

HIAB ACCESSORIES

LOADER CRANES







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CARE FOR EVERY DETAIL

Accessories

From buckets and brick clamps to innovative weighing systems, we provide a wide range of accessories for Hiab products. Accessories can extend the versatility of your equipment and enhance its flexibility and earning potential.

Guaranteed performance

The range of Hiab accessories are manufactured to the highest quality to enhance functionality and performance. They transform the extensive range of Hiab products into highly effective and flexible tools, capable of performing diverse applications in a broad range of market sectors.



HIAB ROTATORS 3-6 TONNES



ENSURING **PREDICTABLE** ROTATION

Giving it rotation

The rotator is an important, often overlooked, workhorse in load-handling solutions. A reliable, precise and sturdy rotator is a must when handling loads, especially heavy or bulky ones – with great precision. A wide range of rotators is available, to ensure there is always one appropriate for your needs. Turning motion comes via a gear-type or vane-type

rotator. The gear-type enables a somewhat higher degree of precision in its movements. As well as different drive types you can choose between a shaft- or flange attachment, the latter giving the most firm and direct connection to an accessory.

HIAB ROTATORS

Technical data	IVR 3 FS	IVR 3	KM03	GV 3
Part no.*	3382257	3382249	-	-
Part no.**	3393372	3393381	3395014	3399613
Max. load (kg)	3000	3000	3000	3000
Torque (Nm @ MPa)	700 @ 20	700 @ 20	450 @ 32	950 @ 30
Drive type	Vane	Vane	Gear	Vane
Attachment type	Flange	Shaft	Shaft	Shaft
Attachment (mm), B	140	Ø 49.5	Ø 49.5	Ø 49.5
Max. oil pressure (MPa)	25	25	32	30
Rec. oil flow (l/min)	20	20	25	10
Hose guard	Yes	Yes	No	Yes
Built-in load holding valve	No	No	No	No
Built-in pressure relief valve	No	No	Yes	No
Width - incl. hose guard (mm), C	210	210	-	233
Height (mm), D1	239	257	229	243
Height package (mm), D2*	378	396	378	353
Rotator (mm), E1	Ø 158	Ø 158	Ø 173	Ø 162
Length - incl. hose guard (mm), E2	234	234	-	233
Weight package (kg)*	26.5	21.5	29	23

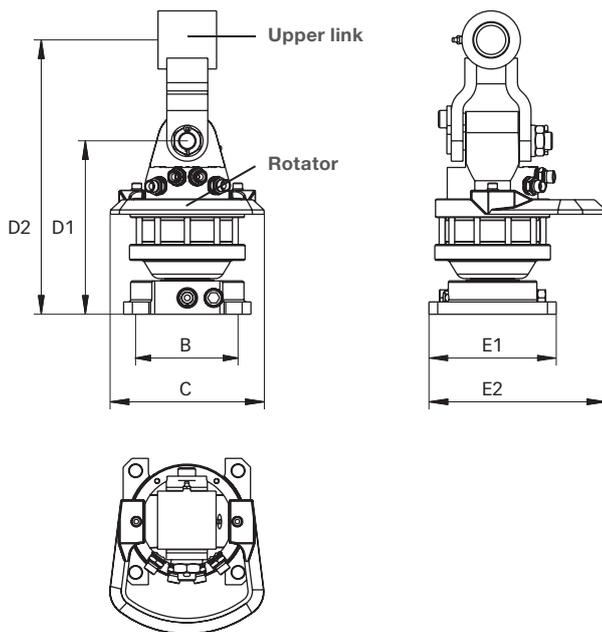
* Package consists of: Short upper link 45/80, rotator

** Package consists of: Short upper link 25/40, rotator

- Connections in: Male JIC 37 3/4-16 UNF (4x)

- Connections out: Female ISO-G 3/8" (2x)

Technical drawing



IVR 3 FS

HIAB ROTATORS

Technical data	KM 04 F	KM 04 F140-30US	KM 04 F140-30V	IVR 4 FS	GV 4 K
Part no.*	3380033	3380327	3383539	3382265	220501
Part no.**	3382320	3382338	3383547	-	-
Max. load (kg)	4500	4500	4500	4500	4500
Torque (Nm @ MPa)	850 @ 32	1000 @ 32	850 @ 32	1000 @ 20	1150 @ 25
Drive type	Gear	Gear	Gear	Vane	Vane
Attachment type	Flange	Flange	Flange	Flange	Flange
Attachment (mm), B	140	140	140	140	140
Max. oil pressure (MPa)	32	32	32	25	25
Rec. oil flow (l/min)	25 - 60	25 - 60	25 - 60	20	12
Hose guard	No	No	No	Yes	Yes
Built-in load holding valve	No	No	No	No	No
Built-in pressure relief valve	Yes	Yes	Yes	No	No
Width - incl. hose guard (mm), C	218	237	218	210	212
Height (mm), D1	220	232	220	261	263
Height package (mm), D2*	370	382	370	400	373
Height package (kg), D2**	460	472	460	-	-
Rotator (mm), E1	Ø 173	Ø 178	Ø 173	Ø 172	Ø 190
Length - incl. hose guard (mm), E2	251	285	251	241	-
Weight package (kg)*	36	41	36	33	40
Weight package (kg)**	38	43	38	-	-

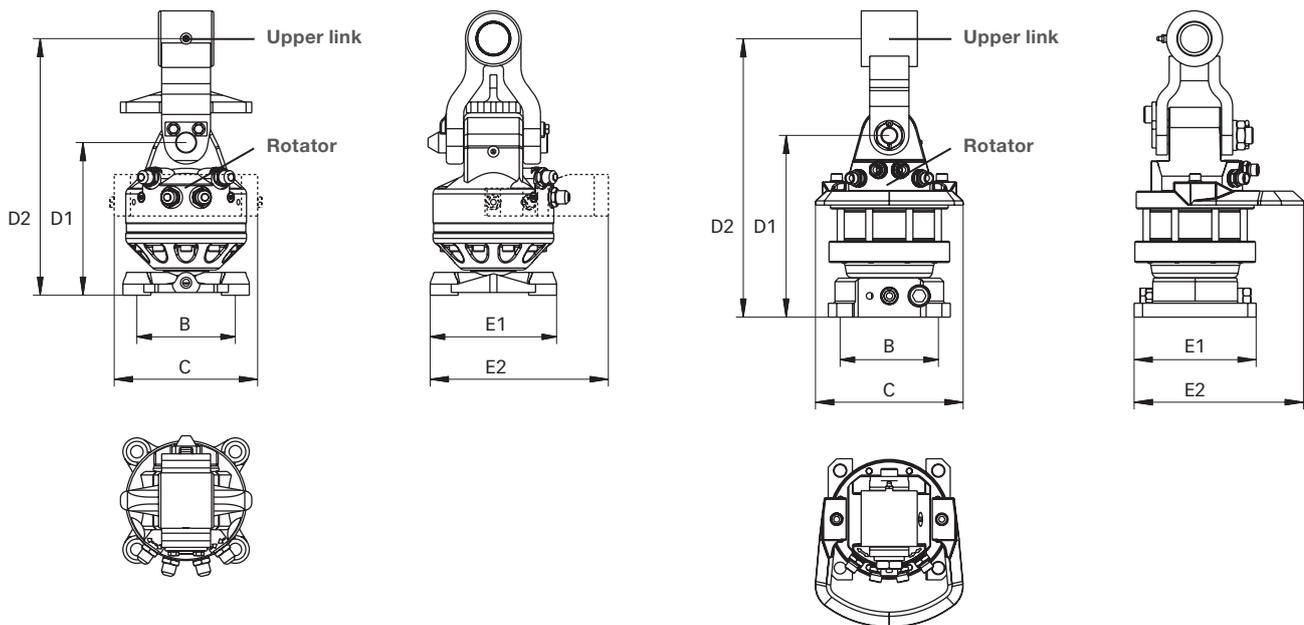
* Package consists of: Short upper link, rotator.

** Package consists of: Long upper link, rotator.

- Connections in: Male JIC 37 3/4-16 UNF (4x)

- Connections out: **KM 04 F**, **KM 04 F140-30US**, **KM 04 F140-30V** Female M18x1.5 (2x); **IVR 4 FS** Female ISO-G 3/8" (2x)

Technical drawing



KM 04 F

IVR 4 FS

HIAB ROTATORS

Technical data	KM 04 S59	KM 04 S62	KM 04 S68	KM 04 S69	IVR 4.69	GV 4 59/30
Part no.*	3397271	3399621	3380041	3380602	3380017	3399630
Part no.**	-	-	382346	382354	-	-
Max. load (kg)	4500	4500	4500	4500	4500	4500
Torque (Nm @ MPa)	850 @ 32	850 @ 32	850 @ 32	850 @ 32	1000 @ 20	1150 @ 25
Drive type	Gear	Gear	Gear	Gear	Vane	Vane
Attachment type	Shaft	Shaft	Shaft	Shaft	Shaft	Shaft
Attachment (mm), B	Ø 59	Ø 62	Ø 68	Ø 69	Ø 69	Ø 59
Angle ports / locking pin	90°	90°	90°	0°	0°	90°
Max. oil pressure (MPa)	32	32	32	32	25	25
Rec. oil flow (l/min)	25 - 60	25 - 60	25 - 60	25 - 60	20	12
Hose guard	No	No	No	No	Yes	Yes
Built-in load holding valve	No	No	No	No	No	No
Built-in pressure relief valve	Yes	Yes	Yes	Yes	No	No
Width - incl. hose guard (mm), C	218	218	218	218	210	212
Height (mm), D1	242	242	242	257	261	269
Height package (mm), D2*	392	392	392	407	418	379
Height package (kg), D2**	482	482	482	497	-	-
Rotator (mm), E1	Ø 173	Ø 173	Ø 173	Ø 173	Ø 172	Ø 190
Length - incl. hose guard (mm), E2	251	251	251	251	241	-
Weight package (kg)*	36	36	36	36	29	32
Weight package (kg)**	38	38	38	38	-	-

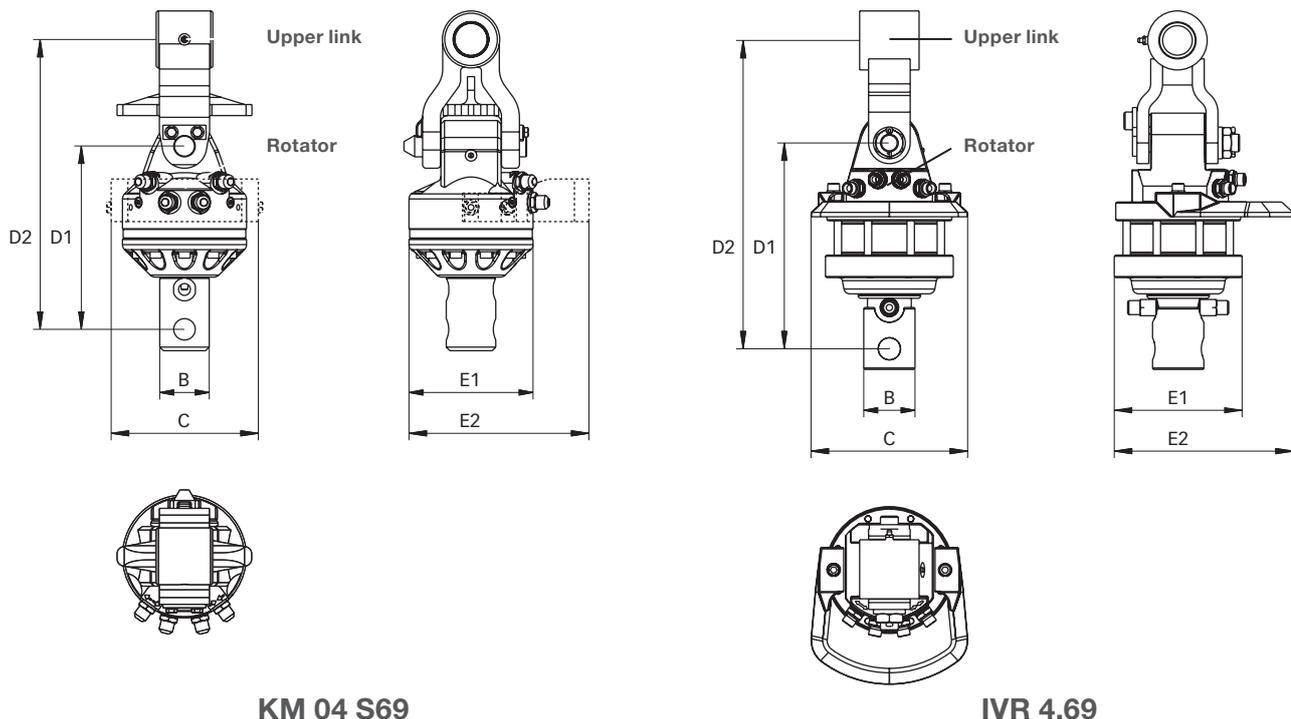
* Package consists of: Short upper link, rotator.

** Package consists of: Long upper link, rotator.

- Connections in: Male JIC 37 3/4-16 UNF (4x)

- Connections out: **KM 04 S68, KM 04 S69** Female M18x1.5 (2x); **IVR 4.69** Female ISO-G 3/8" (2x)

Technical drawing



HIAB ROTATORS

Technical data	KM 06 F	RX 55 F	RX 55.68	RX 55.69	RX 60.69	GV 6 K
Part no.*	3380629	3382273	3380009	3380661	3380025	9847596
Part no.**	3382281	-	-	-	-	-
Max. load (kg)	6000	5500	5500	5500	6000	6000
Torque (Nm @ MPa)	1000 @ 32	1100 @ 20	1100 @ 20	1100 @ 20	1500 @ 20	1400 @ 20
Drive type	Gear	Vane	Vane	Vane	Vane	Vane
Attachment type	Flange	Flange	Shaft	Shaft	Shaft	Flange
Attachment (mm), B	140	140	Ø 68	Ø 69	Ø 69	Ø 173
Max. oil pressure (MPa)	32	25	0°	0°	0°	30
Rec. oil flow (l/min)	25 - 80	20	25	25	25	25
Hose guard	No	Yes	20	20	25	Yes
Built-in load holding valve	No	No	Yes	Yes	Yes	No
Built-in pressure relief valve	Yes	No	No	No	No	No
Width - incl. hose guard (mm), C	237	210	No	No	No	-
Height (mm), D1	252	280	210	210	260	300
Height package (mm), D2*	437	413	280	280	304	410
Height package (kg), D2**	512	-	425	425	494	-
Rotator (mm), E1	Ø 180	Ø 172	Ø 172	Ø 172	Ø 200	Ø 209
Length - incl. hose guard (mm), E2	285	241	241	241	322	-
Weight package (kg)*	49	37	32.5	32.5	52	51
Weight package (kg)**	51	-	-	-	-	-

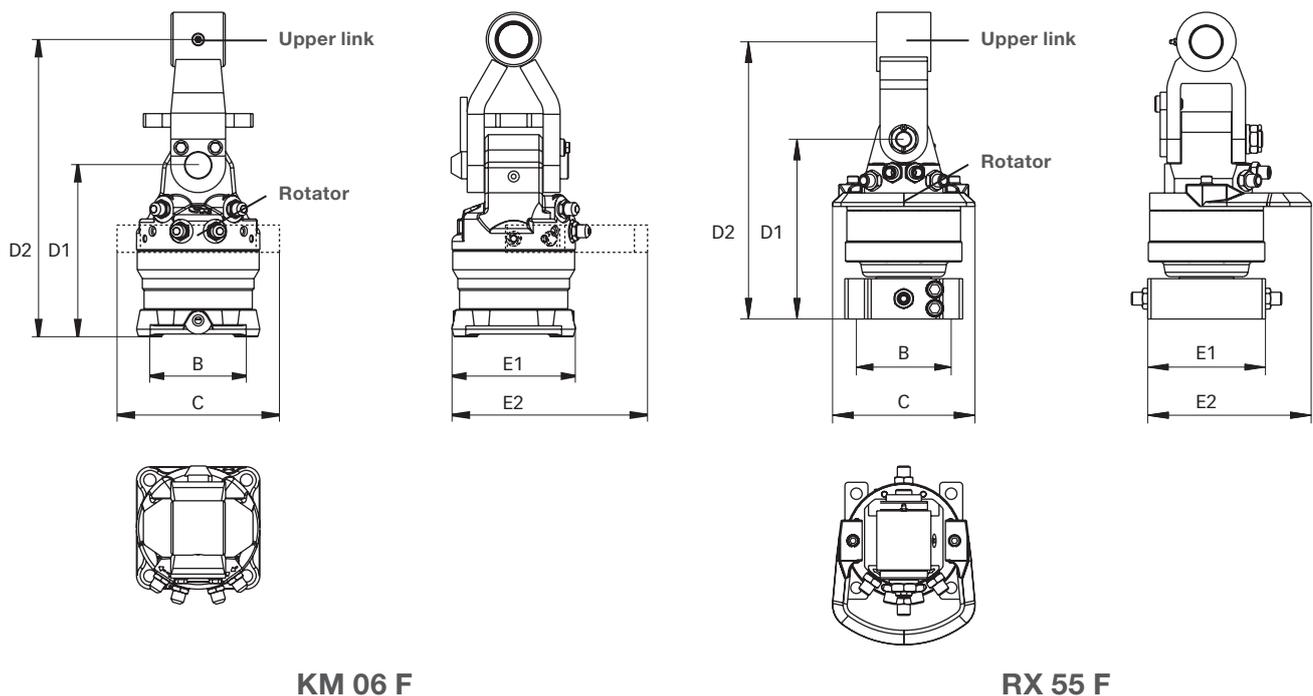
* Package consists of: Short upper link, rotator.

