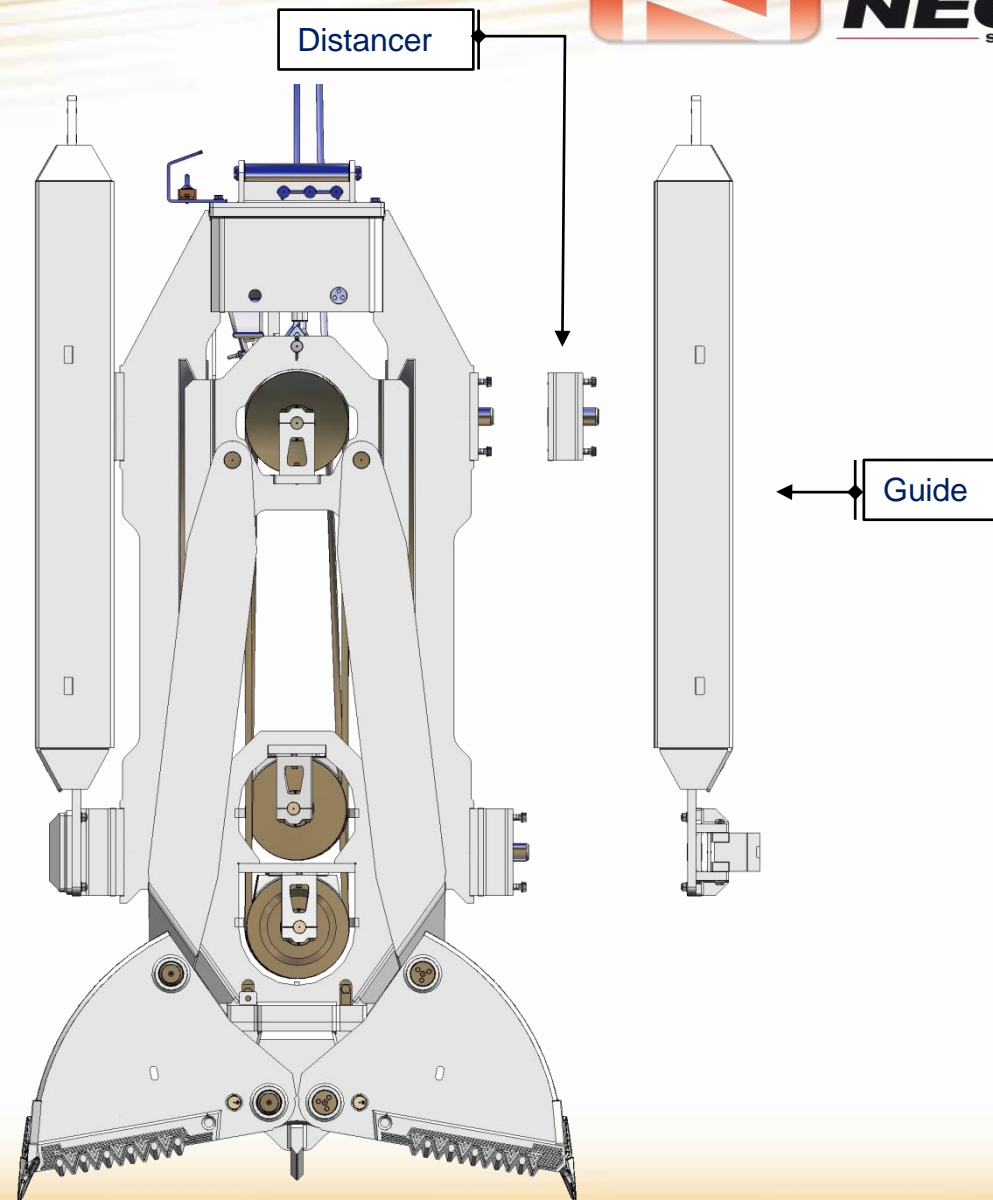
- The oscillating guides permit adjustments to correct the verticality of excavation.
- The system is hydraulically operated from radio remote control.
- The grab must be equipped with the hydraulic rotating head.
- This device permit the installation of the guide from 780 or superior
- This device don't permit the installation of the "guide sheet pile system"

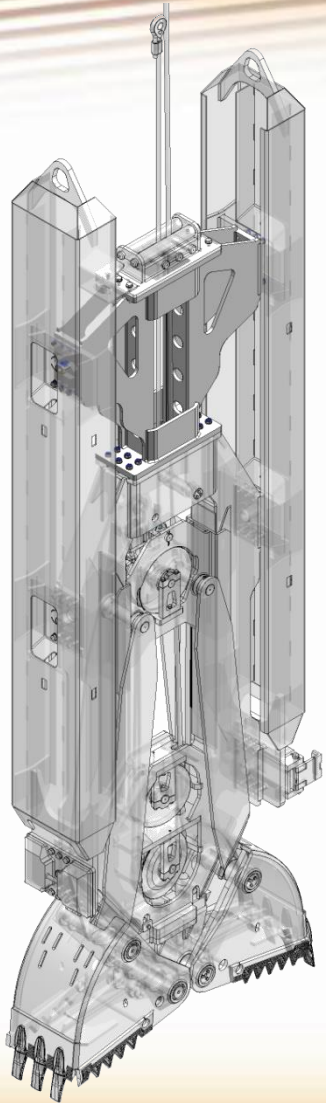


Composition

Jaw opening	Guide	Distancer
2500	2500	no
2800	2800	no
3000	2500	250
3200	2800	200
3400	2800	300

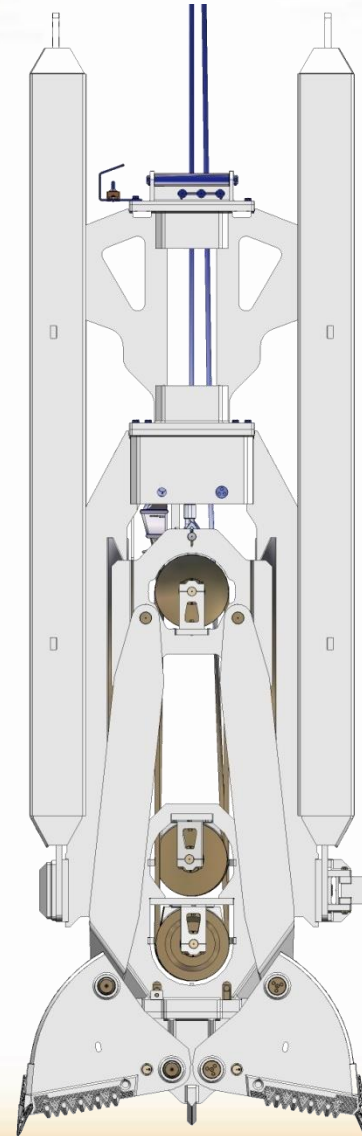
Is possible supply distancer and guides with personalized dimension