** Package consists of: Long upper link, rotator.

- Connections in: Male JIC 37 3/4-16 UNF (4x)

- Connections out: **KM 06 F** Female M18x1.5 (2x); **RX 55 F** Female ISO-G 3/8" (2x)

Technical drawing



HIAB ROTATORS - ACCESSORIES

Accessories	Fits with	Part no.
Rotator hook, 2 tonnes for shaft Ø 49.5 mm	KM 03	987 4399
Rotator hook, 3 tonnes for shaft Ø 49.5 mm	IVR3	987 4321
Rotator hook, 4,5 tonnes for shaft Ø 68 och 69 mm	IVR4, KM 04, KM 04 S68, KM 04 S69	985 4029
Rotator hook, 5 tonnes for shaft Ø 68 och 69 mm	IVR4, KM 04 S69	987 4330
Rotator hook, 8 tonnes for shaft Ø 68 och 69 mm	IVR4, RX55, RX60, KM 04 S69	985 2433
Short upper link, 139 mm	IVR3, IVR4	985 5637
Short upper link, 145 mm	RX55	985 8032
Short upper link, 190 mm	RX60	985 5645
Short upper link, 154 mm	KM 03	987 4119
Short upper link, 150 mm	KM 04	985 4037
Short upper link, 185 mm	KM 06	985 7541
Long upper link, 240 mm	KM 04	985 4045
Long upper link, 260 mm	KM 06	987 4003
Hose guard	KM 03	987 4143
Hose guard	KM 04	987 4151
Hose guard	KM 04 F140-30US, KM 06	987 4160
Hose guard, 225 / 255 mm (width / length incl. rotator)	KM 04 med HIAB ToolXChanger™	339 0691
Reduction link, flange on tool 140 mm to rotator shaft Ø 49.5 mm	IVR3, KM 03	987 4135
Reduction link, flange on tool 140 mm to rotator shaft Ø 68 mm	KM 04 S68	987 4381
Reduction link, flange on tool 140 mm to rotator shaft Ø 68 and 69 mm	IVR4, RX55, RX60, KM 04 S69	987 2531
Hose kit, 670 mm	CR-rotatorer with/without hose guard	338 5477
Hose kit, 670 mm	KM-rotatorer without hose guard	338 5477
Hose kit, 670 mm	KM 03 with hose guard	338 5485
Hose kit, 670 mm	KM 04 with hose guard	338 5493
Hose kit, 670 mm	KM 06 with hose guard	338 5507
Hose kit, 670 mm	RX55 with Hiab weighing link; with/without hose guard	338 5477
Hose kit, 670 mm	KM 04 with Hiab weighing link; with/without hose guard	339 1191
Hose kit, 1000 mm	CR-rotatorer with/without hose guard	339 1205
Hose kit, 1000 mm	KM-rotatorer without hose guard	339 1205
Hose kit, 1000 mm	KM 03 with hose guard	339 1213
Hose kit, 1000 mm	KM 04 with hose guard	339 1221
Hose kit, 1000 mm	KM 06 with hose guard	339 1248
Hose kit, 1000 mm	RX55 with Hiab Weighing links; with/without hose guard	339 1205
Hose kit, 1000 mm	KM 04 with Hiab Weighing links; with/without hose guard	339 1230
Hydraulic quick coupling, 26 MPa mobile	Hiab Accessories	38 6562
Hydraulic quick coupling, 32 MPa mobile	Hiab Accessories	338 6589
Hydraulic quick coupling, to rotator, fixed	KM 04	338 6554
Hydraulic quick coupling, to rotator, fixed kit	KM 04 S68, KM 04 S69	338 6635
Pendulum damper	KM 04, KM 04 F140-30V	339 0632
Pendulum damper	KM 04 F140-30US	339 0641
Pendulum damper	KM 06	339 0659
Quick change system*	KM 04 S68	338 6546
Quick change system*	KM 04 S69	985 4118
Quick coupling, lower part	KM 505	985 4126
Hook for quick coupling, 4 T	KM 505	985 9152

* Package consists of: Fixed part, mobile part, hydraulic quick coupling (to rotator, fixed 2 pcs), hoses to rotator.



HIAB TOOLXCHANGER™



CHANGE TOOLS IN **SECONDS**

The next job is just seconds away

With the Hiab ToolXChanger mounted on your crane you can change tools in just a matter of seconds without modification to your crane or other tools in use! This revolutionary device provides a golden opportunity for your business to become more competitive and versatile without effort. The Hiab ToolXChanger utilises only one rotator, thereby

eliminating the need of one rotator for each tool, lowering the overall cost of your equipment significantly.

The Hiab ToolXChanger is provided with an automatic hose quick attachment, which automatically connects the hoses of the hydraulic attachment. No more handling of greasy hoses or quick release couplings.

HIAB TOOLXCHANGER™

Quick attachment	TX 45M
Package*	3384411
Package**	3384420
Max. lifting capacity (kg)	4500
Max. oil pressure (MPa)	35
Weight package (kg)***	75 / 80

* Package consists of: ToolXChanger™ Quick attachment, KM 04 F, Short upper link.

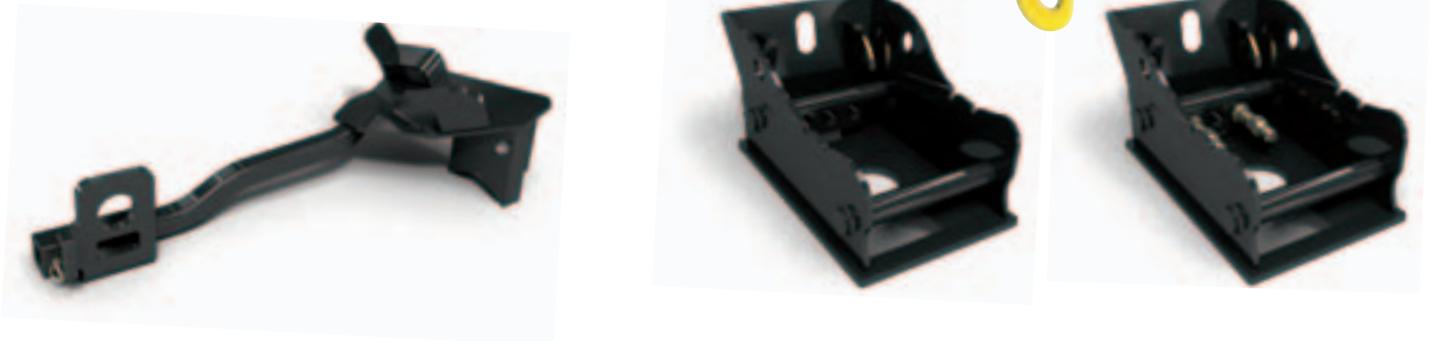
** Package consists of: ToolXChanger™ Quick attachment, KM 04 F140-30US, Short upper link.

	Quick attachment	Mechanical tool attachment	Hydraulic tool attachment	Tool attachment with Hook
Part no.	9867678	9867694	9867686	3382150
Width (mm)	240	300	300	300
Height (mm)	170	250	250	355
Length (mm)	400	480	480	485
Weight (kg)	40	30	31	40
Total height, connected (mm)***		575 / 590	575 / 590	680 / 695

* ToolXChanger™ Quick attachment & Tool attachment, KM 04 F, Short upper link.

** ToolXChanger™ Quick attachment & Tool attachment, KM 04 F140-30US, Short upper link.

Accessory	Part no.
Parking support	9872469



Parking support

The parking support anchors the ToolXChanger to the crane body during unfolding, folding and transport. We highly recommend utilization of the parking support as it saves valuable time – time otherwise spent unmounting the ToolXChanger ever so often. The standard parking support is adapted to Hiab rotators.

Tool attachment

There are three types of “lower part” accessory attachments: one for mechanical accessories, one for hydraulic accessories and one equipped with a hook. You must equip each accessory with a lower part attachment to be able to connect it to the ToolXChanger.

HIAB WEIGHING SYSTEMS



KEEP TRACK OF THE WEIGHT

Way beyond weighing

Hiab offers weighing systems, available in different variants and each of them expandable to match your changing requirements perfectly. Whether you occasionally need a rough weight indication or continuously need accurate weighing data for your business administration, Hiab has

the optimal system solution. All Hiab's weighing systems are wireless, maintenance free and perform accurately even while moving a load. Apart from solutions including the LSH 125 weighing hook, all our weighing solutions comply with existing accuracy norms.





Weighing while moving

The time has past when the load had to hang completely still and precisely vertical. All Hiab's scales are equipped with a motion sensor that provides for accurate weighing during movement. This puts Hiab in a unique market position. But – much more important – it makes every job extremely fast.

Freedom and flexibility

All parts in a Hiab's weighing system communicate wirelessly. The weighing scale sends its information to the smartphone via a WiFi connection. The smartphone can communicate with a computer for data storage. It can also send data to a portable printer via Bluetooth for instant invoicing.

Complete packages save time

As usual for Hiab Accessories, we offer a number of complete packages that consist of carefully selected matching parts. A weighing system package always comes with a weighing scale, two batteries with charger, a smartphone with the weighing software pre-installed. If you have special requirements, for example integration of our software with your existing software, we are happy to assist you.



Portable printer

Thermal printer – links directly via Bluetooth. Ease of carrying facilitates printouts of receipts etc. directly at loading site. The printer comes complete with battery charger and equipment required for installation.

Weighing scale	XW 50	XW 50 SHV	LHS 125 HD	XW 50 BS 80/35	XW 50 BS 100/45	XW 70 BS 80/35	XW 70 BS 100/45
Package WiFi*	3392821	3392805	3394646	3394662	3394727	3394697	3394751
Package PC**	3394638	3394620	-	3394671	3394735	3394701	3394760
For Crane type	Loader Cranes	Loader Cranes	Loader Cranes	Forestry Cranes	Forestry Cranes	Forestry Cranes	Forestry Cranes
Measuring range	100-5000 kg	100-5000 kg	100-12500 kg	100-5000 kg	100-5000 kg	100-7000 kg	100-7000 kg
Weight	23 kg	17 kg	25 kg	35 kg	35 kg	50 kg	50 kg
Height	275 mm	530 mm	530 mm	350 mm	350 mm	370 mm	370 mm
Scale type	Link	Hook	Hook	Link	Link	Link	Link

* Package consists of: Weighing link or hook with 2 batteries, 1 Battery charger, 1 ComBox G5 WiFi, 1 Smartphone with software

** Package consists of: Weighing link or hook with 2 batteries, 1 Battery charger, 1 ComBox PC Interface with software



HIAB MULTICOUPLING



AN **EASY** CONNECTION

Connect multiple hydraulic lines simultaneously

The MultiCoupling package provides a relatively inexpensive solution for connecting hydraulic accessories to the crane. The MultiCoupling package consists of a fixed part (female connection) and a mobile part (male connection). By connecting the fixed part onto the crane's hydraulic circuit, and the mobile part onto the accessories' input hoses, you can connect several hydraulic lines in one, simple, operation. Reference pins ensure perfect line alignment and

an automatic safety lock safeguards against unintentional disconnection. The release handle has a safety lock, a red push button, that can be fitted on either side of the handle. These features make it possible to switch accessories safely, even under full working pressure. All-in-all MultiCoupling provides a clean, relatively inexpensive and easy way of switching accessories.

HIAB MULTICOUPLING

MultiCoupling for	Boom tip to accessory	Boom tip to accessory	Boom tip to jib	Vehicle to crane
Package (part no.)*	987 4445	987 0555	339 0951	987 4470
Mobile part (part no.)	987 4461	987 0571	339 0977	987 4496
Max. oil flow (l/min)	40	70	70	150
Max. oil pressure (MPa)	35	35	35	35
Total number of ports	4	4	8	4
Number of pressure ports	2 (size 3/8")	2 (size 1/2")	4 (size 1/2")	1 (size 1")
Number of return ports	2 (size 3/8")	2 (size 1/2")	4 (size 1/2")	1 (size 1")
Number of drainage/pilot ports	0	0	0	1 (size 1/2")
Number of electric ports	0	0	0	1 (7 poles, max. 13A)

* Package consists of: Fixed part, Mobile part.

	Multi-X 10	Multi-X 12,5
Quick coupling complete*	339-4786	339-4816
Male plate**	339-4808	339-4832
Mounting bracket	339-4981	339-4999

*Package including male and female plate, mounting bracket and dust covers.

** Dust cap is included.

Technical data	
Max. working pressure (MPa)	35
Min. burst pressure (MPa)	120
Temperature range	-30°C to +100°C (-22°F to +212°F)
Material female plate	Zink plated steel, anodized aluminium, zink, brass
Material male plate	Zink plated steel, anodized aluminium, brass
Material seal	Nitril (NBR)





HIAB BUCKETS



REACH FURTHER WITH A BUCKET

Every bucket has its strong point

Many different buckets are available for your Hiab loader crane. Your choice depends on what your business – current, and future – is focused on. After all, new business ideas and opportunities do present themselves from time to time. Bucket solutions vary from narrow width digging buckets – suitable when deploying cables, through midsize open buckets suitable for lifting branches as well as digging,

and all the way up to large volume scooping buckets, perfect when it comes to shifting large amounts of material. When looking for your ideal solution, bear in mind that the choice of rotator, bolt-on teeth, scrapers, etc. could be the key. Together with the bucket of your choice, they can make up the package most beneficial for your everyday operations.

ITEM PRESENTATION



About this type of brochure

This brochure is to help you find the right order number for sales. A brief description of individual parts and packages of parts is followed by a section containing order numbers for all parts and data on various packages. As soon as you have found the right model and order number, order using standard procedure.

From crane tip – to bucket tooth

How a bucket works depends on a package of interactive parts. Going through them from the crane tip downwards, you first notice the upper link. The upper link is a cardan link, creating a distance between the accessory and crane tip – giving room for the rotator and bucket to move freely. Then comes the rotator, providing rotational movement. The rotator can be connected to the attachment in two different ways – via flange or shaft, each having its own strong points. With a shaft rotator you need to fit a reduction link before finally bolting the flange onto your HPXdrive, ToolXChanger™ or other suitable devices or tools. Choosing the right combination plays an important part in higher productivity and flexibility.



Short upper link

An upper link is a cardan link between rotator and crane, adding valuable distance between the two.



Rotator

The rotator enables rotation of anything attached to it. It gives the ability to handle loads – especially heavy or bulky ones – with great precision.



Reduction link

A reduction link is an adapter between shaft rotator and flange attachment.

Giving it rotation

The rotator is an important, often overlooked, workhorse in load-handling solutions. A reliable, precise and sturdy rotator is a must when handling loads, especially heavy or bulky ones – with great precision. A wide range of rotators is available, to ensure there is always one appropriate for your needs. Turning motion comes via a gear-type or vane-type rotator. The gear-type enables a somewhat higher degree of precision in its movements. As well as different drive types you can choose between a shaft- or flange attachment, the latter giving the most firm and direct connection to an accessory.

Looking into what drives your bucket

The conventional way of driving a bucket or a grapple is by having one or two cylinders acting on a lever, transferring linear into turning motion on the axis. This is a robust – and over the years – well proven method.

You also have the possibility of using an HPXdrive. This drives the shells by means of a helix screw working two axles, on which the shells are mounted. The HPXdrive has many advantages. It is maintenance free, compact and robust, and gives you a constant closing force. It also provides for the possibility of using different shells on the same drive – you can adapt from using a narrow bucket to a wide bucket, and on to a rock grab by simply loosening and tightening eight bolts. This is perfect when carrying out a wide range of different jobs during the same week. And of course, when your current shells finally wear out you need only order a new pair of shells – the HPXdrive will still keep going for a long time.



HPXdrive

The HPXdrive is maintenance free and extremely robust. We offer two types of HPXdrives, Standard and Heavy Duty. Thanks to the HPXdrive's constant closing force it makes a perfect choice for tough applications such as digging.

Conventional cylinder drive

Buckets have been driven by conventional cylinders for many years, ensuring the technique is well-proven and robust. The cylinders can be positioned horizontally or vertically depending on the type of work the bucket is focused towards. A vertically positioned cylinder, for instance, enables the bucket to dig a deep and narrow hole with ease.

Shell

When using an HPXdrive, you can easily switch between additional compatible shells. This is done by first loosening and then tightening only a few bolts. All shells can be ordered separately and it is very important not to use an HPX Standard shell with an HPXdrive HD and vice versa.

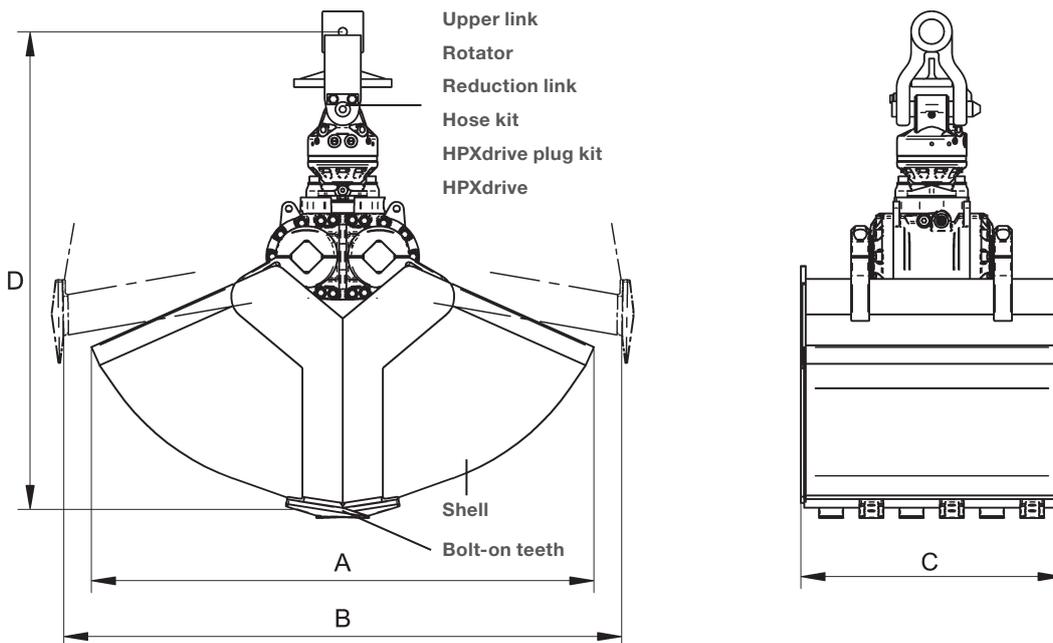
HIAB KM 604 HPX WITH HPXDRIVE

Technical data KM 604 HPX-	200	250	325	350	450
Package incl. flange rotator (part no.)*	338 1803	338 1811	338 1820	338 1838	338 1846
Package incl. shaft rotator (part no.)**	338 1935	338 1943	338 1951	338 1960	338 1978
Volume (litres)	200	250	325	350	450
Span closed (mm), A	1250	1250	1250	1250	1250
Span open (mm), B	1390	1390	1390	1390	1390
Width (mm), C	400	500	600	650	800
Height (mm), D*	1240	1240	1240	1240	1240
Height (mm), D**	1330	1330	1330	1330	1330
Bolt-on teeth (no.)	4	4	6	6	6
Weight package (kg)*	230	240	265	275	290
Weight package (kg)**	235	245	270	280	295
Weight shell (kg)	90	100	125	135	150
Max. load (kg)	3000	3000	3000	3000	3000
Closing force (kN)	19	19	19	19	19
Built-in Pressure Relief Valve (MPa)	26	26	26	26	26
Max. oil pressure (MPa)	32	32	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes	Yes

* Package consists of: KM 501 Long upper link, KM 04 F140-30V Rotator, HPXdrive Standard, KM 604 HPX Shell, Bolt-on teeth.

** Package consists of: KM 501 Long upper link, KM 502 Reduction.

Technical drawing



Accessories KM 604 HPX-	200 Part no.	250 Part no.	325 Part no.	350 Part no.	450 Part no.
KM 203 01 Hose kit (not needed for KM 04 F140-30V)	338 3342	338 3342	338 3342	338 3342	338 3342
KM 604 HPX Shell	987 4631	987 4640	987 4658	987 4666	987 4674
KM 680 Scrapers	987 4682	987 4691	987 4704	987 4712	987 4721
KM 685 06 Lifting hooks (2 pcs)	987 4607	987 4607	987 4607	987 4607	987 4607
KM 685 06 Central lifting loop	338 6368	338 6368	338 6368	338 6368	338 6368
KM 685 07 Wear-plates (2 pcs)	987 4739	987 4747	987 4755	987 4763	987 4771
KM 685 05 Comp. rail adapters	987 5182	987 5191	987 5204	987 5212	987 5221
KM 381 09 Comp. rails 720 mm (2 pcs)	987 4917	987 4917	987 4917	987 4917	-
KM 381 09 Comp. rails 1000 mm (2 pcs)	-	-	987 4925	987 4925	987 4925
KM 381 09 Comp. rails 1250 mm (2 pcs)	-	-	-	-	339 0624
KM 204 Hydraulic quick coupling, mobile (2 pcs)	338 6562	338 6562	338 6562	338 6562	338 6562
KM 204 Hydraulic quick coupling to rotator, fixed (2 pcs)	338 6554	338 6554	338 6554	338 6554	338 6554
KM 204 Hydraulic quick coupling to rotator, fixed kit	338 6635	338 6635	338 6635	338 6635	338 6635
HPXdrive plug kit	338 5698	338 5698	338 5698	338 5698	338 5698
Bolt-on tooth	985 5688	985 5688	985 5688	985 5688	985 5688

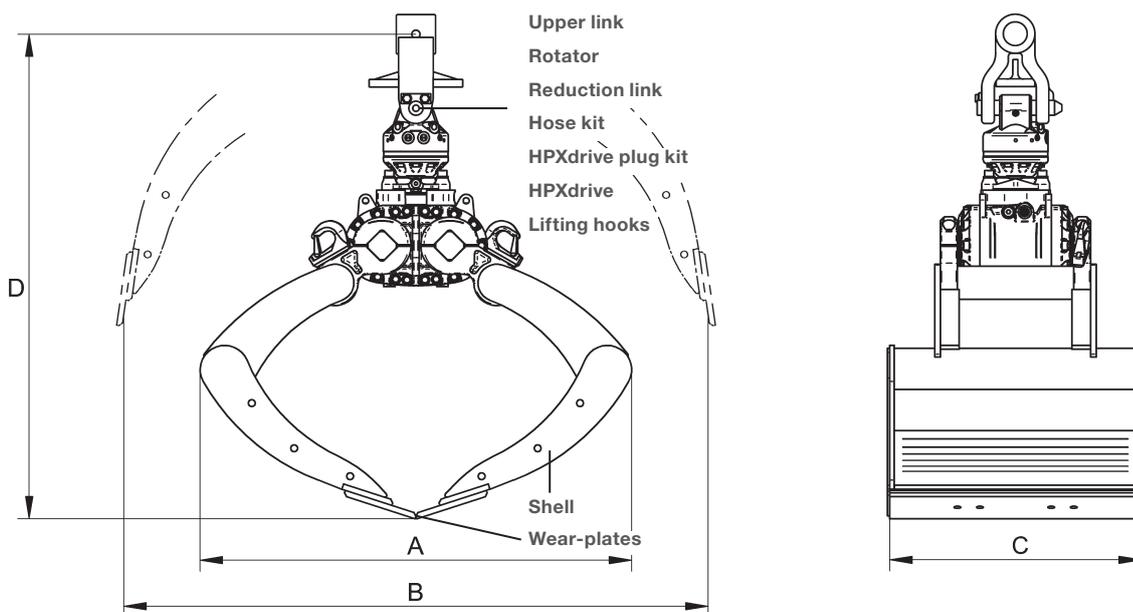
HIAB KM 604U HPX WITH HPXDRIVE

Technical data KM 604U HPX-	250	300	400	500
Package incl. flange rotator (part no.)*	338 1986	338 1994	338 2001	338 2010
Package incl. shaft rotator (part no.)**	338 2028	338 2036	338 2044	338 2052
Volume (litres)	250	300	400	500
Span closed (mm), A	1150	1150	1150	1150
Span open (mm), B	1590	1590	1590	1590
Width (mm), C	570	670	820	1020
Height (mm), D*	1345	1345	1345	1345
Height (mm), D**	1435	1435 <td 1435	1435	
Weight package (kg)*	320	335	355	385
Weight package (kg)**	325	340	360	390
Weight shell (kg)	180	195	215	245
Max. load (kg)	3000	3000	3000	3000
Closing force (kN)	17	17	17	17
Built-in Pressure Relief Valve (MPa)	26	26	26	26
Max. oil pressure (MPa)	32	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes

* Package consists of: KM 501 Long upper link, KM 04 F140-30V Rotator, HPXdrive Standard, KM 685 06 Lifting hooks (2 pcs), KM 604U HPX Shell, KM 685 07 Wear-plates (2 pcs).

** Package consists of: KM 501 Long upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, HPXdrive plug kit, HPXdrive Standard, KM 685 06 Lifting hooks (2 pcs), KM 604U HPX Shell, KM 685 07 Wear-plates (2 pcs).

Technical drawing



Accessories KM 604U HPX-	250 Part no.	300 Part no.	400 Part no.	500 Part no.
KM 203 01 Hose kit (not needed for KM 04 F140-30V)	338 3342	338 3342	338 3342	338 3342
KM 604U HPX Shell	987 4780	987 4798	987 4801	987 5051
KM 685 06 Lifting hooks (2 pcs)	987 4607	987 4607	987 4607	987 4607
KM 685 06 Central lifting loop	338 6368	338 6368	338 6368	338 6368
Side-plates 6 mm (4 pcs)	985 8903	985 8903	985 8903	985 8903
Side-plates 8 mm (4 pcs)	985 8831	985 8831	985 8831	985 8831
Side-plates 10 mm (4 pcs)	338 9073	338 9073	338 9073	338 9073
KM 685 07 Wear-plates (2 pcs)	987 5069	987 5077	987 5085	987 5107
KM 685 05 Comp. rail adapters	987 4861	987 4879	987 4887	987 4909
KM 381 09 Comp. rails 720 mm (2 pcs)	987 4917	987 4917	-	-
KM 381 09 Comp. rails 1000 mm (2 pcs)	-	987 4925	987 4925	-
KM 381 09 Comp. rails 1250 mm (2 pcs)	-	-	339 0624	339 0624
KM 204 Hydraulic quick coupling, mobile (2 pcs)	338 6562	338 6562	338 6562	338 6562
KM 204 Hydraulic quick coupling to rotator, fixed (2 pcs)	338 6554	338 6554	338 6554	338 6554
KM 204 Hydraulic quick coupling to rotator, fixed kit	338 6635	338 6635	338 6635	338 6635
HPXdrive plug kit	338 5698	338 5698	338 5698	338 5698

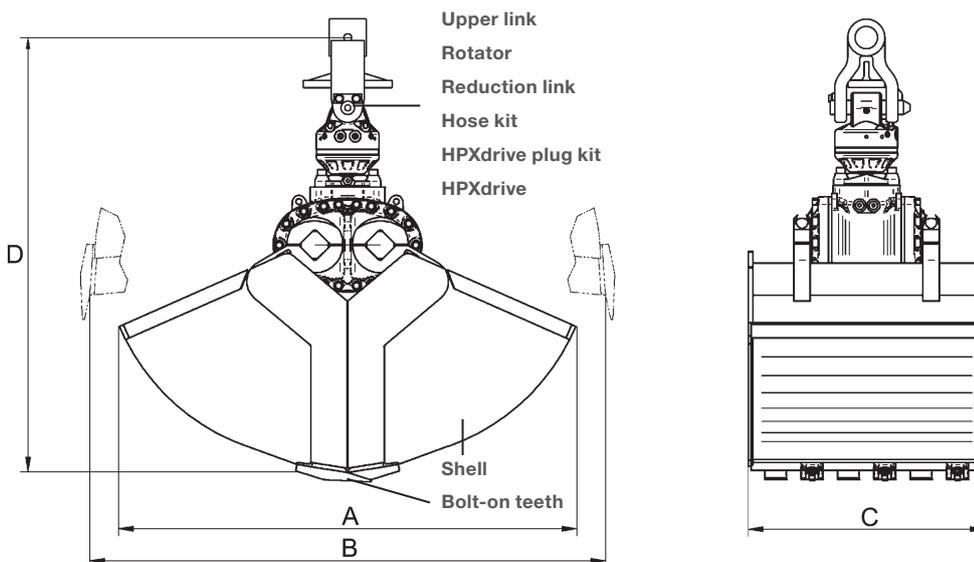
HIAB KM 605 HPX WITH HPXDRIVE

Technical data KM 605 HPX-	200	250	350	450	550
Package incl. flange rotator (part no.)*	338 1889	338 1897	338 1901	338 1919	338 1927
Package incl. shaft rotator (part no.)**	338 3636	338 3644	338 3652	338 3661	338 3679
Volume (litres)	200	250	350	450	550
Span closed (mm), A	1255	1255	1255	1255	1255
Span open (mm), B	1420	1420	1420	1420	1420
Width (mm), C	400	500	650	800	1000
Height (mm), D*	1250	1250	1250	1250	1250
Height (mm), D**	1340	1340	1340	1340	1340
Bolt-on teeth (no.)	4	4	6	6	8
Weight package (kg)*	320	340	355	380	410
Weight package (kg)**	325	345	360	385	415
Weight shell (kg)	135	155	170	195	225
Max. load (kg)	3000	3000	3000	3000	3000
Closing force (kN)	34	34	34	34	34
Built-in Pressure Relief Valve	No	No	No	No	No
Max. oil pressure (MPa)	32	32	32	32	32
Rec. oil flow (l/min)	40 - 90	40 - 90	40 - 90	40 - 90	40 - 90
Built-in Load Holding Valve	Yes	Yes	Yes	Yes	Yes

* Package consists of: KM 501 Long upper link, KM 04 F140-30V Rotator, HPXdrive Heavy Duty, KM 605 HPX Shell, Bolt-on teeth.

** Package consists of: KM 501 Long upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, HPXdrive plug kit, HPXdrive Heavy Duty, KM 605 HPX Shell, Bolt-on teeth.

Technical drawing



Accessories KM 605 HPX-	200 Part no.	250 Part no.	350 Part no.	450 Part no.	550 Part no.
KM 203 01 Hose kit (not needed for KM 04 F140-30V)	338 3369	338 3369	338 3369	338 3369	338 3369
KM 605 HPX Shell	987 4933	987 4941	987 4950	987 4968	987 4976
KM 680 Scrapers	987 5115	987 5123	987 5131	987 5140	987 5158
KM 685 06 Lifting hooks (2 pcs)	987 4607	987 4607	987 4607	987 4607	987 4607
KM 685 06 Central lifting loop	338 6376	338 6376	338 6376	338 6376	338 6376
KM 685 07 Wear-plates (2 pcs)	987 4739	987 4747	987 4763	987 4771	987 5166
KM 685 05 Comp. rail adapters	987 5182	987 5191	987 5212	987 5221	987 5239
KM 381 09 Comp. rails 720 mm (2 pcs)	987 4917	987 4917	987 4917	-	-
KM 381 09 Comp. rails 1000 mm (2 pcs)	-	-	987 4925	987 4925	-
KM 381 09 Comp. rails 1250 mm (2 pcs)	-	-	-	339 0624	339 0624
KM 204 Hydraulic quick coupling, mobile (2 pcs)	338 6589	338 6589	338 6589	338 6589	338 6589
KM 204 Hydraulic quick coupling to rotator, fixed (2 pcs)	338 6554	338 6554	338 6554	338 6554	338 6554
KM 204 Hydraulic quick coupling to rotator, fixed kit	338 6635	338 6635	338 6635	338 6635	338 6635
HPXdrive plug kit	338 5698	338 5698	338 5698	338 5698	338 5698
Bolt-on tooth	985 5688	985 5688	985 5688	985 5688	985 5688

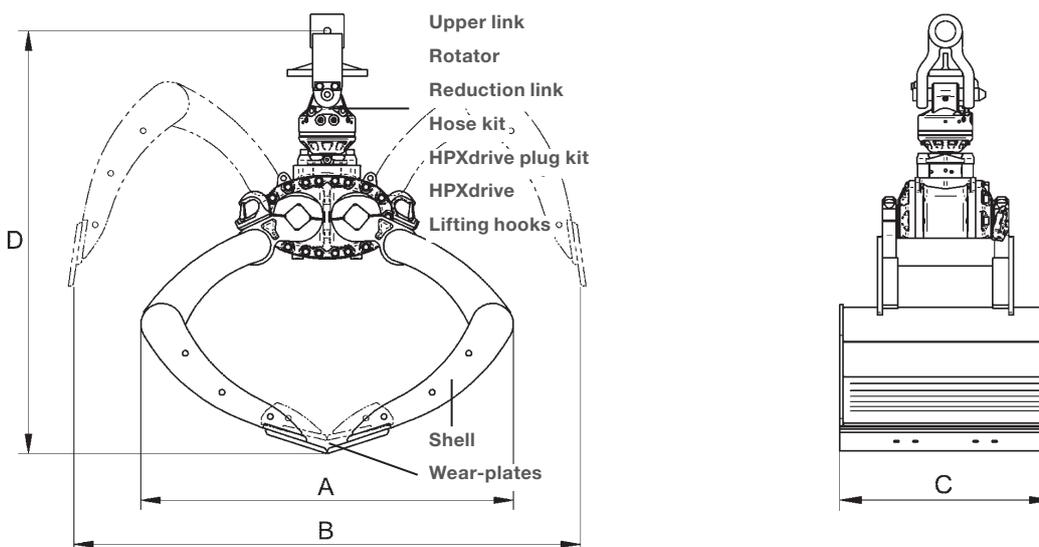
HIAB KM 605U HPX WITH HPXDRIVE

Technical data KM 605U HPX-	250	300	400	450	500
Package incl. flange rotator (part no.)*	338 3687	338 3695	338 3709	338 3717	338 3725
Package incl. shaft rotator (part no.)**	338 3733	338 3741	338 3750	338 3768	338 3776
Volume (litres)	250	300	400	450	500
Span closed (mm), A	1150	1150	1150	1150	1150
Span open (mm), B	1545	1545	1545	1545	1545
Width (mm), C	570	670	820	920	1020
Height (mm), D*	1355	1355	1355	1355	1355
Height (mm), D**	1450	1450	1450 <td 1450	1450	
Bolt-on teeth (no.)	5	5	7	7	9
Weight package (kg)*	370	385	405	420	435
Weight package (kg)**	375	390	410	425	440
Weight shell (kg)	185	200	220	235	250
Max. load (kg)	3000	3000	3000	3000	3000
Closing force (kN)	30	30	30	30	30
Built-in Pressure Relief Valve	No	No	No	No	No
Max. oil pressure (MPa)	32	32	32	32	32
Rec. oil flow (l/min)	40 - 90	40 - 90	40 - 90	40 - 90	40 - 90
Built-in Load Holding Valve	Yes	Yes	Yes	Yes	Yes

* Package consists of: KM 501 Long upper link, KM 04 F Rotator, HPXdrive plug kit, HPXdrive Heavy Duty, KM 685 06 Lifting hooks (2 pcs), KM 605U HPX Shell, KM 685 07 Wear-plates (2 pcs).