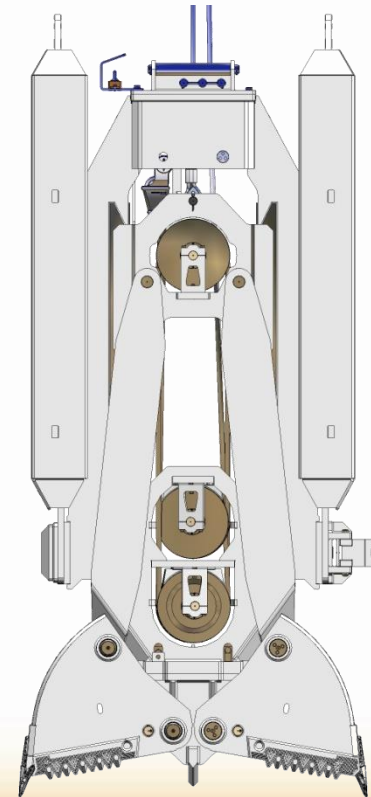


Extension

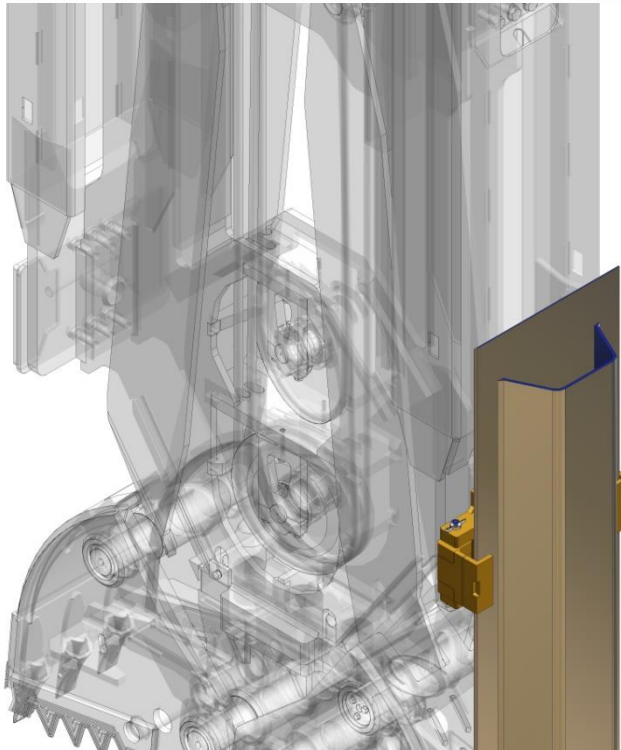
The extension allows the raising of the bucket, The bucket extended increase the vertical depth of the excavation, the extension is recommended over 40 m



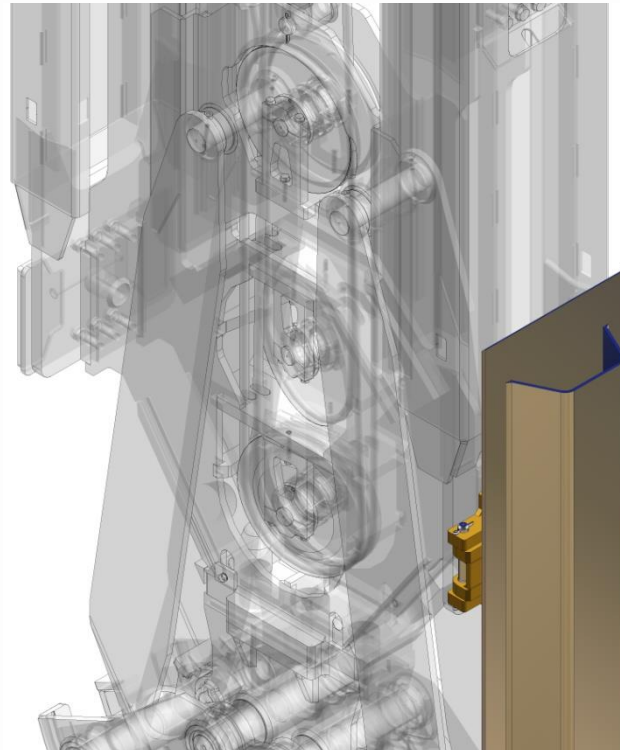
Standard



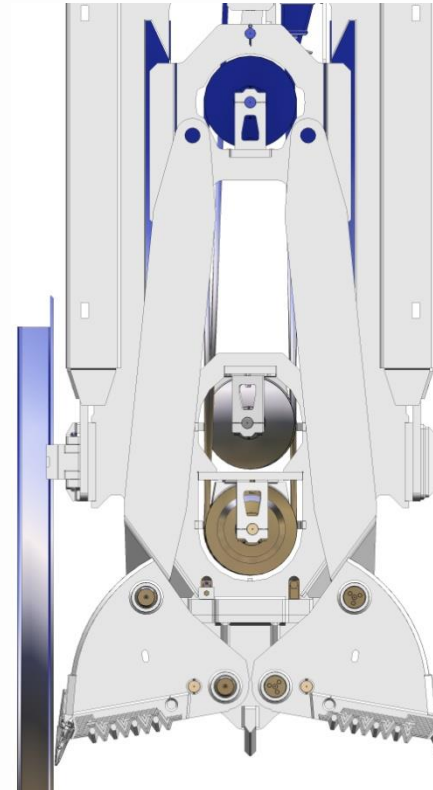
The pile driving hand allows a verticality controlled descent and reduces the adherence of the pile from the diaphragm