** Package consists of: KM 501 Long upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, HPXdrive plug kit, HPXdrive Heavy Duty, KM 685 06 Lifting hooks (2 pcs), KM 605U HPX Shell, KM 685 07 Wear-plates (2 pcs).

Technical drawing



Accessories KM 605U HPX-	250	300	400	450	500
	Part no.				
KM 203 01 Hose kit (not needed for KM 04 F140-30V)	338 3369	338 3369	338 3369	338 3369	338 3369
KM 605U HPX Shell	987 4810	987 4828	987 4836	987 4844	987 4852
KM 685 06 Lifting hooks (2 pcs)	987 4607	987 4607	987 4607	987 4607	987 4607
KM 685 06 Central lifting loop	338 6376	338 6376	338 6376	338 6376	338 6376
Side-plates 6 mm (4 pcs)	985 8903	985 8903	985 8903	985 8903	985 8903
Side-plates 8 mm (4 pcs)	985 8831	985 8831	985 8831	985 8831	985 8831
Side-plates 10 mm (4 pcs)	338 9073	338 9073	338 9073	338 9073	338 9073
KM 685 07 Wear-plates (2 pcs)	987 5069	987 5077	987 5085	987 5093	987 5107
KM 685 05 Comp. rail adapters	987 4861	987 4879	987 4887	987 4895	987 4909
KM 381 09 Comp. rails 720 mm (2 pcs)	987 4917	987 4917	-	-	-
KM 381 09 Comp. rails 1000 mm (2 pcs)	-	987 4925	987 4925	987 4925	-
KM 381 09 Comp. rails 1250 mm (2 pcs)	-	-	339 0624	339 0624	339 0624
KM 204 Hydraulic quick coupling, mobile (2 pcs)	338 6589	338 6589	338 6589	338 6589	338 6589
KM 204 Hydraulic quick coupling to rotator, fixed (2 pcs)	338 6554	338 6554	338 6554	338 6554	338 6554
KM 204 Hydraulic quick coupling to rotator, fixed kit	338 6635	338 6635	338 6635	338 6635	338 6635
HPXdrive plug kit	338 5698	338 5698	338 5698	338 5698	338 5698
Bolt-on tooth	987 5174	987 5174	987 5174	987 5174	987 5174

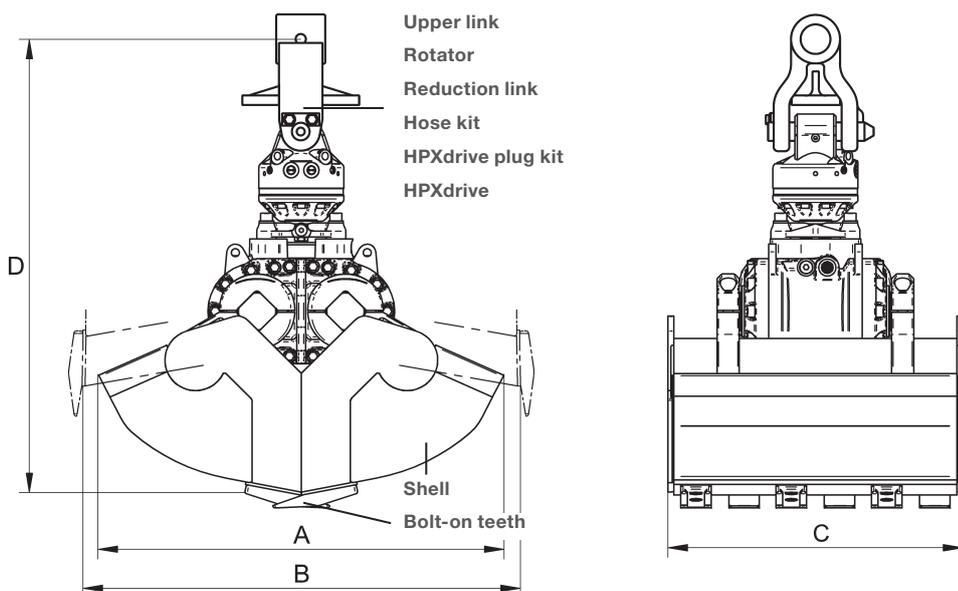
HIAB KM 626 HPX WITH HPXDRIVE

Technical data KM 626 HPX-	95	100	150
Package incl. flange rotator (part no.)*	338 1854	338 1862	338 1871
Package incl. shaft rotator (part no.)**	338 2061	338 2079	338 2087
Volume (litres)	95	100	150
Span closed (mm), A	825	825	825
Span open (mm), B	900	900	900
Width (mm), C	400	450	600
Height (mm), D*	985	985	985
Height (mm), D**	1080	1080	1080
Bolt-on teeth (no.)	4	4	6
Weight package (kg)*	180	190	220
Weight package (kg)**	185	195	225
Weight shell (kg)	40	50	80
Max. load (kg)	2000	2000	2000
Closing force (kN)	31	31	31
Built-in Pressure Relief Valve (MPa)	26	26	26
Max. oil pressure (MPa)	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes

* Package consists of: KM 501 Long upper link, KM 04 F140-30V Rotator, HPXdrive Standard, KM 626 HPX Shell, Bolt-on teeth.

** Package consists of: KM 501 Long upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, HPXdrive plug kit, HPXdrive Standard, KM 626 HPX Shell, Bolt-on teeth.

Technical drawing



Accessories KM 626 HPX-	95	100	150
	Part no.	Part no.	Part no.
KM 203 01 Hose kit (not needed for KM 04 F140-30V)	338 3342	338 3342	338 3342
KM 626 HPX Shell	987 4500	987 4518	987 4526
KM 680 Scrapers	987 4534	987 4542	987 4551
KM 685 06 Lifting hooks (2 pcs)	987 4607	987 4607	987 4607
KM 685 06 Central lifting loop	338 6368	338 6368	338 6368
KM 685 07 Wear-plates (2 pcs)	-	987 4585	987 4593
KM 204 Hydraulic quick coupling, mobile (2 pcs)	338 6562	338 6562	338 6562
KM 204 Hydraulic quick coupling to rotator, fixed (2 pcs)	338 6554	338 6554	338 6554
KM 204 Hydraulic quick coupling to rotator, fixed kit	338 6635	338 6635	338 6635
HPXdrive plug kit	338 5698	338 5698	338 5698
Bolt-on tooth	987 4569	987 4569	987 4569



HIAB KM 603F WITH CONVENTIONAL CYLINDER DRIVE

Technical data KM 603-	150	200	250	325	350	450
Package incl. flange rotator (part no.)*	338 7291	338 7305	338 7313	338 7321	338 7330	338 7348
Package incl. shaft rotator (part no.)**	338 7704	338 7712	338 7721	338 7739	338 7747	338 7755
Package for flange rotator (part no.)***	338 8409	338 8417	338 8425	338 8433	338 8441	338 8450
Package for shaft rotator (part no.)****	338 8468	338 8476	338 8484	338 8492	338 8506	338 8514
Volume (litres)	150	200	250	325	350	450
Span closed (mm), A	1265	1265	1265	1265	1265	1265
Span open (mm), B	1390	1390	1390	1390	1390	1390
Width (mm), C	325	400	500	600	650	800
Height (mm), D*	1700	1700	1700	1700	1700	1700
Height (mm), D**	1790	1790	1790	1790	1790	1790
Height (mm), D***	1330	1330	1330	1330	1330	1330
Height (mm), D****	1385	1385	1385	1385	1385	1385
Bolt-on teeth (no.)	3	3	5	5	5	9
Weight package (kg)*	275	285	300	315	320	345
Weight package (kg)**	280	290	305	320	325	350
Weight package (kg)***	240	250	265	280	285	310
Weight package (kg)****	245	255	270	285	290	315
Weight bucket (kg)	240	250	265	280	285	310
Max. load (kg)	3000	3000	3000	3000	3000	3000
Closing force (kN)	20	20	20	20	20	20
Built-in Pressure Relief Valve (MPa)	No	No	No	No	No	No
Max. oil pressure (MPa)	26	26	26	26	26	26
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes	Yes	Yes

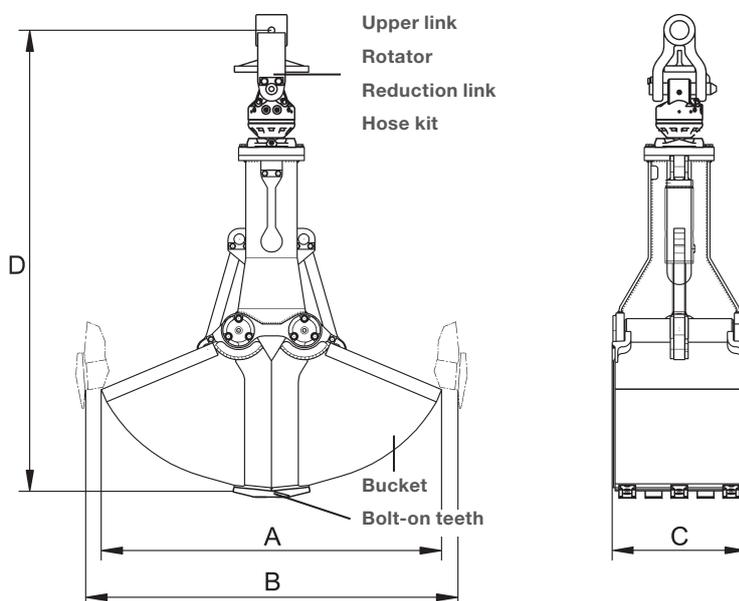
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 603 Bucket, Bolt-on teeth.

** Package consists of: KM 501 Short upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 603 Bucket, Bolt-on teeth.

*** Package consists of: KM 203 01 Hose kit, KM 603 Bucket, Bolt-on teeth.

**** Package consists of: KM 502 Reduction link, KM 203 01 Hose kit, KM 603 Bucket, Bolt-on teeth.

Technical drawing



HIAB KM 602 WITH CONVENTIONAL CYLINDER DRIVE

Technical data KM 602-	300	400	500	650	1000
Package incl. flange rotator (part no.)*	338 0050	338 0068	338 0076	338 0084	338 0092
Package incl. shaft rotator (part no.)**	338 7623	338 7631	338 7640	338 7658	338 7666
Package for flange rotator (part no.)***	338 8247	338 8255	338 8263	338 8271	338 8280
Package for shaft rotator (part no.)****	338 8298	338 8301	338 8310	338 8328	338 8336
Volume (litres)	300	400	500	650	1000
Span closed (mm), A	1330	1330	1330	1330	1690
Span open (mm), B	1830	1830	1830	1830	2190
Width (mm), C	500	800	1000	1200	1200
Height (mm), D*	1340	1340	1340	1340	1525
Height (mm), D**	1430	1430	1430	1430	1615
Height (mm), D***	970	970	970	970	1155
Height (mm), D****	1025	1025	1025	1025	1210
Bolt-on teeth (no.)	5	9	9	9	9
Weight package (kg)*	455	485	500	515	725
Weight package (kg)**	460	490	505	520	730
Weight package (kg)***	420	450	465	480	690
Weight package (kg)****	425	455	470	485	695
Weight bucket (kg)	420	450	465	480	690
Max. load (kg)	3000	3000	3000	3000	3000
Closing force (kN)	28	28	28	28	28
Built-in Pressure Relief Valve (MPa)	26	26	26	26	26
Max. oil pressure (MPa)	32	32	32	32	32
Rec. oil flow (l/min)	35 - 75	35 - 75	35 - 75	35 - 75	35 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes	Yes

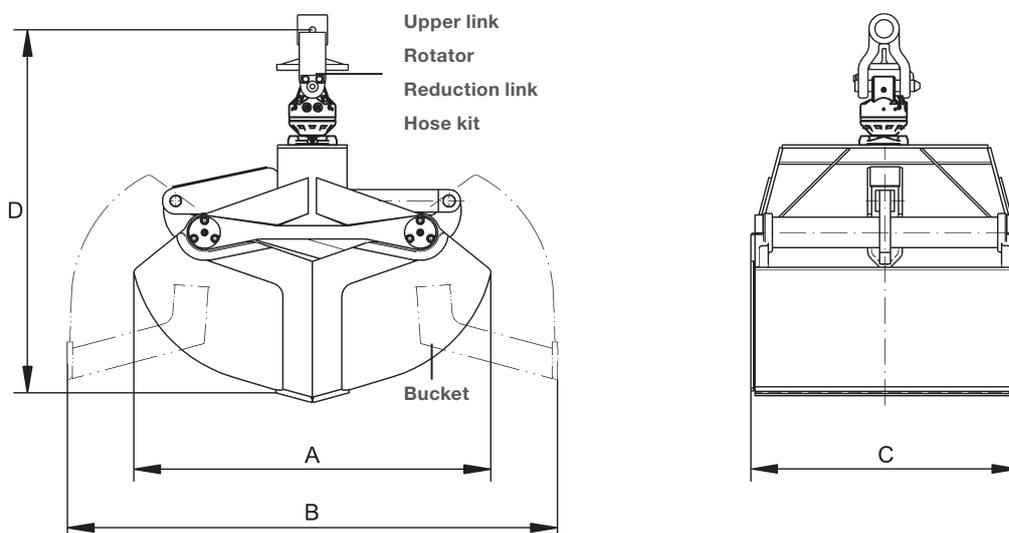
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 602 Bucket.

** Package consists of: KM 501 Short upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 602 Bucket.

*** Package consists of: KM 203 01 Hose kit, KM 602 Bucket.

**** Package consists of: KM 502 Reduction link, KM 203 01 Hose kit, KM 602 Bucket.

Technical drawing



Accessories KM 602-	300 Part no.	400 Part no.	500 Part no.	650 Part no.	1000 Part no.
KM 203 01 Hose kit	338 8662	338 8662	338 8662	338 8662	338 8662
KM 502 Reduction link	987 2531	987 2531	987 2531	987 2531	987 2531
KM 602 Bucket	985 4053	985 4061	985 4070	985 4088	985 4096
KM 685 06 Lifting hooks (2 pcs)	987 4607	987 4607	987 4607	987 4607	987 4607
KM 685 07 Wear-plates (2 pcs)	338 9120	338 9138	338 9146	338 9154	338 9162
Bolt-on tooth	987 4623	987 4623	987 4623	987 4623	987 4623

HIAB KM 622 WITH CONVENTIONAL CYLINDER DRIVE

Technical data KM 622-	300	400	500
Package incl. flange rotator (part no.)*	338 0106	338 0114	338 0122
Package incl. shaft rotator (part no.)**	338 7674	338 7682	338 7691
Package for flange rotator (part no.)***	338 8344	338 8352	338 8361
Package for shaft rotator (part no.)****	338 8379	338 8387	338 8395
Volume (litres)	300	400	500
Span closed (mm), A	1325	1325	1325
Span open (mm), B	1670	1670	1670
Width (mm), C	640	800	1000
Height (mm), D*	1295	1295	1295
Height (mm), D**	1390	1390	1390
Height (mm), D***	925	925	925 </td
Height (mm), D****	980	980	980
Bolt-on teeth (no.)	5	9	9
Weight package (kg)*	370	380	395
Weight package (kg)**	375	385	400
Weight package (kg)***	335	345	360
Weight package (kg)****	340	350	365
Weight bucket (kg)	335	345	360
Max. load (kg)	3000	3000	3000
Closing force (kN)	20	20	20
Built-in Pressure Relief Valve (MPa)	26	26	26
Max. oil pressure (MPa)	32	32	32
Rec. oil flow (l/min)	35 - 75	35 - 75	35 - 75
Built-in Load Holding Valve	Yes	Yes	Yes

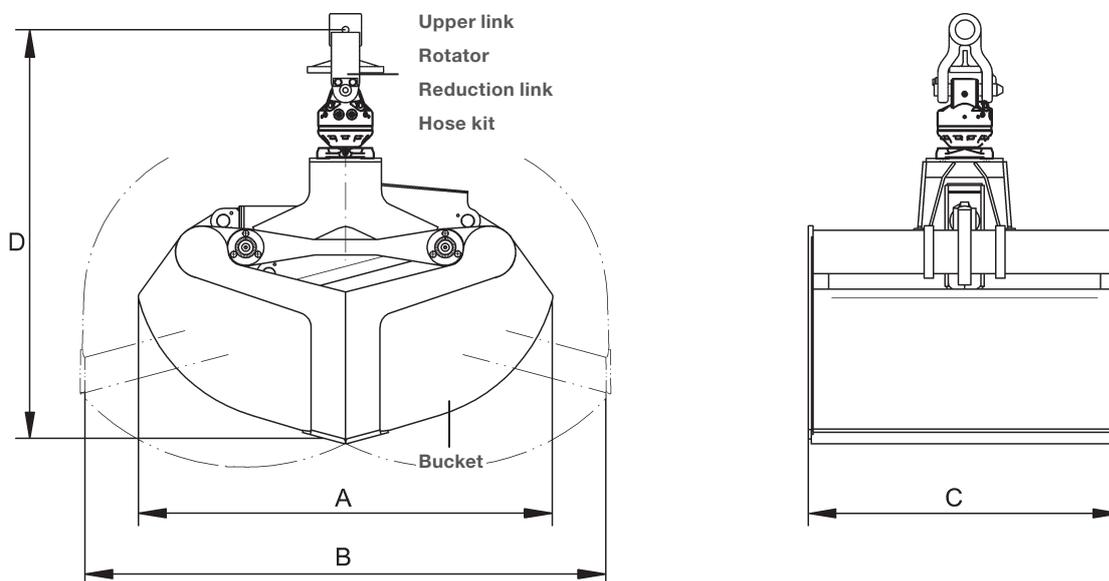
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 622 Bucket.

** Package consists of: KM 501 Short upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 622 Bucket.

*** Package consists of: KM 203 01 Hose kit, KM 622 Bucket.

**** Package consists of: KM 502 Reduction link, KM 203 01 Hose kit, KM 622 Bucket.

Technical drawing



Accessories KM 622-	300 Part no.	400 Part no.	500 Part no.
KM 203 01 Hose kit	338 8662	338 8662	338 8662
KM 502 Reduction link	987 2531	987 2531	987 2531
KM 622 Bucket	985 4134	985 4142	985 4151
KM 685 06 Lifting hooks (2 pcs)	987 4607	987 4607	987 4607
KM 685 07 Wear-plates (2 pcs)	338 9111	338 9138	338 9146
Bolt-on tooth	987 4623	987 4623	987 4623

HIAB KM 604 WITH CONVENTIONAL CYLINDER DRIVE

Technical data KM 604-	150	200	250	325	350	450
Package incl. flange rotator (part no.)*	338 0131	338 0149	338 0157	338 0165	338 0173	338 0181
Package incl. shaft rotator (part no.)**	338 7411	338 7429	338 7437	338 7445	338 7453	338 7461
Package for flange rotator (part no.)***	338 7828	338 7836	338 7844	338 7852	338 7861	338 7879
Package for shaft rotator (part no.)****	338 7887	338 7895	338 7909	338 7917	338 7925	338 7933
Volume (litres)	150	200	250	325	350	450
Span closed (mm), A	1265	1265	1265	1265	1265	1265
Span open (mm), B	1390	1390	1390	1390	1390	1390
Width (mm), C	325	400	500	600	650	800
Height (mm), D*	1240	1240	1240	1240	1240	1240
Height (mm), D**	1335	1335	1335	1335	1335	1335
Height (mm), D***	870	870	870	870	870	870
Height (mm), D****	925	925	925	925	925	925
Bolt-on teeth (no.)	3	3	5	5	5	9
Weight package (kg)*	210	220	235	245	255	280
Weight package (kg)**	215	225	240	250	260	285
Weight package (kg)***	175	185	200	210	220	245
Weight package (kg)****	180	190	205	215	225	250
Weight bucket (kg)	175	185	200	210	220	245
Max. load (kg)	3000	3000	3000	3000	3000	3000
Closing force (kN)	20	20	20	20	20	20
Built-in Pressure Relief Valve (MPa)	26	26	26	26	26	26
Max. oil pressure (MPa)	32	32	32	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes	Yes	Yes

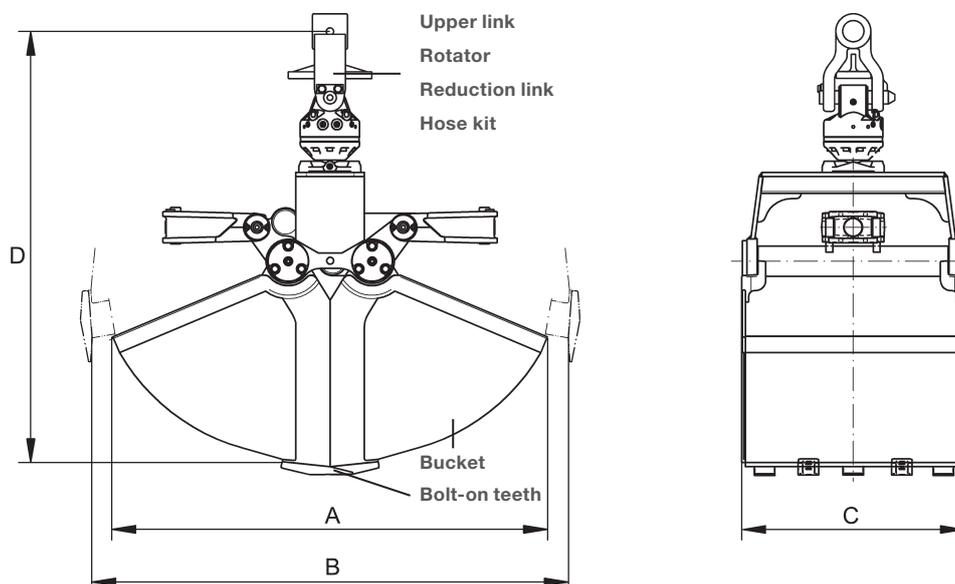
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 604 Bucket, Bolt-on teeth.

** Package consists of: KM 501 Short upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 604 Bucket, Bolt-on teeth.

*** Package consists of: KM 203 01 Hose kit, KM 604 Bucket, Bolt-on teeth.

**** Package consists of: KM 502 Reduction link, KM 203 01 Hose kit, KM 604 Bucket, Bolt-on teeth.

Technical drawing



Accessories KM 604-	150 Part no.	200 Part no.	250 Part no.	325 Part no.	350 Part no.	450 Part no.
KM 203 01 Hose kit	338 8646	338 8646	338 8646	338 8646	338 8646	338 8646
KM 502 Reduction link	987 2531	987 2531	987 2531	987 2531	987 2531	987 2531
KM 604 Bucket	985 4169	985 4177	985 4185	985 4193	985 4207	985 4215
KM 680 Scrapers	338 8735	338 8743	338 8751	338 8760	338 8778	338 8786
KM 685 06 Lifting hooks (2 pcs)	987 4607	987 4607	987 4607	987 4607	987 4607	987 4607
KM 685 07 Wear-plates (2 pcs)	-	338 8981	338 8999	338 9006	338 9014	338 9022
KM 685 05 Comp. rail adapters	987 5247	987 5182	987 5191	987 5204	987 5212	987 5221
KM 381 09 Comp. rails 720 mm (2 pcs)	987 4917	987 4917	987 4917	987 4917	987 4917	-
KM 381 09 Comp. rails 1000 mm (2 pcs)	-	-	-	987 4925	987 4925	987 4925
KM 381 09 Comp. rails 1250 mm (2 pcs)	-	-	-	-	-	339 0624
Bolt-on tooth	985 5688	985 5688	985 5688	985 5688	985 5688	985 5688

HIAB KM 605 WITH CONVENTIONAL CYLINDER DRIVE

Technical data KM 605-	200	250	350	450	550	650
Package incl. flange rotator (part no.)*	338 0190	338 0203	338 0211	338 0220	338 0238	338 0246
Package incl. shaft rotator (part no.)**	338 7470	338 7488	338 7496	338 7500	338 7518	338 7526
Package for flange rotator (part no.)***	338 7941	338 7950	338 7968	338 7976	338 7984	338 7992
Package for shaft rotator (part no.)****	338 8000	338 8018	338 8026	338 8034	338 8042	338 8051
Volume (litres)	200	250	350	450	550	650
Span closed (mm), A	1290	1290	1290	1290	1290	1290
Span open (mm), B	1430	1430	1430	1430	1430	1430
Width (mm), C	400	500	650	800	1000	1200
Height (mm), D*	1240	1240	1240	1240	1240	1240
Height (mm), D**	1335	1335	1335	1335	1335	1335
Height (mm), D***	870	870	870	870	870	870
Height (mm), D****	925	925	925	925	925	925
Bolt-on teeth (no.)	3	5	5	9	9	9
Weight package (kg)*	285	305	320	345	375	395
Weight package (kg)**	290	310	325	350	380	400
Weight package (kg)***	250	270	285	310	340	360
Weight package (kg)****	255	275	290	315	345	365
Weight bucket (kg)	250	270	285	310	340	360
Max. load (kg)	3000	3000	3000	3000	3000	3000
Closing force (kN)	30	30	30	30	30	30
Built-in Pressure Relief Valve (MPa)	26	26	26	26	26	26
Max. oil pressure (MPa)	32	32	32	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes	Yes	Yes

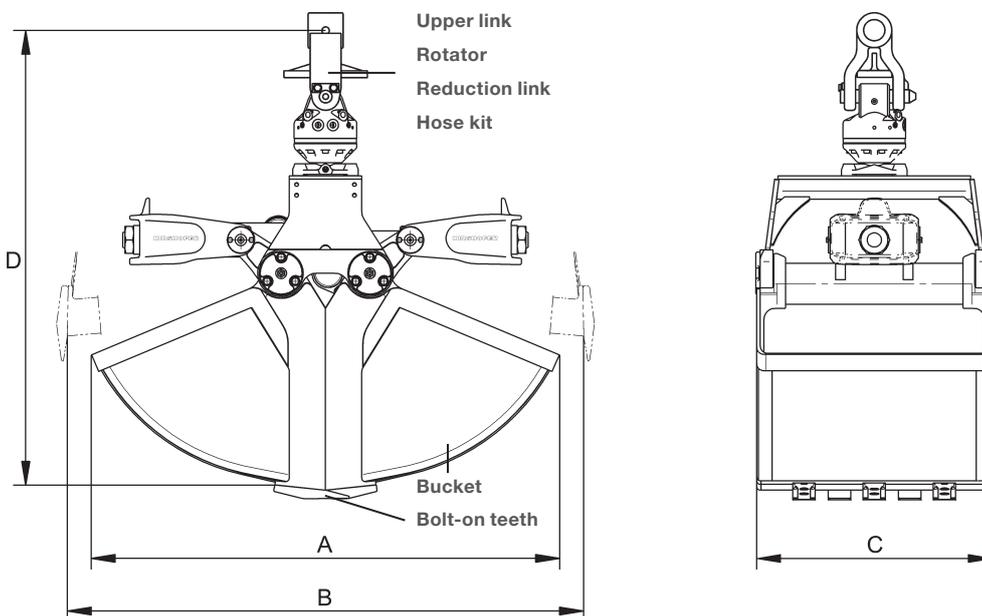
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 605 Bucket, Bolt-on teeth.

** Package consists of: KM 501 Short upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 605 Bucket, Bolt-on teeth.

*** Package consists of: KM 203 01 Hose kit, KM 605 Bucket, Bolt-on teeth.

**** Package consists of: KM 502 Reduction link, KM 203 01 Hose kit, KM 605 Bucket, Bolt-on teeth.

Technical drawing



Accessories KM 605-	200 Part no.	250 Part no.	350 Part no.	450 Part no.	550 Part no.	650 Part no.
KM 203 01 Hose kit	338 8662	338 8662	338 8662	338 8662	338 8662	338 8662
KM 502 Reduction link	987 2531	987 2531	987 2531	987 2531	987 2531	987 2531
KM 605 Bucket	985 4223	985 4231	985 4240	985 4258	985 4266	985 4274
KM 680 Scrapers	338 8794	338 8808	338 8816	338 8824	338 8832	338 8841
KM 685 06 Lifting hooks (2 pcs)	987 4607	987 4607	987 4607	987 4607	987 4607	987 4607
KM 685 07 Wear-plates (2 pcs)	338 8981	338 9031	338 9014	338 9049	338 9057	338 9065
KM 685 05 Comp. rail adapters	987 5182	987 5191	987 5212	987 5221	987 5239	987 6901
KM 381 09 Comp. rails 720 mm (2 pcs)	987 4917	987 4917	987 4917	-	-	-
KM 381 09 Comp. rails 1000 mm (2 pcs)	-	-	987 4925	987 4925	-	-
KM 381 09 Comp. rails 1250 mm (2 pcs)	-	-	-	339 0624	339 0624	339 0624
Bolt-on tooth	985 5688	985 5688	985 5688	985 5688	985 5688	985 5688

HIAB KM 605U WITH CONVENTIONAL CYLINDER DRIVE

Technical data KM 605U-	250	300	400	450	500	600
Package incl. flange rotator (part no.)*	338 7232	338 7241	338 7259	338 7267	338 7275	338 7283
Package incl. shaft rotator (part no.)**	338 7569	338 7577	338 7585	338 7593	338 7607	338 7615
Package for flange rotator (part no.)***	338 8123	338 8131	338 8140	338 8158	338 8166	338 8174
Package for shaft rotator (part no.)****	338 8182	338 8191	338 8204	338 8212	338 8221	338 8239
Volume (litres)	250	300	400	450	500	600
Span closed (mm), A	1150	1150	1150	1150	1150	1150
Span open (mm), B	1660	1660	1660	1660	1660	1660
Width (mm), C	570	670	820	920	1020	1220
Height (mm), D*	1380	1380	1380	1380	1380	1380
Height (mm), D**	1470	1470	1470	1470	1470	1470
Height (mm), D***	1010	1010	1010	1010	1010	1010
Height (mm), D****	1065	1065	1065	1065	1065	1065
Bolt-on teeth (no.)	5	5	7	7	9	9
Weight package (kg)*	315	335	355	370	385	415
Weight package (kg)**	320	340	360	375	390	420
Weight package (kg)***	285	300	320	335	350	380
Weight package (kg)****	290	305	325	340	355	385
Weight bucket (kg)	285	300	320	335	350	380
Max. load (kg)	3000	3000	3000	3000	3000	3000
Closing force (kN)	28	28	28	28	28	28
Built-in Pressure Relief Valve (MPa)	26	26	26	26	26	26
Max. oil pressure (MPa)	32	32	32	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes	Yes	Yes

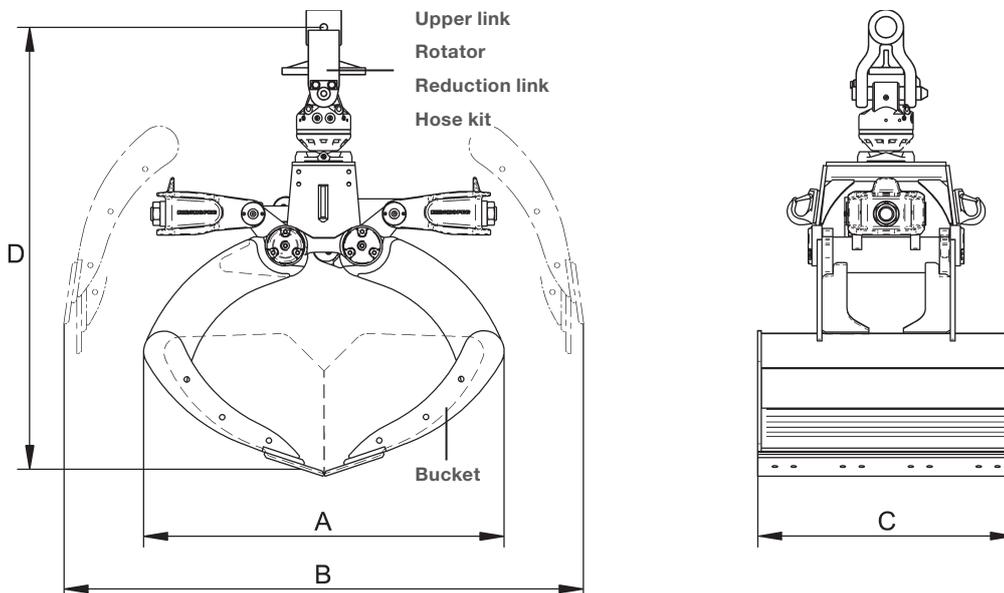
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 605U Bucket.