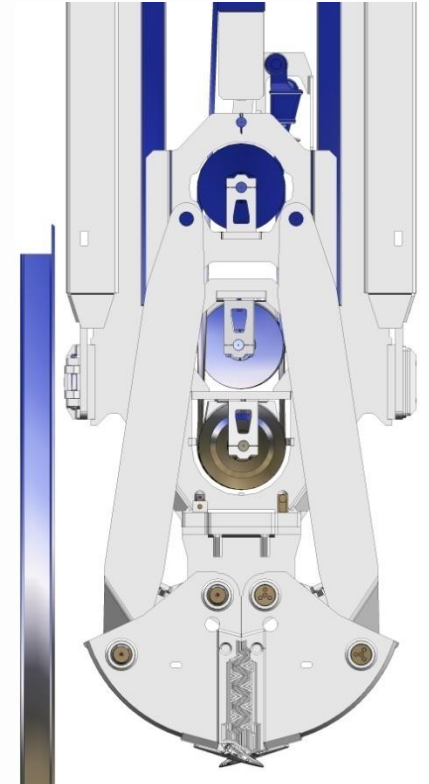
Resting hand



Takes hand

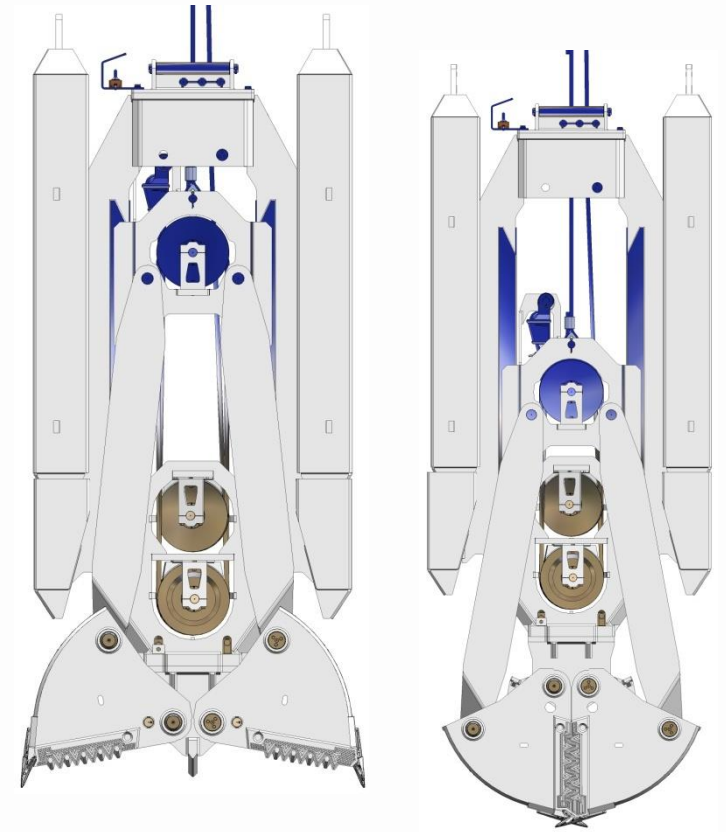
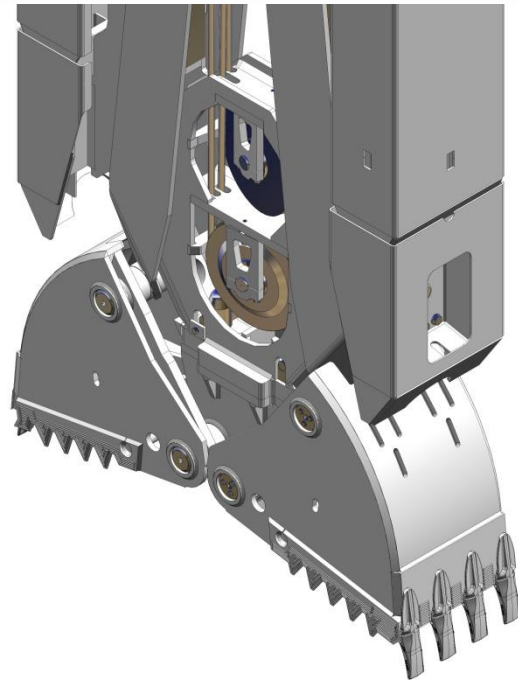
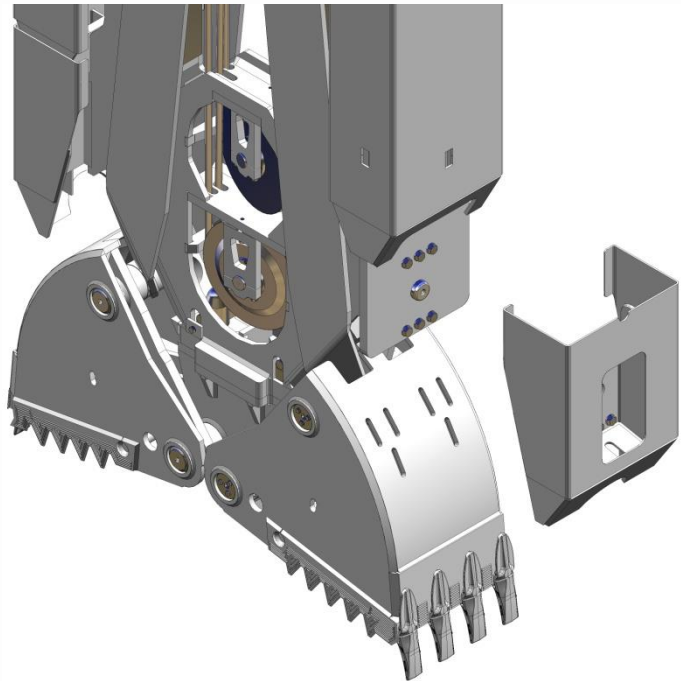


Resting hand

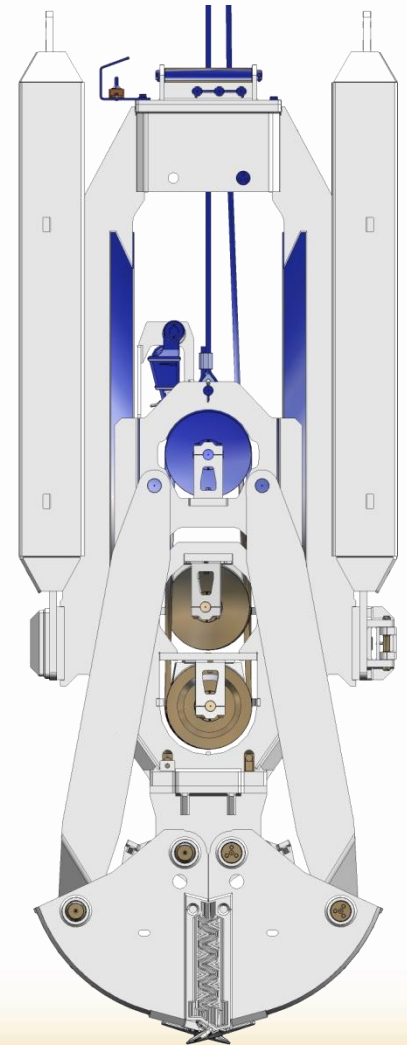
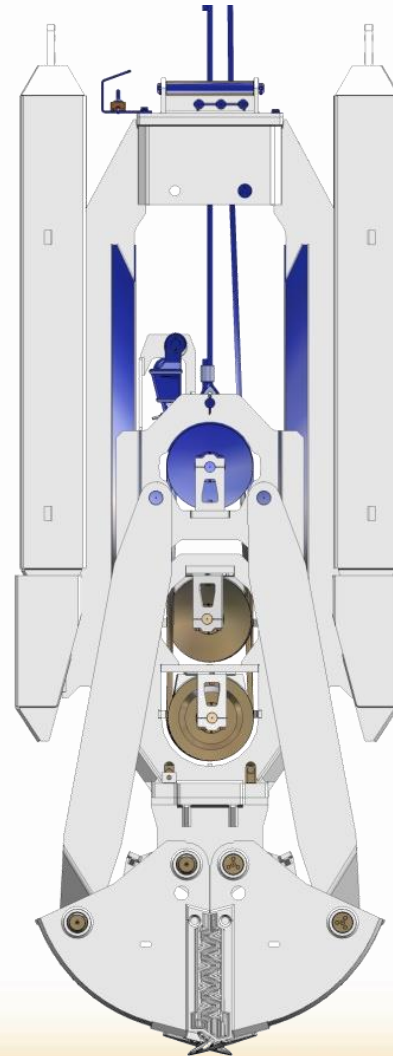
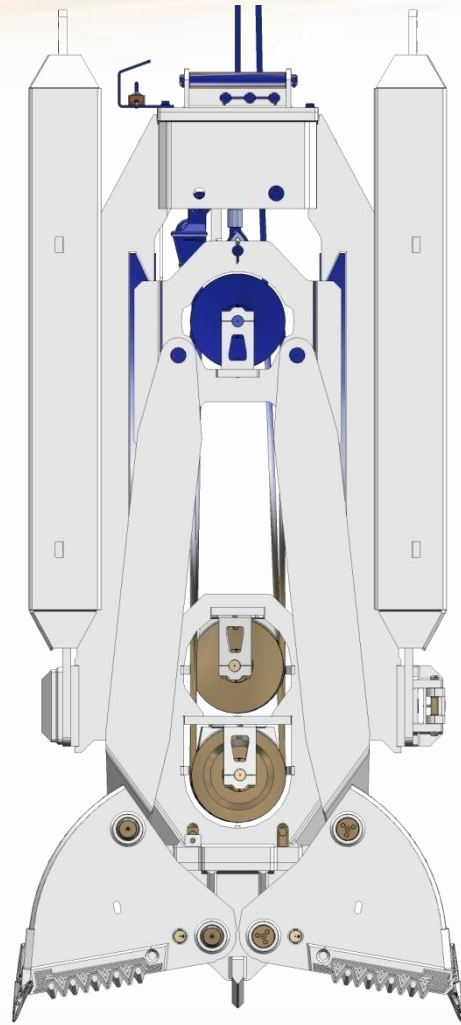
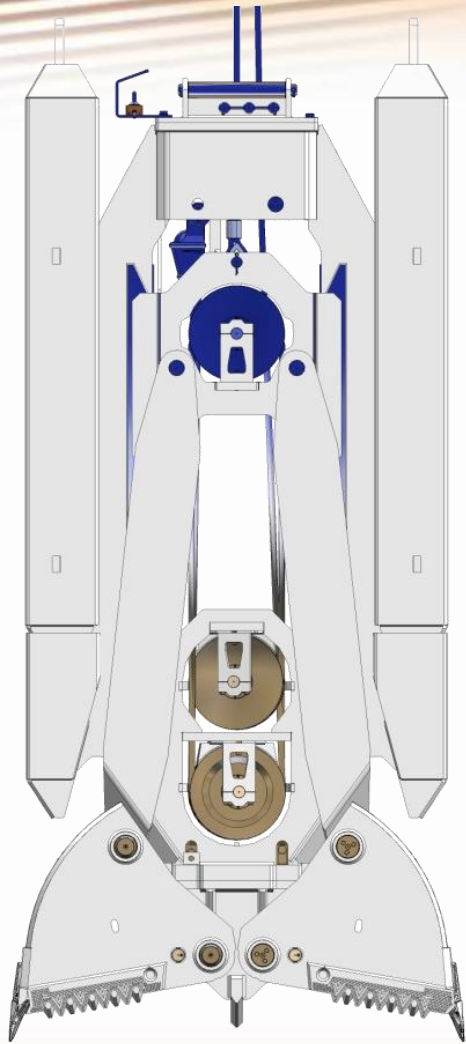


Takes hand

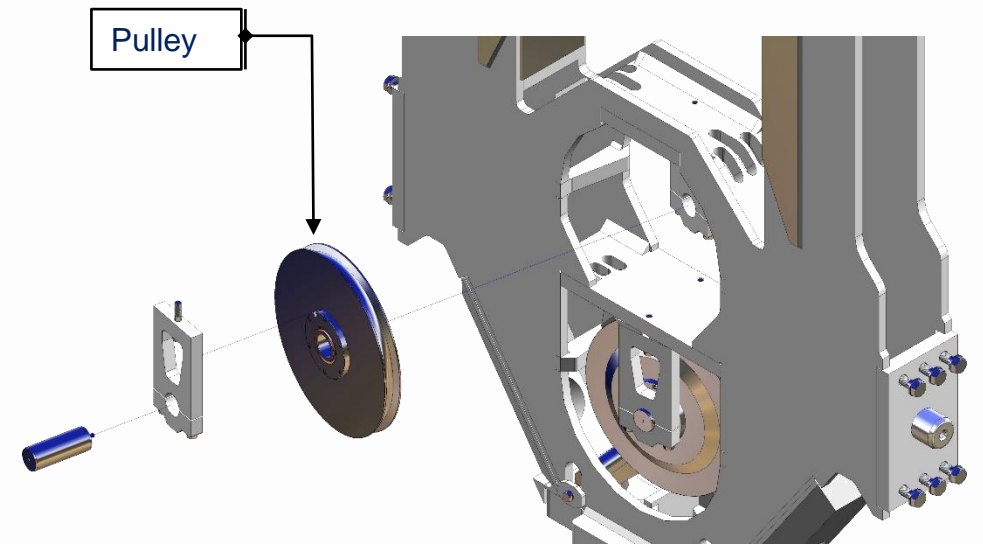
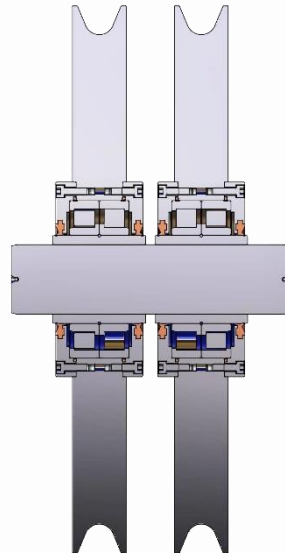
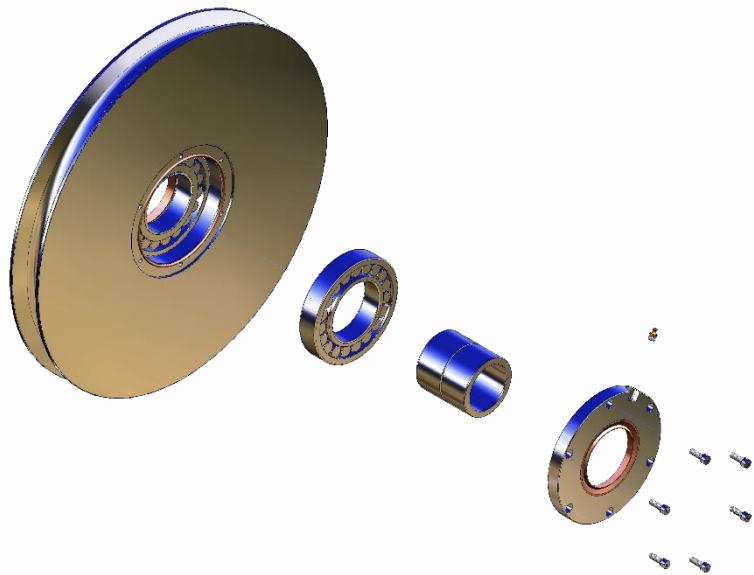
The lower extension allow the bucket to be guided in advance in the diaphragm wall



The extension is fixed on the original guide



The pulleys with bearings covered by grease and special seals are independent from pin, easy to maintain, it resist in large depths immersed in mud and it can be replaced easily

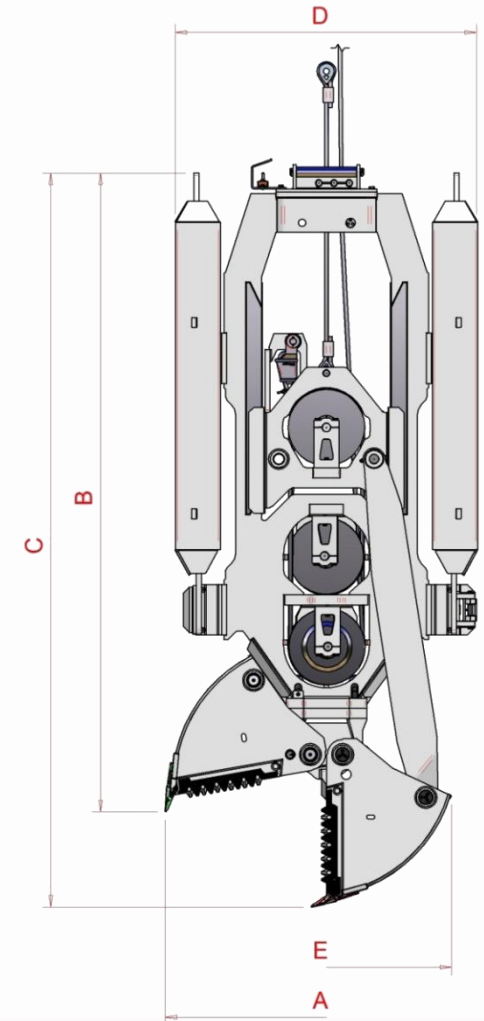


Dragon Red 25.50.08 HD

Apertura valve	Jaw opening	A	mm	2500
Altezza a valve aperte	Height with open jaws	B	mm	6500
Altezza a valve chiuse	Height with closed jaws	C	mm	7150
Larghezza carenatura	Width of guide	D	mm	2350
Ingombro valve	Jaw closed	E	mm	2110

Larghezza (F)	Widht (F)	mm	480	580	780	980	1180	1380	1580	1780
Capacità	Capacity	m ³	0.46	0.57	0.81	1.04	1.28	1.51	1.75	1.98
Peso benna	Grab weight	Kg	15390	15825	17140	18205	19015	19900	20925	21770
Forza chiusura	Closing force	Ton	/	/	/	/	/	/	/	/

Dati, forma e pesi non sono impegnativi, la ditta costruttrice si riserva di apportare modifiche senza preavviso.
 Data, form and weights are not binding, the constructor reserves him to bring changes without warning.