** Package consists of: KM 501 Short upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 605U Bucket.

*** Package consists of: KM 203 01 Hose kit, KM 605U Bucket.

**** Package consists of: KM 502 Reduction link, KM 203 01 Hose kit, KM 605U Bucket.

Technical drawing



Accessories KM 605U-	250 Part no.	300 Part no.	400 Part no.	450 Part no.	500 Part no.	600 Part no.
KM 203 01 Hose kit	338 8662	338 8662	338 8662	338 8662	338 8662	338 8662
KM 502 Reduction link	987 2531	987 2531	987 2531	987 2531	987 2531	987 2531
KM 605U Bucket	985 8091	985 8105	985 8113	985 8806	985 8814	985 8822
KM 685 06 Lifting hooks (2 pcs)	987 4607	987 4607	987 4607	987 4607	987 4607	987 4607
KM 685 07 Wear-plates (2 pcs)	987 5069	987 5077	987 5085	987 5093	987 5107	987 6910
KM 685 05 Comp. rail adapters	987 4861	987 4879	987 4887	987 4895	987 4909	987 6928
KM 381 09 Comp. rails 720 mm (2 pcs)	987 4917	987 4917	-	-	-	-
KM 381 09 Comp. rails 1000 mm (2 pcs)	-	987 4925	987 4925	987 4925	-	-
KM 381 09 Comp. rails 1250 mm (2 pcs)	-	-	339 0624	339 0624	339 0624	339 0624
Side-plates 6 mm (4 pcs)	985 8903	985 8903	985 8903	985 8903	985 8903	985 8903
Side-plates 8 mm (4 pcs)	985 8831	985 8831	985 8831	985 8831	985 8831	985 8831
Side-plates 10 mm (4 pcs)	338 9073	338 9073	338 9073	338 9073	338 9073	338 9073
Bolt-on tooth	987 5174	987 5174	987 5174	987 5174	987 5174	987 5174

HIAB KM 606 WITH CONVENTIONAL CYLINDER DRIVE

Technical data KM 606-	200	250	350	450	550
Package incl. flange rotator (part no.)*	338 0254	338 0262	338 0271	338 9171	338 9189
Package incl. shaft rotator (part no.)**	338 7534	338 7542	338 7551	338 9197	338 9201
Package for flange rotator (part no.)***	338 8069	338 8077	338 8085	338 9219	338 9227
Package for shaft rotator (part no.)****	338 8093	338 8107	338 8115	338 9235	338 9243
Volume (litres)	200	250	350	450	550
Span closed (mm), A	1290	1290	1290	1290	1290
Span open (mm), B	1430	1430	1430	1430	1430
Width (mm), C	400	500	650	800	1000
Height (mm), D*	1240	1240	1240	1240	1240
Height (mm), D**	1335	1335	1335	1335	1335
Height (mm), D***	870	870	870	870	870
Height (mm), D****	925	925	925	925	925
Bolt-on teeth (no.)	3	5	5	9	9
Weight package (kg)*	305	325	350	415	455
Weight package (kg)**	310	330	355	420	460
Weight package (kg)***	270	290	315	380	420
Weight package (kg)****	275	295	320	385	425
Weight bucket (kg)	270	290	315	380	420
Max. load (kg)	3000	3000	3000	3000	3000
Closing force (kN)	30	30	30	30	30
Built-in Pressure Relief Valve (MPa)	26	26	26	26	26
Max. oil pressure (MPa)	32	32	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes	Yes

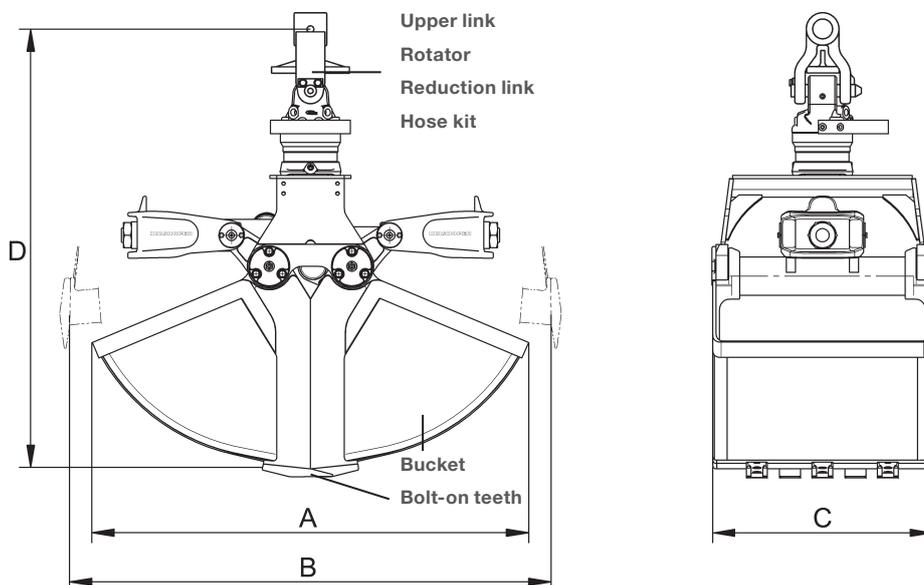
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 606 Bucket, Bolt-on teeth.

** Package consists of: KM 501 Short upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 606 Bucket, Bolt-on teeth.

*** Package consists of: KM 203 01 Hose kit, KM 606 Bucket, Bolt-on teeth.

**** Package consists of: KM 502 Reduction link, KM 203 01 Hose kit, KM 606 Bucket, Bolt-on teeth.

Technical drawing



Accessories KM 606-	200 Part no.	250 Part no.	350 Part no.	450 Part no.	550 Part no.
KM 203 01 Hose kit	338 8662	338 8662	338 8662	338 8662	338 8662
KM 502 Reduction link	987 2531	987 2531	987 2531	987 2531	987 2531
KM 606 Bucket	985 5653	985 5661	985 5670	987 7002	987 7011
KM 680 Scrapers	338 8794	338 8808	338 8816	338 8824	338 8832
KM 685 06 Lifting hooks (2 pcs)	987 4607	987 4607	987 4607	987 4607	987 4607
KM 685 07 Wear-plates (2 pcs)	338 9081	338 9090	338 9103	338 8867	338 8875
KM 685 05 Comp. rail adapters	987 5182	987 5191	987 5212	987 5221	987 5239
KM 381 09 Comp. rails 720 mm (2 pcs)	987 4917	987 4917	987 4917	-	-
KM 381 09 Comp. rails 1000 mm (2 pcs)	-	-	987 4925	987 4925	-
KM 381 09 Comp. rails 1250 mm (2 pcs)	-	-	-	339 0624	339 0624
Bolt-on tooth	987 4623	987 4623	987 4623	987 4623	987 4623

HIAB KM 607 WITH CONVENTIONAL CYLINDER DRIVE

Technical data KM 607-	135	170	215	255	340
Package incl. flange rotator (part no.)*	3399303	3399346	3399389	3399427	3399460
Package incl. shaft rotator (part no.)**	3399311	3399354	3399397	3399435	3399478
Package for flange rotator (part no.)***	3399320	3399362	3399401	3399443	3399486
Package for shaft rotator (part no.)****	3399338	3399371	3399419	3399451	3399494
Volume (litres)	135	170	215	255	340
Width (mm), A	325	400	500	600	800
Bolt-on teeth (no.)	3	3	5	5	9
Weight bucket (kg)	260	270	285	300	385
Max. load (kg)	3000	3000	3000	3000	3000
Closing force (kN)	32	32	32	32	32
Max. operating pressure (Mpa)	26	26	26	26	26
Rec. oil flow (l/min)	30-75	30-75	30-75	30-75	30-75

* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 607 Bucket, Bolt-on teeth.

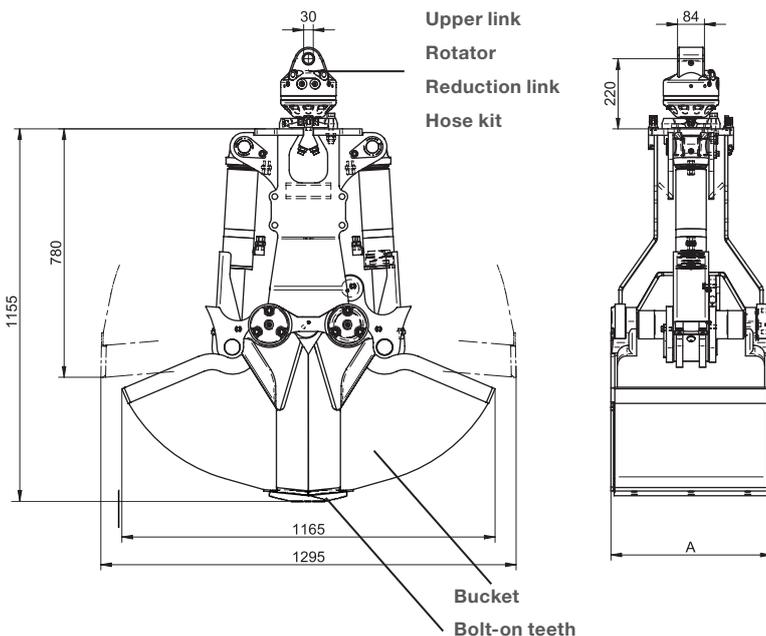
** Package consists of: KM 501 Short upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 607 Bucket, Bolt-on teeth.

*** Package consists of: KM 203 01 Hose kit, KM 607 Bucket, Bolt-on teeth.

**** Package consists of: KM 502 Reduction link, KM 203 01 Hose kit, KM 607 Bucket, Bolt-on teeth.

Accessories KM 607-	135 Part no.	170 Part no.	215 Part no.	255 Part no.	340 Part no.
KM 203 01 Hose kit	3388719	-	-	-	-
KM 502 Reduction link	9872531	-	-	-	-

Technical drawing

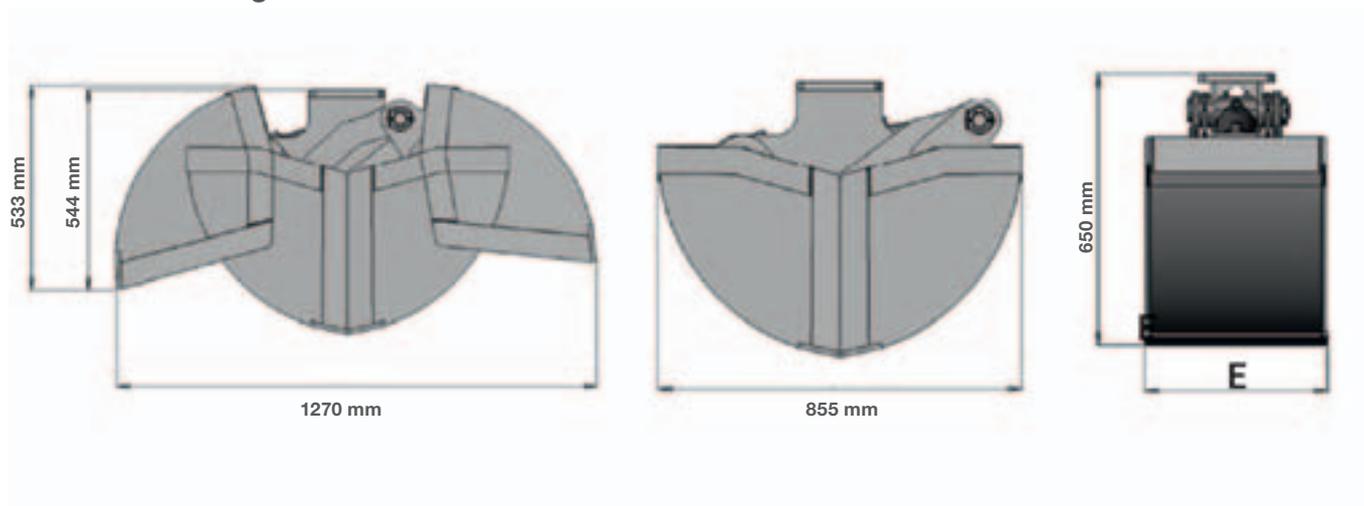


HIAB TMC 40 - 80

Technical data	TMC 40	TMC 50	TMC 60	TMC 80
Package part no.*	3396631	3396649	3396657	3396665
Self weight (kg)	142	152	162	202
Volume (litres)	125	150	175	200
Max operating pressure (MPa)	20	20	20	20
Recommended oil flow (l/min)	40	40	40	40
Closing force (kN)	12	12	12	12
Max. load (kg)	1000	1000	1000	1000
Width (mm), E	435	535	635	835

* Package consists of: Clamshell Bucket, Rotator IVR 3-74, Short upper link, Hose kit.

Technical drawing

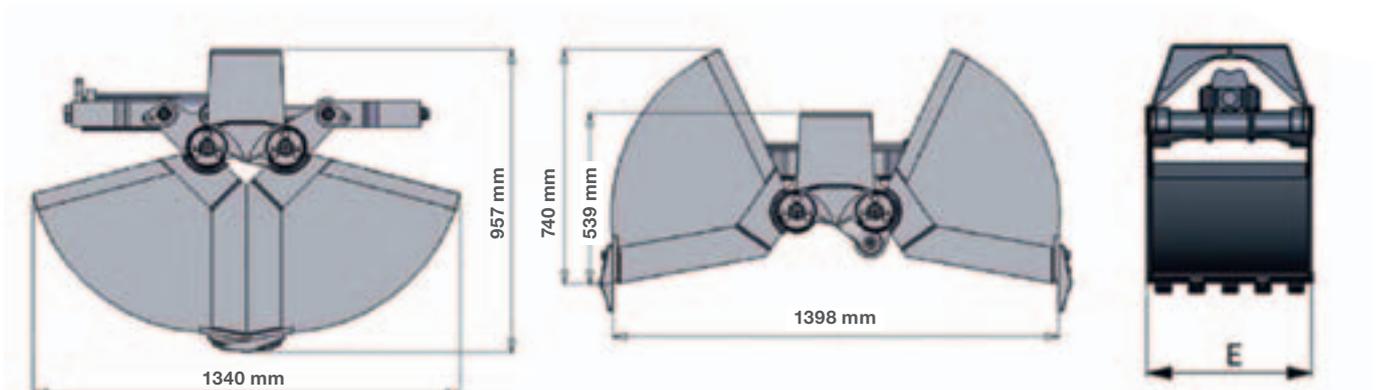


HIAB TCB 420L - 800L

Technical data	TCB 420L	TCB 500L	TCB 650L	TCB 800L
Package part no.*	339659	3396606	339661	3396622
Self weight (kg)	220	240	260	295
Volume (litres)	200	250	350	450
Max operating pressure (MPa)	25	25	25	25
Recommended oil flow (l/min)	50	50	50	50
Closing force (kN)	21	21	21	21
Max. load (kg)	2000	2000	2000	2000
Width (mm), E	420	500	650	800

*Package consists of: Clamshell Bucket, Rotator IVR 4.59, Adapter, Short upper link, Hose kit.

Technical drawing

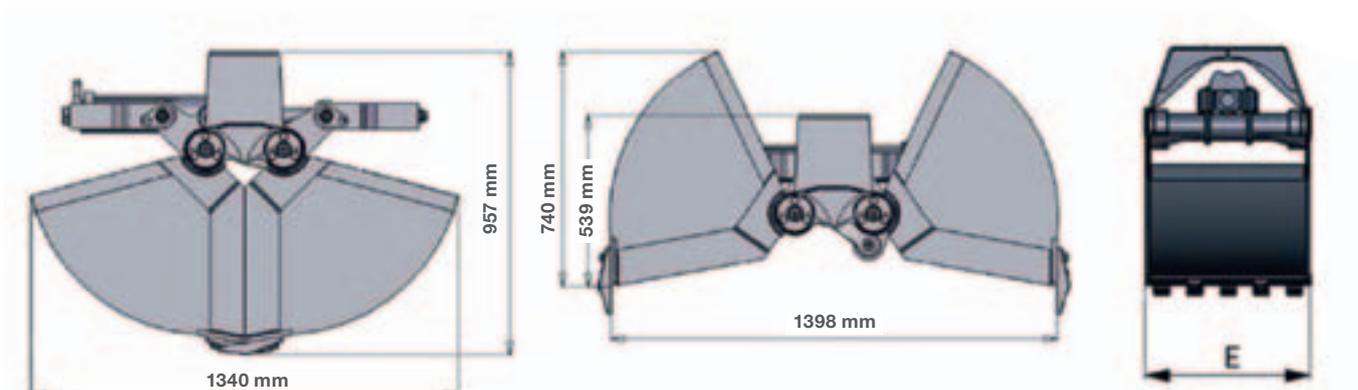


HIAB TCB 500 - 1000

Technical data	TCB 500	TCB 650	TCB 800	TCB 1000
Package part no.*	3396550	3396568	3396576	3396584
Self weight (kg)	320	344	368	398
Volume (litres)	250	350	450	550
Max operating pressure (MPa)	30	30	30	30
Recommended oil flow (l/min)	60	60	60	60
Closing force (kN)	28	28	28	28
Max. load (kg)	3000	3000	3000	3000
Width (mm), E	500	650	800	1000

*Package consists of: Clamshell Bucket, Rotator RX55.69, Adapter, Short upper link, Hose kit.

Technical drawing

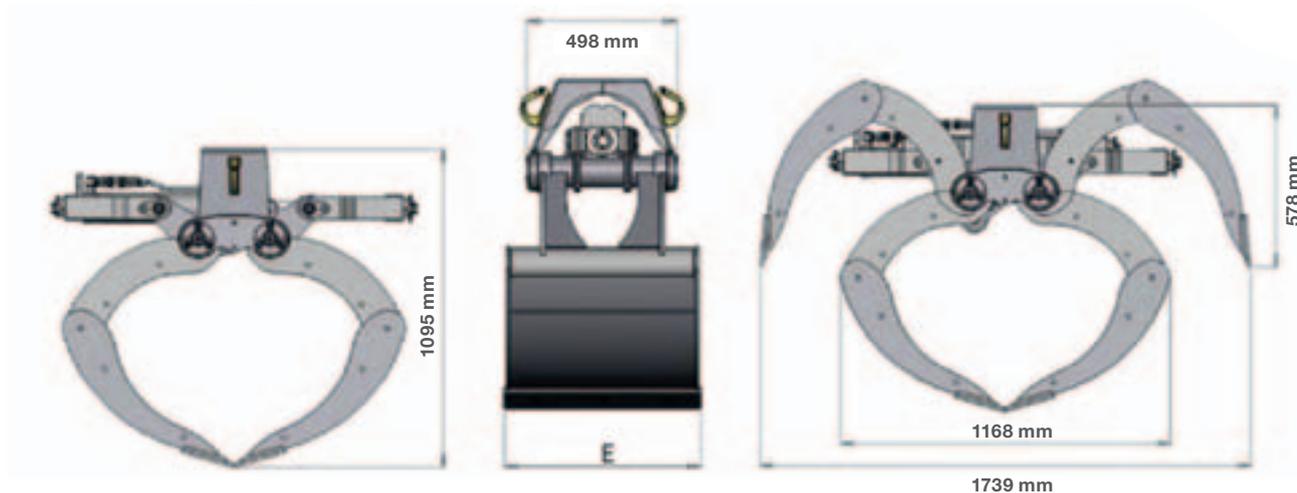


HIAB TGO 500 - 1200

Technical data	TGO 650	TGO 800	TGO 1000	TGO 1200
Package part no.*	3397947	3397955	3397963	3397971
Self weight (kg)	340	370	405	440
Volume (litres)	300	400	500	600
Max operating pressure (MPa)	30	30	30	30
Recommended oil flow (l/min)	60	60	60	60
Closing force (kN)	25	25	25	25
Max. load (kg)	3000	3000	3000	3000
Width (mm), E	650	800	1000	1200

* Package consists of: Clamshell Bucket, Rotator RX 55.69, Adapter, Short upper link, Hose kit.

Technical drawing







HIAB GRAPPLES



REARRANGE, SORT AND COMPACT

Looking into what drives your grapple

The conventional way of driving a bucket or a grapple is by having one or two cylinders acting on a lever, transforming linear into turning motion on the axis. This is a robust – and over the years – well proven method.