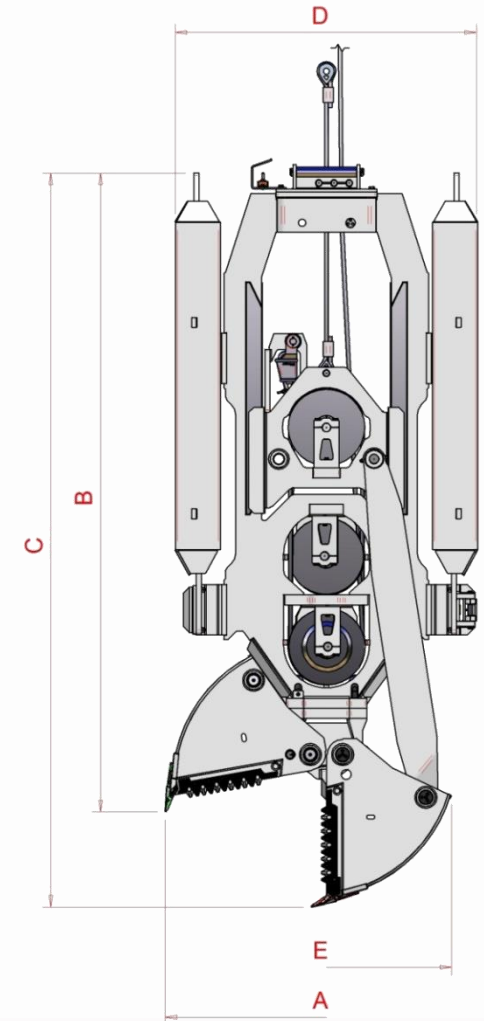


Dragon Red 25.50.08 HD

Apertura valve	Jaw opening	A	mm	2800
Altezza a valve aperte	Height with open jaws	B	mm	6500
Altezza a valve chiuse	Height with closed jaws	C	mm	7300
Larghezza carenatura	Width of guide	D	mm	2590
Ingombro valve	Jaw closed	E	mm	2400

Larghezza (F)	Widht (F)	mm	480	580	780	980	1180	1380	1580	1780
Capacità	Capacity	m ³	0.62	0.78	1.1	1.42	1.74	2.05	2.37	2.69
Peso benna	Grab weight	Kg	16035	16485	17935	19050	19595	20900	22055	22980
Forza chiusura	Closing force	Ton	/	/	/	/	/	/	/	/

Dati, forma e pesi non sono impegnativi, la ditta costruttrice si riserva di apportare modifiche senza preavviso.
 Data, form and weights are not binding, the constructor reserves him to bring changes without warning.

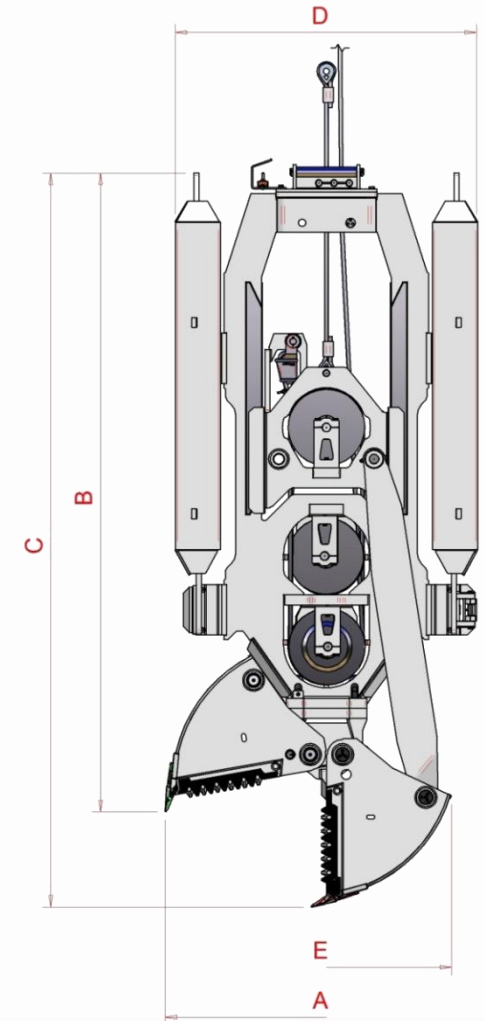


Dragon Red 25.50.08 HD

Apertura valve	Jaw opening	A	mm	3000
Altezza a valve aperte	Height with open jaws	B	mm	6550
Altezza a valve chiuse	Height with closed jaws	C	mm	7400
Larghezza carenatura	Width of guide	D	mm	2850
Ingombro valve	Jaw closed	E	mm	2500

Larghezza (F)	Widht (F)	mm	480	580	780	980	1180	1380	1580	1780
Capacità	Capacity	m ³	0.72	0.91	1.28	1.64	2.01	2.38	2.75	3.12
Peso benna	Grab weight	Kg	16405	16805	18205	19305	20105	21035	22055	22970
Forza chiusura	Closing force	Ton (300 bar)	/	/	/	/	/	/	/	/

Dati, forma e pesi non sono impegnativi, la ditta costruttrice si riserva di apportare modifiche senza preavviso.
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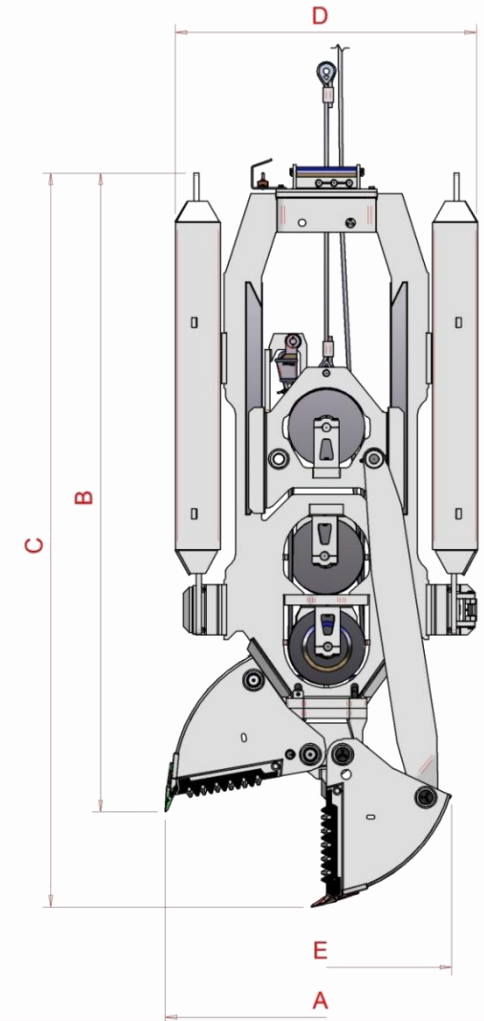


Dragon Red 25.50.08 HD

Apertura valve	Jaw opening	A	mm	3200
Altezza a valve aperte	Height with open jaws	B	mm	6550
Altezza a valve chiuse	Height with closed jaws	C	mm	7500
Larghezza carenatura	Width of guide	D	mm	3000
Ingombro valve	Jaw closed	E	mm	2500

Larghezza (F)	Widht (F)	mm	480	580	780	980	1180	1380	1580	1780
Capacità	Capacity	m ³	0.79	0.99	1.39	1.8	2.2	2.6	3.01	3.41
Peso benna	Grab weight	Kg	16785	17240	18710	19850	20410	21715	22850	23730
Forza chiusura	Closing force	Ton	/	/	/	/	/	/	/	/

Dati, forma e pesi non sono impegnativi, la ditta costruttrice si riserva di apportare modifiche senza preavviso.
 Data, form and weights are not binding, the constructor reserves him to bring changes without warning.

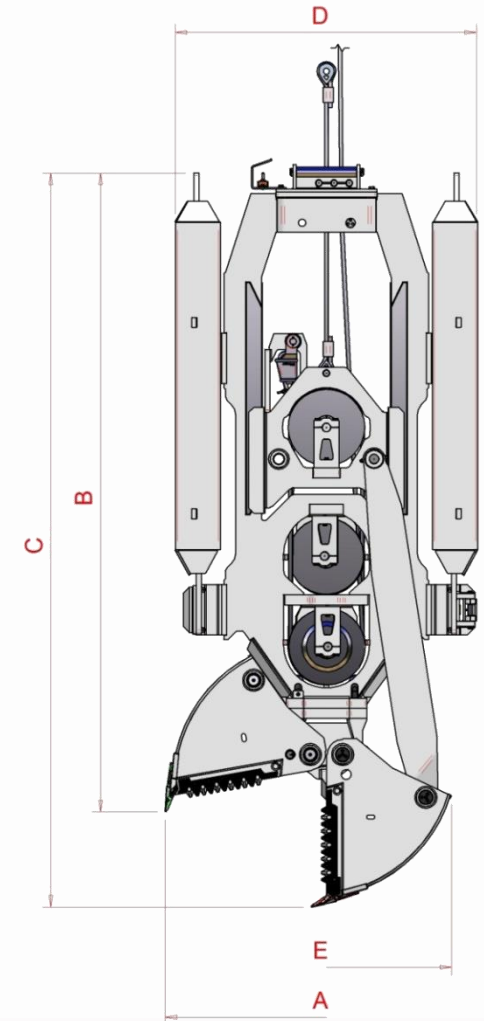


Dragon Red 25.50.08 HD

Apertura valve	Jaw opening	A	mm	3400
Altezza a valve aperte	Height with open jaws	B	mm	6850
Altezza a valve chiuse	Height with closed jaws	C	mm	7500
Larghezza carenatura	Width of guide	D	mm	/
Ingombro valve	Jaw closed	E	mm	/

Larghezza (F)	Widht (F)	mm	480	580	780	980	1180	1380	1580	1780
Capacità	Capacity	m ³	0.93	1.16	1.64	2.12	2.59	3.07	3.54	4.02
Peso benna	Grab weight	Kg	17180	17660	19230	20380	20950	22285	23460	24400
Forza chiusura	Closing force	Ton (300 bar)	/	/	/	/	/	/	/	/

Dati, forma e pesi non sono impegnativi, la ditta costruttrice si riserva di apportare modifiche senza preavviso.
 Data, form and weights are not binding, the constructor reserves him to bring changes without warning.

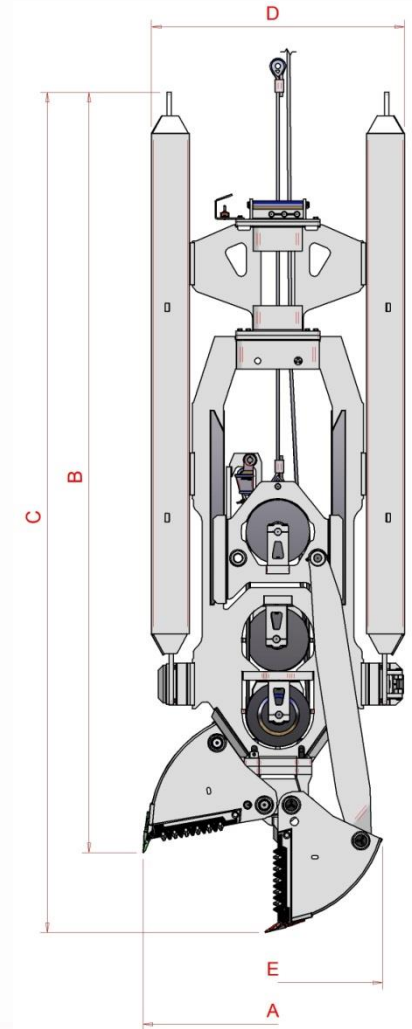


Dragon Red 25.50.08 HD

Apertura valve	Jaw opening	A	mm	2500
Altezza a valve aperte	Height with open jaws	B	mm	9200
Altezza a valve chiuse	Height with closed jaws	C	mm	9850
Larghezza carenatura	Width of guide	D	mm	2350
Ingombro valve	Jaw closed	E	mm	2110

Larghezza (F)	Widht (F)	mm	480	580	780	980	1180	1380	1580	1780
Capacità	Capacity	m ³	0.46	0.57	0.81	1.04	1.28	1.51	1.75	1.98
Peso benna	Grab weight	Kg	17810	18345	19945	21175	22145	23200	24385	25400
Forza chiusura	Closing force	Ton	/	/	/	/	/	/	/	/

Dati, forma e pesi non sono impegnativi, la ditta costruttrice si riserva di apportare modifiche senza preavviso.
 Data, form and weights are not binding, the constructor reserves him to bring changes without warning.

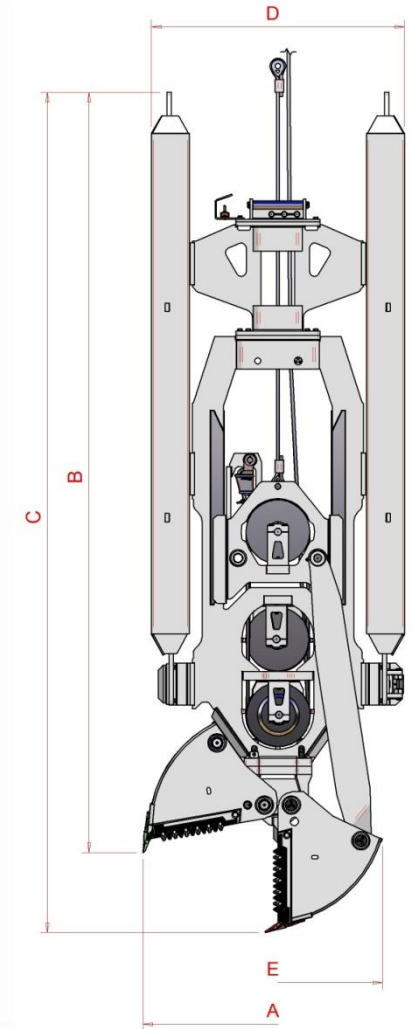


Dragon Red 25.50.08 HD

Apertura valve	Jaw opening	A	mm	2800
Altezza a valve aperte	Height with open jaws	B	mm	9200
Altezza a valve chiuse	Height with closed jaws	C	mm	10000
Larghezza carenatura	Width of guide	D	mm	2590
Ingombro valve	Jaw closed	E	mm	2400

Larghezza (F)	Widht (F)	mm	480	580	780	980	1180	1380	1580	1780
Capacità	Capacity	m ³	0.62	0.78	1.1	1.42	1.74	2.05	2.37	2.69
Peso benna	Grab weight	Kg	18685	19140	20925	22190	23245	24370	25675	26860
Forza chiusura	Closing force	Ton	/	/	/	/	/	/	/	/

Dati, forma e pesi non sono impegnativi, la ditta costruttrice si riserva di apportare modifiche senza preavviso.
 Data, form and weights are not binding, the constructor reserves him to bring changes without warning.