You also have the possibility of using an HPXdrive. This drives the shells by means of a helix screw working two axles, on which the shells are mounted. The HPXdrive has many advantages. It is maintenance free, compact and robust, and gives you a constant closing force. It also

provides for the possibility of using different shells on the same drive – you can adapt from using a narrow bucket to a wide bucket, and on to a rock grab by simply loosening and tightening eight bolts. This is perfect when carrying out a wide range of different jobs during the same week. And of course, when your current shells finally wear out you need only order a new pair of shells – the HPXdrive will still keep going for a long time.

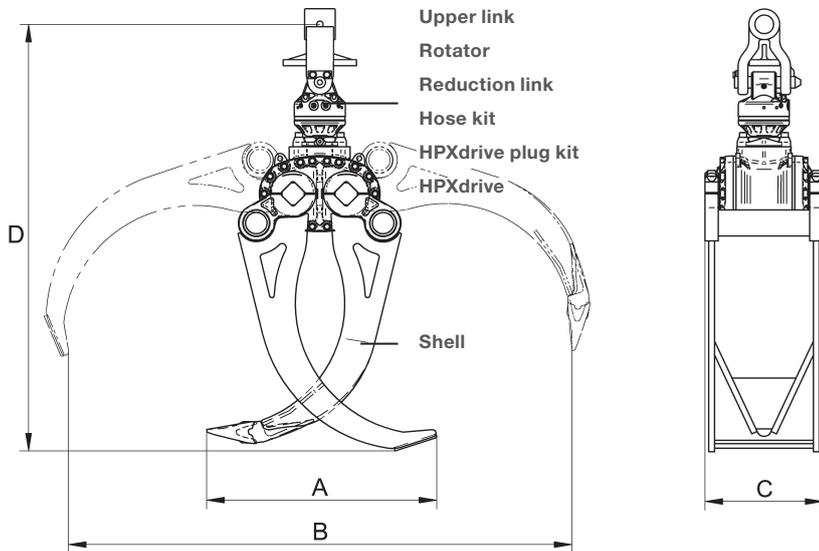
HIAB KM 613 HPX WITH HPXDRIVE

Technical data KM 613 HPX-	0.16 HPX Std	HP-0.35 HPX HD
Package incl. flange rotator (part no.)*	338 2095	338 3784
Package incl. shaft rotator (part no.)**	338 2109	338 3792
Volume (m3)	0.16	0.35
Span closed (mm), A	550	780
Span open (mm), B	1200	1710
Width (mm), C	400	400
Height (mm), D*	1145	1500
Height (mm), D**	1330	1580
Weight package (kg)*	210	310
Weight package (kg)**	215	315
Weight shell (kg)	70	125
Max. load (kg)	1000	2000
Closing force (kN)	18	22
Built-in Pressure Relief Valve (MPa)	26	No
Max. oil pressure (MPa)	-	32
Rec. oil flow (l/min)	25 - 75	40 - 90
Built-in Load Holding Valve	Yes	Yes

* Package consists of: KM 501 Long upper link, KM 04 F140-30V Rotator, HPXdrive Standard / HPXdrive Heavy Duty, KM 613 HPX Shell.

** Package consists of: KM 501 Long upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, HPXdrive plug kit, HPXdrive Standard / HPXdrive Heavy Duty, KM 613 HPX Shell.

Technical drawing



Accessories KM 613 HPX-	0.16 Part no.	HD-0.35 Part no.
KM 203 01 Hose kit (not needed for KM 04 F140-30V)	338 3342	338 3369
KM 613 HPX Shell	987 4984	987 5026
KM 685 06 Lifting hooks (2 pcs)	987 4607	987 4607
KM 685 06 Central lifting loop	338 6368	338 6376
KM 204 Hydraulic quick coupling, mobile (2 pcs)	338 6562	338 6589
KM 204 Hydraulic quick coupling to rotator, fixed (2 pcs)	338 6554	338 6554
KM 204 Hydraulic quick coupling to rotator, fixed kit	338 6635	338 6635
HPXdrive plug kit	338 5698	338 5698

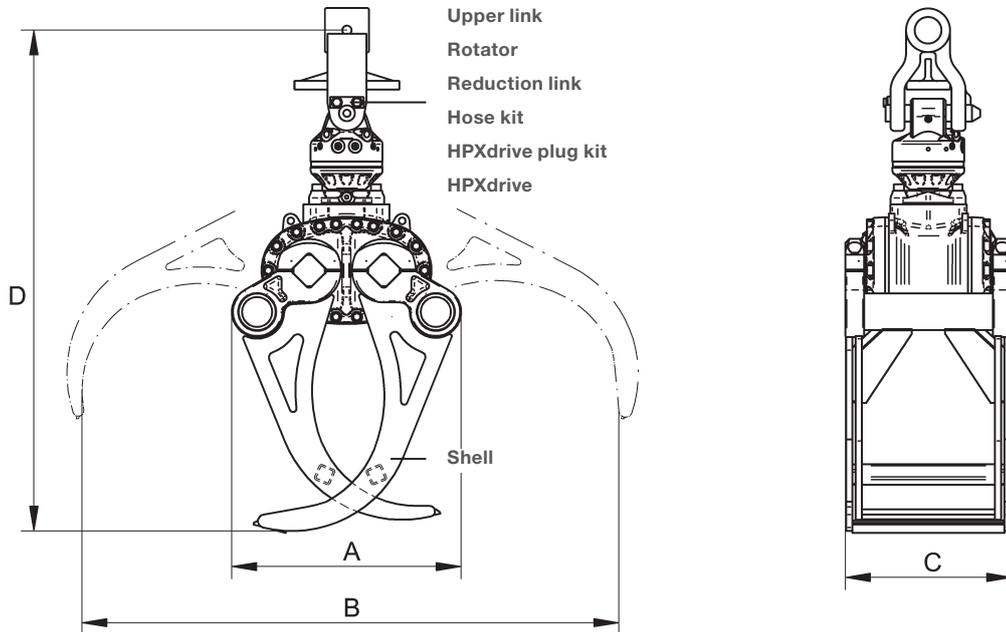
HIAB KM 632 HPX WITH HPXDRIVE

Technical data KM 632 HPX-	0.16 HPX Std	HD-0.16 HPX HD
Package incl. flange rotator (part no.)*	338 2117	338 3806
Package incl. shaft rotator (part no.)**	338 2125	338 3814
Volume (m ³)	0.16	0.16
Span closed (mm), A	550	550
Span open (mm), B	1220	1290
Width (mm), C	400	400
Height (mm), D*	1145	1250
Height (mm), D**	1330	1340
Weight package (kg)*	210	265
Weight package (kg)**	215	270
Weight shell (kg)	70	80
Max. load (kg)	1000	2000
Closing force (kN)	18	31
Built-in Pressure Relief Valve (MPa)	26	No
Max. oil pressure (MPa)	-	32
Rec. oil flow (l/min)	25 - 75	40 - 90
Built-in Load Holding Valve	Yes	Yes

* Package consists of: KM 501 Long upper link, KM 04 F140-30V Rotator, HPXdrive Standard / HPXdrive Heavy Duty, KM 632 HPX Shell.

** Package consists of: KM 501 Long upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, HPXdrive plug kit, HPXdrive Standard / HPXdrive Heavy Duty, KM 632 HPX Shell.

Technical drawing



Accessories KM 632 HPX-	0.16 Part no.	HD-0.16 Part no.
KM 203 01 Hose kit (not needed for KM 04 F140-30V)	338 3342	338 3369
KM 632 HPX Shell	987 4992	987 5034
KM 685 06 Central lifting loop	338 6368	338 6376
KM 204 Hydraulic quick coupling, mobile (2 pcs)	338 6562	338 6589
KM 204 Hydraulic quick coupling to rotator, fixed (2 pcs)	338 6554	338 6554
KM 204 Hydraulic quick coupling to rotator, fixed kit	338 6635	338 6635
HPXdrive plug kit	338 5698	338 5698

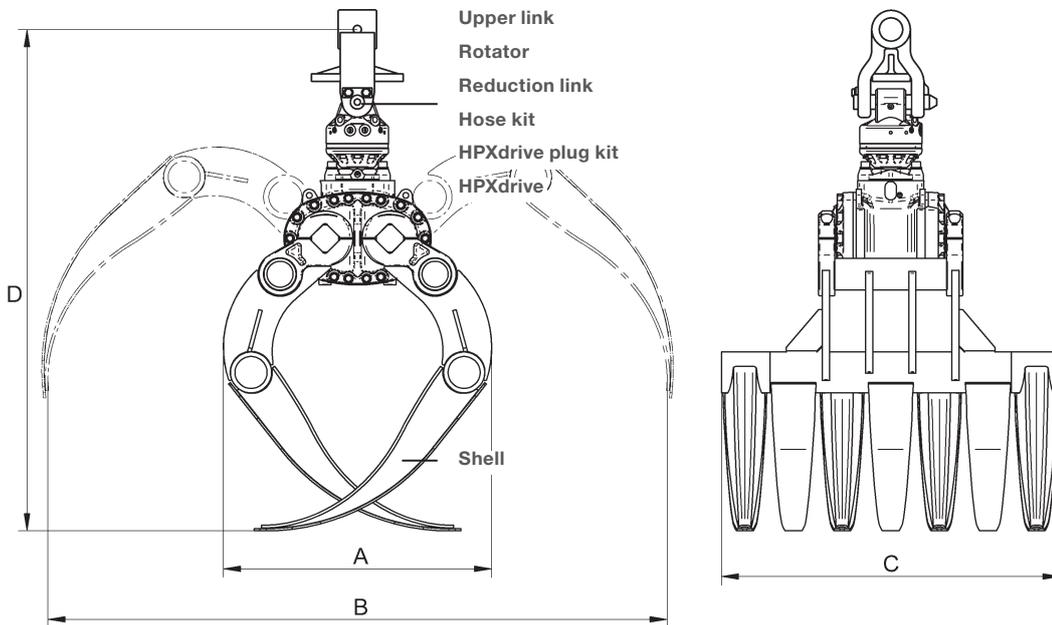
HIAB KM 641 HPX WITH HPXDRIVE

Technical data KM 641 HPX-	0.2 HPX Std	0.4 HPX Std	HD-0.4 HPX HD
Package incl. flange rotator (part no.)*	338 3598	338 3610	338 3822
Package incl. shaft rotator (part no.)**	338 3601	338 3628	338 3831
Volume (m ³)	0.2	0.4	0.4
Span closed (mm), A	620	740	740
Span open (mm), B	1200	1695	1720
Width (mm), C	670	940	940
Height (mm), D*	1190	1430	1440
Height (mm), D**	1280	1520	1440
Weight package (kg)*	225	295	375
Weight package (kg)**	230	300	380
Weight shell (kg)	85	155	190
Max. load (kg)	1000	2000	2000
Closing force (kN)	18	14	23
Built-in Pressure Relief Valve (MPa)	26	26	No
Max. oil pressure (MPa)	-	-	32
Rec. oil flow (l/min)	25 - 75	25 - 75	40 - 90
Built-in Load Holding Valve	Yes	Yes	Yes

* Package consists of: KM 501 Long upper link, KM 04 F140-30V Rotator, HPXdrive Standard / HPXdrive Heavy Duty, KM 641 HPX Shell.

** Package consists of: KM 501 Long upper link, KM 502 Reduction link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, HPXdrive plug kit, HPXdrive Standard / HPXdrive Heavy Duty, KM 641 HPX Shell.

Technical drawing



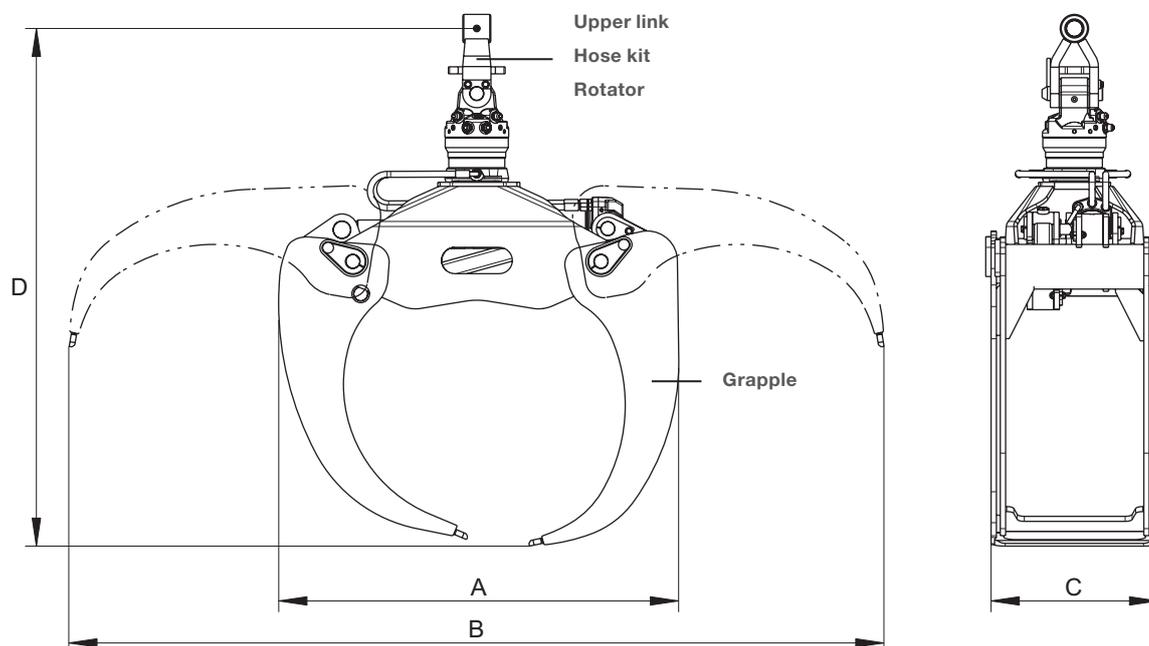
Accessories KM 641 HPX-	0.2 Part no.	0.4 Part no.	HD-0.4 Part no.
KM 203 01 Hose kit (not needed for KM 04 F140-30V)	338 3342	338 3342	338 3369
KM 641 HPX Shell	987 5000	987 5018	987 5042
KM 685 06 Central lifting loop	338 6368	338 6368	338 6376
KM 204 Hydraulic quick coupling, mobile (2 pcs)	338 6562	338 6562	338 6589
KM 204 Hydraulic quick coupling to rotator, fixed (2 pcs)	338 6554	338 6554	338 6554
KM 204 Hydraulic quick coupling to rotator, fixed kit	338 6635	338 6635	338 6635
HPXdrive plug kit	338 5698	338 5698	338 5698

HIAB KM 634 AND 634 S WITH CONVENTIONAL CYLINDER DRIVE

Technical data KM 634-	0.25	0.35	0.50
Package incl. flange rotator (part no.)*	339 1256	339 1264	339 1272
Volume (m ³)	0.25	0.35	0.50
Span closed (mm), A	850	980	980
Span open (mm), B	1470	1950	1985
Min. log diameter (mm)	Ø 90	Ø 135	Ø 170
Width (mm), C	420	495	500
Height (mm), D	1295	1440	1510
Weight package (kg)*	215	300	325
Weight shell (kg)	170	225	250
Max. load (kg)	4000	5000	5000
Closing force (kN)	13	16	15
Built-in Pressure Relief Valve (MPa)	24	24	24
Max. oil pressure (MPa)	32	32	32
Rec. oil flow (l/min)	25–75	25–75	25–75
Built-in Load Holding Valve	Yes	Yes	Yes

* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 06 F Rotator, KM 634 Grapple.

Technical drawing



Accessories KM 634-	0.25 Part no.	0.35 Part no.	0.50 Part no.
KM 203 01 Hose kit	339 1311	339 1311	339 1311
KM 634 Grapple	339 1281	339 1299	339 1302



HIAB HYDRAULIC PUMPS & OIL TANKS

Pumps and tanks

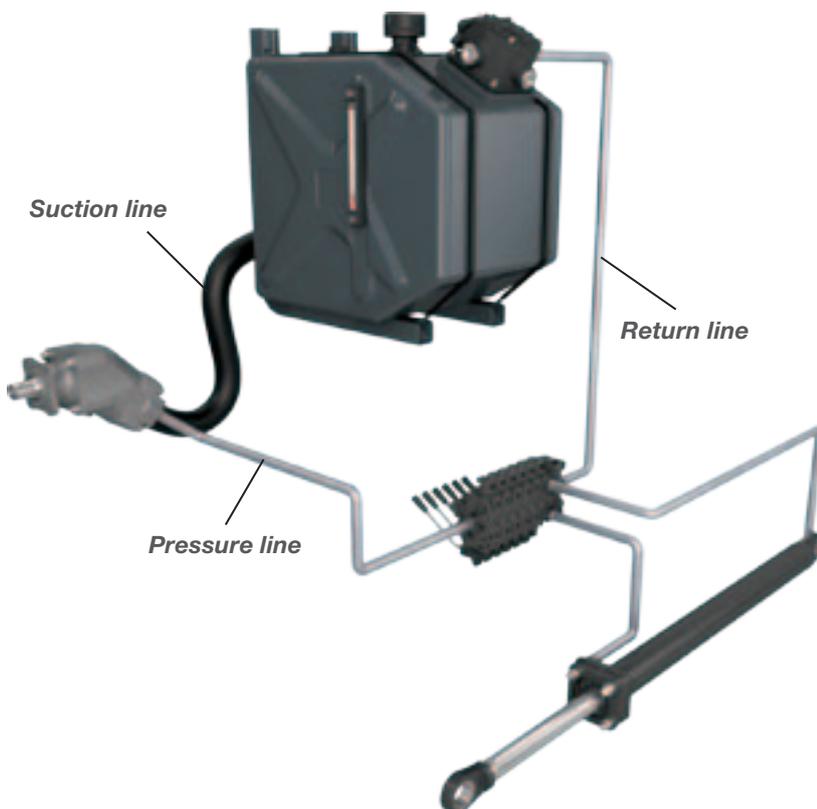
The size of the oil tank required depends on a number of factors:

- The size and type of crane (for miscellaneous goods, forestry or recycling)
- If the crane uses hydraulic tools or just a hook
- If it has a load-sensing or fixed pump system
- If an oil cooler is fitted
- The climate in which the crane is to be used (North or South Europe, North America, Asia etc).