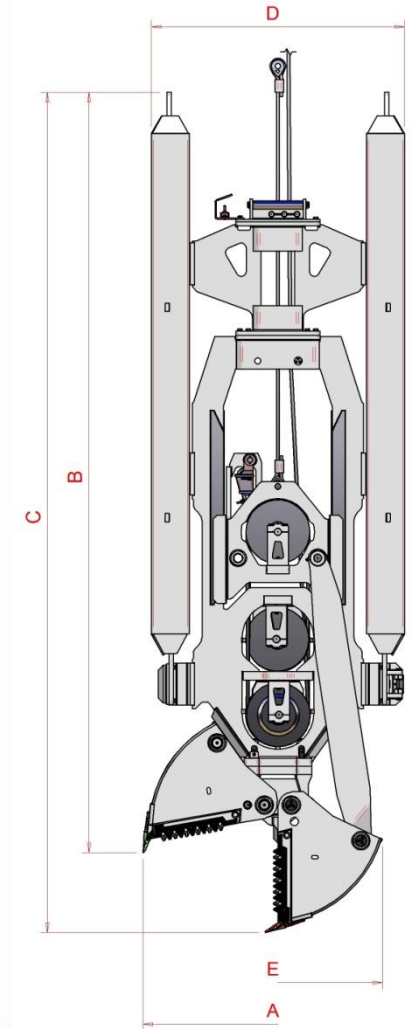


Dragon Red 25.50.08 HD

Apertura valve	Jaw opening	A	mm	3000
Altezza a valve aperte	Height with open jaws	B	mm	9200
Altezza a valve chiuse	Height with closed jaws	C	mm	10000
Larghezza carenatura	Width of guide	D	mm	2850
Ingombro valve	Jaw closed	E	mm	2500

Larghezza (F)	Widht (F)	mm	480	580	780	980	1180	1380	1580	1780
Capacità	Capacity	m ³	0.72	0.91	1.28	1.64	2.01	2.38	2.75	3.12
Peso benna	Grab weight	Kg	19075	19575	21260	22525	23485	24585	25765	26850
Forza chiusura	Closing force	Ton	/	/	/	/	/	/	/	/

Dati, forma e pesi non sono impegnativi, la ditta costruttrice si riserva di apportare modifiche senza preavviso.
 Data, form and weights are not binding, the constructor reserves him to bring changes without warning.

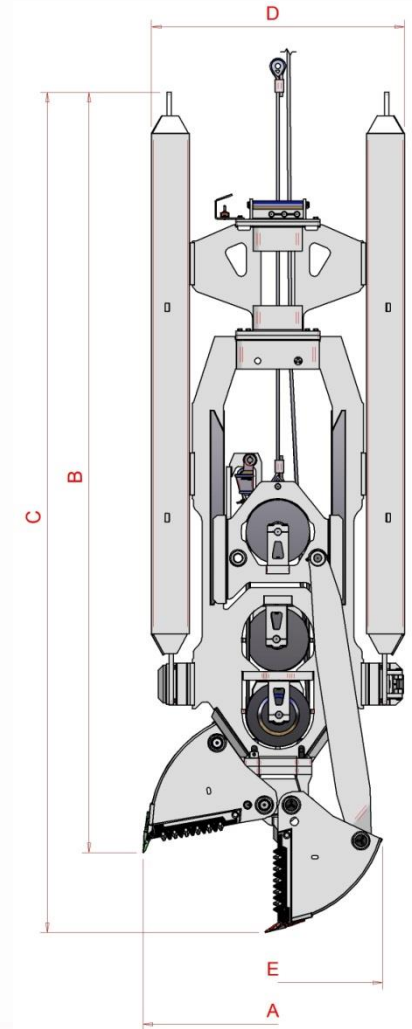


Dragon Red 25.50.08 HD

Apertura valve	Jaw opening	A	mm	3200
Altezza a valve aperte	Height with open jaws	B	mm	9250
Altezza a valve chiuse	Height with closed jaws	C	mm	10200
Larghezza carenatura	Width of guide	D	mm	3000
Ingombro valve	Jaw closed	E	mm	2500

Larghezza (F)	Widht (F)	mm	480	580	780	980	1180	1380	1580	1780
Capacità	Capacity	m ³	0.79	0.99	1.39	1.8	2.2	2.6	3.01	3.41
Peso benna	Grab weight	Kg	19655	20115	21920	23210	24280	25405	26690	27830
Forza chiusura	Closing force	Ton	/	/	/	/	/	/	/	/

Dati, forma e pesi non sono impegnativi, la ditta costruttrice si riserva di apportare modifiche senza preavviso.
 Data, form and weights are not binding, the constructor reserves him to bring changes without warning.

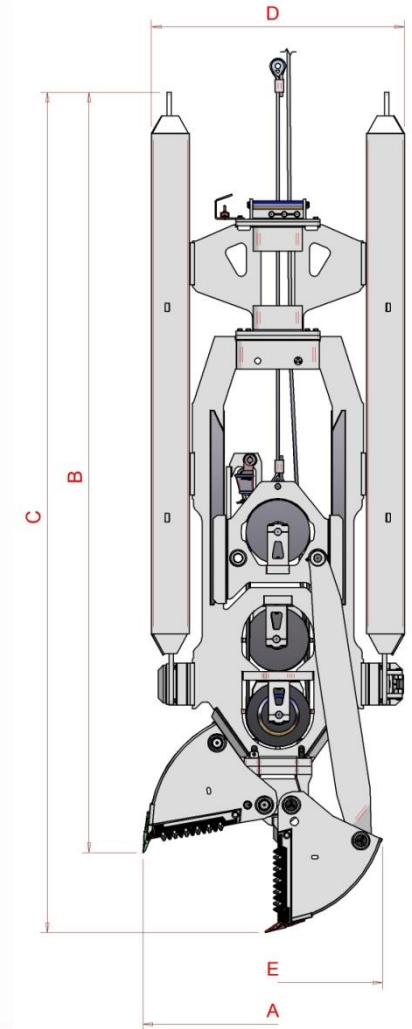


Dragon Red 25.50.08 HD

Apertura valve	Jaw opening	A	mm	3400
Altezza a valve aperte	Height with open jaws	B	mm	9300
Altezza a valve chiuse	Height with closed jaws	C	mm	1050
Larghezza carenatura	Width of guide	D	mm	/
Ingombro valve	Jaw closed	E	mm	/

Larghezza (F)	Widht (F)	mm	480	580	780	980	1180	1380	1580	1780
Capacità	Capacity	m ³	0.93	1.16	1.64	2.12	2.59	3.07	3.54	4.02
Peso benna	Grab weight	Kg	20100	20585	22490	23790	24870	26025	27350	28550
Forza chiusura	Closing force	Ton	/	/	/	/	/	/	/	/

Dati, forma e pesi non sono impegnativi, la ditta costruttrice si riserva di apportare modifiche senza preavviso.
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NEGRINI
since 1967 S.R.L.



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STANDARD OF MANUFACTURED					
CILINDRI / PISTONI / MARTINETTI		mat. Shirt Fe 510 internally turned and lapped mat. Stem 39Ni Crs Mo3 chromed to thickness and corrected Gaskets of the Type POLYPAC			
HOSES		SAE 100 R9 CERTEX			
CARRYING STRUCTURE		mat. Fe 510 construction in electric-welded carpentry and opportunely strengthened in the points of max. solicitation			
WELDING		Performed with continuous thread gives 1,2 protected with gas Argon.8 System approved by R.I.N.A. PRINCIPAL CHARACTERISTICS: - Tensile R = 520 N/mm ² s - Yeld point Rs = 348 N/mms - extension \dot{A} . = 38%			
GALVANIZATION		70 microns Inorganic			
FINISH		Orange tree ral to total coverage 120-150 microns c.a.			
Item	Material	M.B.L. N/mm	Yeld Point N/mm	hardness Brinnell HB Rockwel HRC	Heat treatment
Standard Carpentry	S355 JO S355 J2G3 FE.510	510	355	//	//
Special Carpentry	WELDOX.700	780 - 930	700	260	//
Parts subject usury (Blade, teeth, ecc.)	HARDOX.400 HARDOX .500 SIMILARE	1250 1550	1000 1300	360 – 440 450 – 560	//
Pin	39Ni Cr Mo3 Quenched and tempered	1000 – 1150	850	54	It tempers induction
Pistons Stems	39Ni Cr Mo3	1000 - 1150	850	54	It tempers induction chrome thickness Rectification
Pistons Shirts	S355 JO	510	355	//	Rectification / lapping inside

**DICHIARAZIONE DI CONFORMITA'
DECLARATION OF CONFORMITY
KONFORMITÄTSEKTLÄRUNG****DECLARATION DE CONFORMITE
DECLARACIÓN DE CONFORMIDAD**

E' costruita conformemente ai requisiti essenziali di sicurezza stabiliti dalla direttiva 2006/42/CE e successivi emendamenti. -
Entsprechend der grundlegenden Sicherheitsanforderungen laut EG-Richtlinie 2006/42/CE und folgenden Änderungen konstruiert wurde. -
Has been constructed in conformity with the basic safety requirements set down in EC Directive 2006/42/CE and subsequent amendments.
- - Est construit conformément aux conditions de sécurité essentielles établies par la directive 2006/42/CE CE et les amendements
successifs. - Está construido de acuerdo a los requisitos esenciales de seguridad establecidos por la directiva 2006/42/CE CE y sucesivas
enmiendas.

Per la verifica delle conformità di cui alle direttive sopra indicate, è stata consultata la seguente norma europea EN 292 parte 1 e parte 2. -
Zur Überprüfung der Konformität gemäß oben genannter Richtlinien wurde die folgende europäische Richtlinie EN 292 Teil 1 und Teil 2 zu
Rate gezogen. - In order to check conformity as per the Directive cited above, reference was made to European Norm EN 292 parts 1 and
2. - Pour la vérification des conformités dont à la directive ci-dessus mentionnée, la Norme Européenne EN 292 partie 1 et partie 2 a été
consultée. - Para el control de la conformidad con las directivas indicadas anteriormente, ha sido consultada la siguiente norma europea
EN 292 parte 1 y parte 2.

Si dichiara in oltre di avere apposto la marcatura CE e di aver corredato l'attrezzatura di manuale d'uso e manutenzione. - Zudem wird
erklärt, dass die CE-Kennzeichnung angebracht und das Gerät mit einer Gebrauchs-und Wartungsanleitung ausgestattet wurde. - It is
further declared that the EC mark has been attached to the equipment and a manual of use and maintenance has been provided for the
same. - Nous déclarons aussi avoir apposé le marquage CE et avoir muni l'équipement du manuel d'utilisation et d'entretien. - Se declara
además que se ha fijado la marca CE y que se ha acompañado el equipo con el manual de uso y mantenimiento.

GARANZIA: la nostra Società non si assume, salvo eventuali pattuizioni, alcuna responsabilità circa le applicazioni e comunque, operazioni a cui verrà sottoposto il materiale fornito, presso il compratore o chi per esso.

La garanzia ha durata di 12 mesi dalla data di consegna. La nostra Società si impegna a sostituire gratuitamente, franco nostro stabilimento, qualsiasi materiale ritornatoci per difetti di qualità e/o di fabbricazione.

Restano escluse dalla garanzia le parti soggette ad usura.

GUARANTEE: our company does not accept any responsibility, except in cases of agreement, regarding the applications or operations to which the materials supplied by us are subject by the buyer or on his behalf.

The guarantee is valid for 12 months from the time of delivery. Our company undertakes to replace free, ex works at our address, any materials returned to us for defects in quality or manufacturing.

Parts subject to wear and tear are excluded from the guarantee.

The guarantee does not apply if the parts in question have been tampered with in any way.

GARANTIE: Unser Unternehmen übernimmt, falls nicht anders vereinbart, keinerlei Haftung für die Anwendung und für Arbeiten, denen das gelieferte Material beim Käufer oder andernorts unterzogen wird.

Die Garantie gilt für 12 Monate ab Lieferdatum. Unser Unternehmen verpflichtet sich, kostenlos, frei ab Werk, an uns zurückgesandtes Material zu ersetzen, das Qualitätsmängel und/oder Fabrikationsfehler aufweist. Von der Garantie ausgeschlossen bleiben die Verschleiß unterliegenden Teile. Die Garantie ist ungültig, wenn mit den beanstandeten Teilen, in welcher Weise auch immer, unsachgemäß umgegangen wurde.

GARANTIE: ons bedrijf neemt, tenzij anders overeengekomen is, geen enkele verantwoordelijkheid op zich betreffende de toepassingen en, in ieder geval, handelingen waaraan het geleverde materiaal blootgesteld zal worden, bij de koper of degene die namens de koper handelt. De garantie is 12 maanden geldig vanaf de leveringsdatum. Ons bedrijf zal gratis het materiaal vervangen dat fabrieks- of kwaliteitsfouten heeft. Franco onze fabriek. Deze garantie is niet geldig voor onderdelen die aan slijtage onderhevig zijn.

ESCLUSIONI:

Sono esclusi dalla garanzia i guasti dovuti a:

- 1 utilizzi non previsti dal fabbricante;
- 2 non osservanza di quanto indicato nel presente manuale;
- 3 collegamento ad impianti tecnici non conformi con la normativa tecnica e legislativa vigente;
- 4 scarsa preparazione tecnica del personale (trascuratezza, negligenza, falsa manovra);
- 5 utilizzo di ricambi, lubrificanti o altri prodotti non consigliati dal Costruttore o non specificatamente menzionati nel presente manuale;
- 6 parti soggette ad usura
- 7 normale usura e deterioramento dovuti all'uso della macchina.

Sarà cura della **NEGRINI s.r.l.** accertare le buone ragioni del Cliente e sostituire le parti riconosciute difettose.

EXCLUSIONS:

Faults due to the following are excluded from the guarantee:

- 1 uses not foreseen by the manufacturer;
- 2 failure to respect what is indicated in this manual;
- 3 connection to technical systems not in compliance with technical regulations and legislations in force;
- 4 poor technical training of personnel (carelessness, negligence, false movement);
- 5 use of spare parts, lubricants or other products not recommended by the Manufacturer or not specifically mentioned in this manual;
- 6 parts subject to wear and tear;
- 7 normal wear and deterioration due to the use of the machine.

NEGRINI s.r.l. shall assess the information provided by the Customer and shall replace the parts it recognises as faulty.