When using only hooks a general principle is that the net volume of the tank should not be less than 1.5 to 2 times the crane's recommended oil flow. For a crane with hydraulic tools and/or a jib the size correspondence should be 2.0 to 2.5. When considering a pump it is important to choose the correct direction of rotation – which, in turn, depends on the direction of rotation of the power supply. The rotation of

the power supply can be seen inside the output flange, or, for a pump on the “out” axle. Markings for the direction of rotation are – “R” for right and “L” for left – and are clearly visible when looking at the end of an axle. Rotation of the pump and power supply have to have opposite directions. In other words, when the power supply is marked “R” the pump must be marked “L” in order to match.

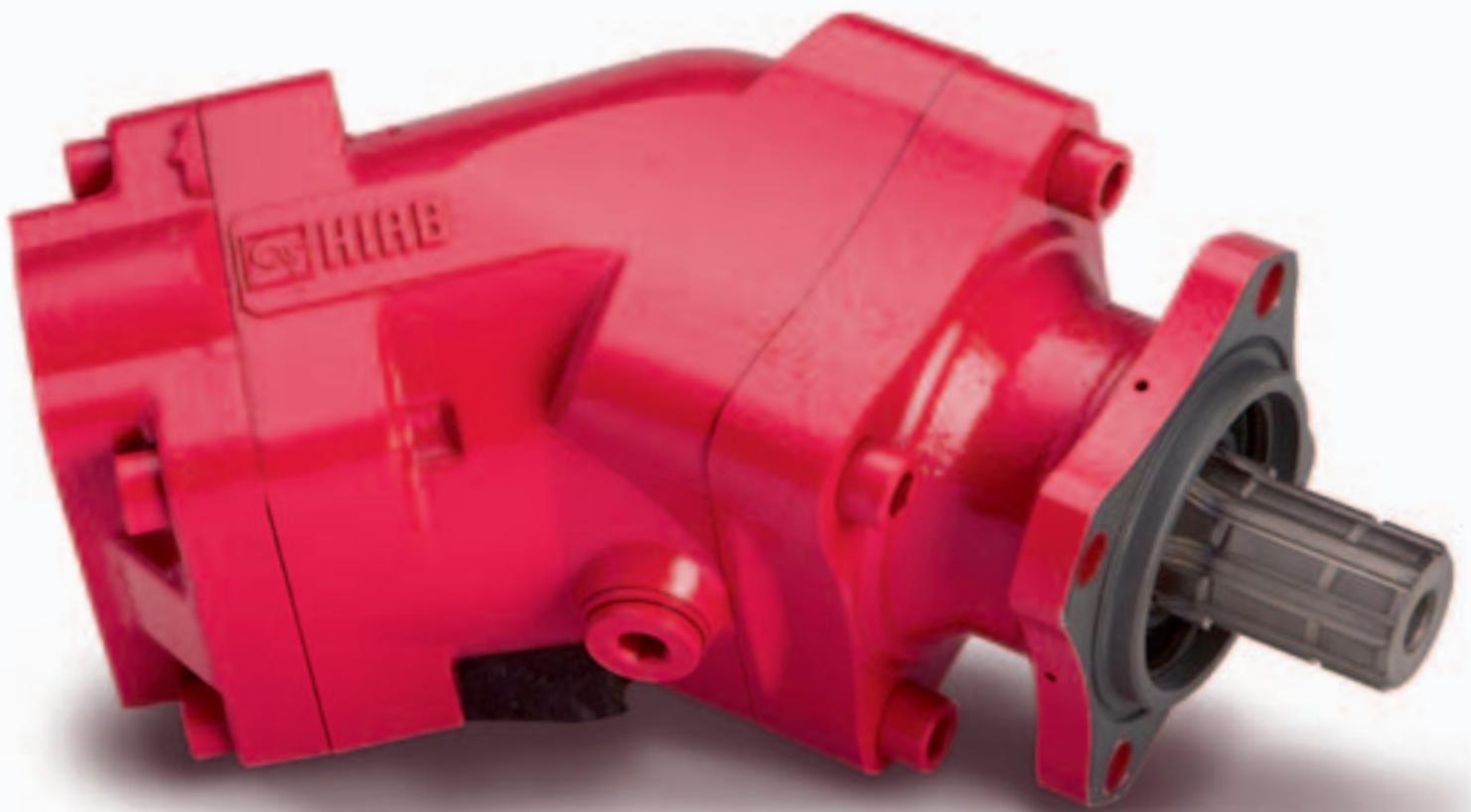
The robust roller bearing unit in fixed pumps permits direct fitting on the motor-driven power supply without the need for a supportive roller bearing unit. For our variable pumps SVH, A18VO and VP1 we recommend a power supply fitted with a supportive roller bearing unit. In addition the high tare-weight torque of variable pumps often require support for the pump. All our pumps with denotation SVH or A18VO require having a pressure relief valve installed. This is not a requirement for other pumps but, we recommend that a pressure relief valve should be installed.



A hydraulic cycle

There are five lines in variable pump systems: suction, pressure, return, load-sensing and drainage. In fixed pump systems three lines are connected: suction, pressure and return. In dual pump systems four lines are connected: suction, pressure, return and drainage.

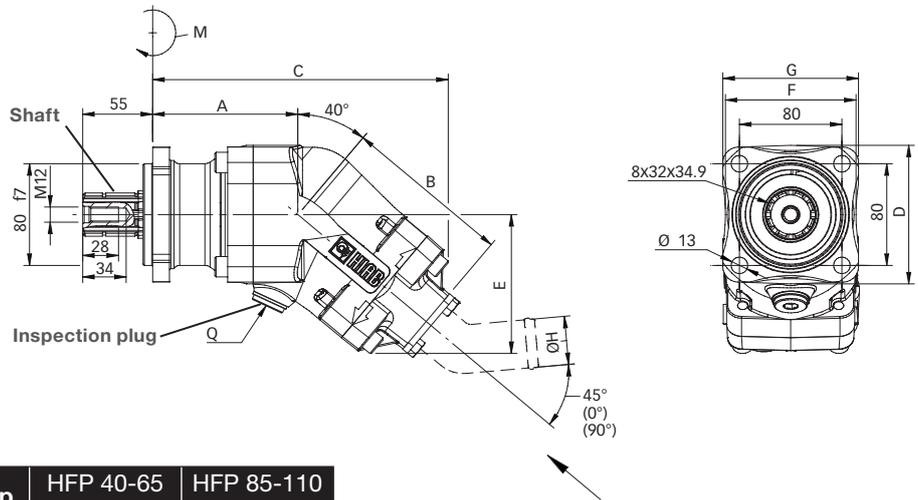
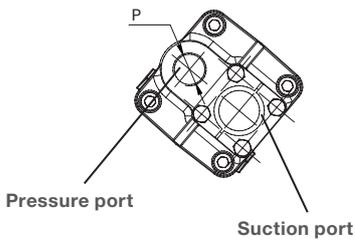
HIAB FIXED PUMPS



HIAB FIXED PUMPS HFP 40-110

Technical data	HFP 40	HFP 50	HFP 55	HFP 65	HFP 85	HFP 110
Part no.	3397718	3397742	3397751	3397769	3397777	3397785
Shaft type	DIN 5462 ISO 7653-D					
Theoretical oil flow at pump speed (rpm) (lit/min) 500	20.6	23.5	28.0	31.8	41.5	54.0
Theoretical oil flow at pump speed (rpm) (lit/min) 1000	41.2	47.1	56.0	63.6	83.6	108.0
Theoretical oil flow at pump speed (rpm) (lit/min) 1500	61.8	70.6	84.0	95.4	125.4	162.0
Displacement (cm ³ /rev)	41.2	47.1	56.0	63.6	83.6	108.0
Max pump speed continuous (rpm)	1900	1900	1900	1900	1500	1500
Max pump speed limited	2500	2500	2500	2500	2000	2000
Max working pressure (MPa)	40	40	40	40	40	40
Weight (kg)	11.7	11.7	11.7	11.7	17.0	17.0
Dimensions (mm) A	113	113	113	113	123	123
Dimensions (mm) B	130	130	130	130	147	147
Dimensions (mm) C	228	228	228	228	259	259
Dimensions (mm) D	109	109	109	109	126	126
Dimensions (mm) E	109	109	109	109	126	126
Dimensions (mm) F	99	99	99	99	115	115
Dimensions (mm) G	106	106	106	106	123	123
Dimensions (mm) H	38	38	38	38	50	50
Dimensions ISO G P	3/4	3/4	3/4	3/4	1	1
Dimensions ISO G Q	1/2	1/2	1/2	1/2	1/2	1/2
Tare-weight torque (Nm)	13	13	13	13	21	21
Direction of rotation	L/R	L/R	L/R	L/R	L/R	L/R

Technical drawing



Suction connection, hydraulic pump	HFP 40-65	HFP 85-110
	Part no.	Part no.
Suction connection, 38 mm (1 1/2") 450	983 8490	-
Suction connection, 50 mm (1 1/2") 450	985 8393	983 8481
Suction connection, 63 mm (1 1/2") 450	-	985 8407
Suction connection, 75 mm (1 1/2") 450	-	985 8415

Pressure connection	HFP 40-65	HFP 85-110
	Part no.	Part no.
R 3/4" x 1.16" JIC	998 8092	-
Seal Kit	982 8419	-
R 1" x 1.16" JIC	-	982 0469
Seal Kit	-	982 8505

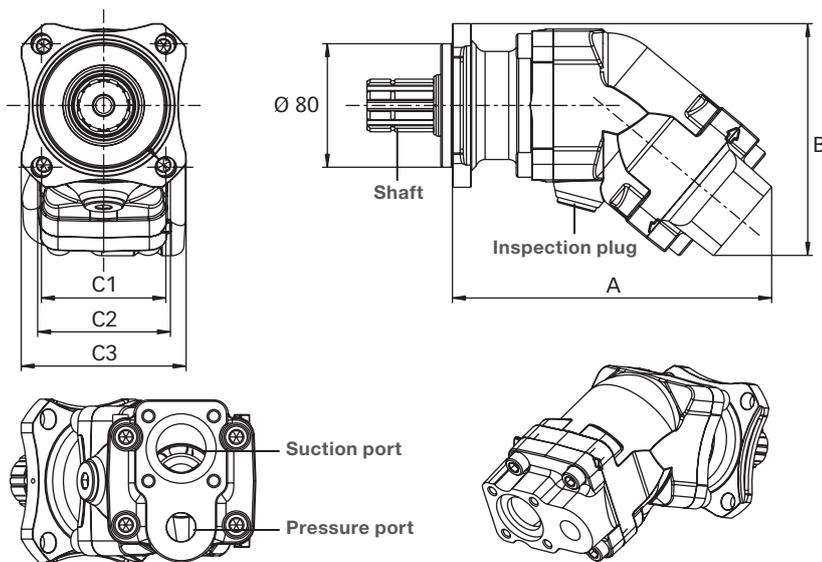
HIAB FIXED PUMPS SCP 12 – 34

Technical data	SCP 12	SCP 17	SCP 25	SCP 34
Part no.	985 8202	985 8211	983 8082	983 8091
Shaft type	DIN 5462, ISO 7653-D	DIN 5462, ISO 7653-D	DIN 5462, ISO 7653-D	DIN 5462, ISO 7653-D
Direction of rotation	CW / CCW	CW / CCW	CW / CCW	CW / CCW
Max. working pressure, continuous (MPa)	35	35	35	35
Max. working pressure, intermittent (MPa)	40	40	40	40
Displacement (cc / rev)	12	16	25	34
Capacity (l / min @ 1000 rpm)	12	16	25	34
Capacity (l / min @ 1500 rpm)	18	25	38	51
Max. speed (rpm)	2300	2300	2300	2300
Max. power required (kW)	26	35	52	70
Tare-weight torque (Nm)	6.9	6.9	7.4	7.4
Torque (Nm)	80	110	165	220
Weight (kg)	8.1	8.1	8.1	8.1
Length - from flange (mm), A	202	202	202	202
Height - total (mm), B	147	147	147	147
Distance - hole centres (mm), C1	80	80	80	80
Width - housing (mm), C2	97	97	97	97
Width - total, incl. flange (mm), C3	106	106	106	106
Suction port*	Ø 45	Ø 45	Ø 45	Ø 45
Pressure port*	ISO-G 3/4"	ISO-G 3/4"	ISO-G 3/4"	ISO-G 3/4"
Inspection plug**	ISO-G 1/2"	ISO-G 1/2"	ISO-G 1/2"	ISO-G 1/2"

* Suction and pressure connections are not included in the pump kit. Must be ordered separately.

** Drainage not required.

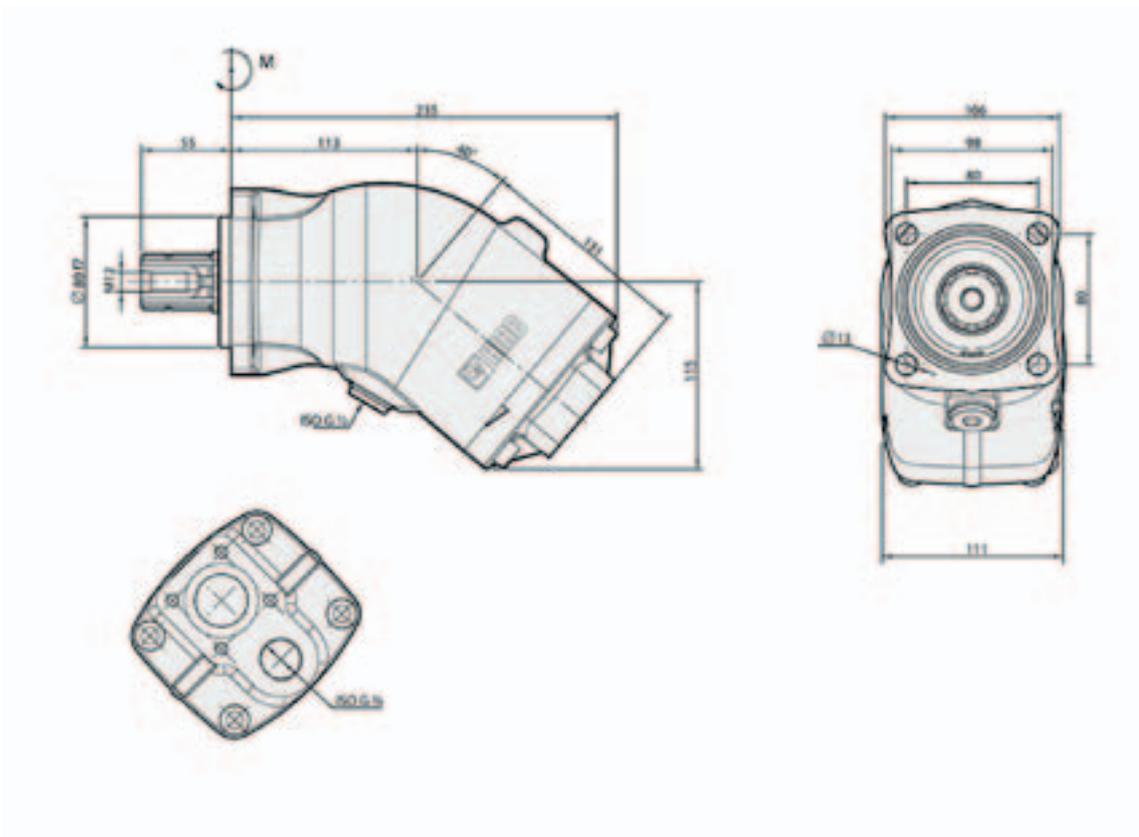
Technical drawing



HIAB FIXED ALUMINIUM PUMPS SAP 40-64

Technical data	SAP 40	SAP 47	SAP 56	SAP 64
Part no. (left rotation)	3398013	3398021	3398030	3398048
Part no. (right rotation)	3399249	3399257	3399265	3399273
Shaft type	DIN 5462 ISO 7653-D	DIN 5462 ISO 7653-D	DIN 5462 ISO 7653-D	DIN 5462 ISO 7653-D
Theoretical oil flow at pump speed (rpm) (lit/min) 500	20.6	23.5	28.0	31.8
Theoretical oil flow at pump speed (rpm) (lit/min) 1000	41.2	47.1	56.0	63.6
Theoretical oil flow at pump speed (rpm) (lit/min) 1500	61.8	70.6	84.0	95.4
Displacement (cm ³ /rev)	41.2	47.1	56.0	63.6
Max pump speed continuous (rpm)	1900	1900	1900	1900
Max pump speed limited	2500	2500	2500	2500
Max working pressure (MPa)	40	40	40	40
Weight (kg)	9.8	9.8	9.8	9.8
Dimensions ISO G P	3/4	3/4	3/4	3/4
Dimensions ISO G Q	1/2	1/2	1/2	1/2
Tare-weight torque (Nm)	13	13	13	13
Direction of rotation	L/R	L/R	L/R	L/R

Technical drawing



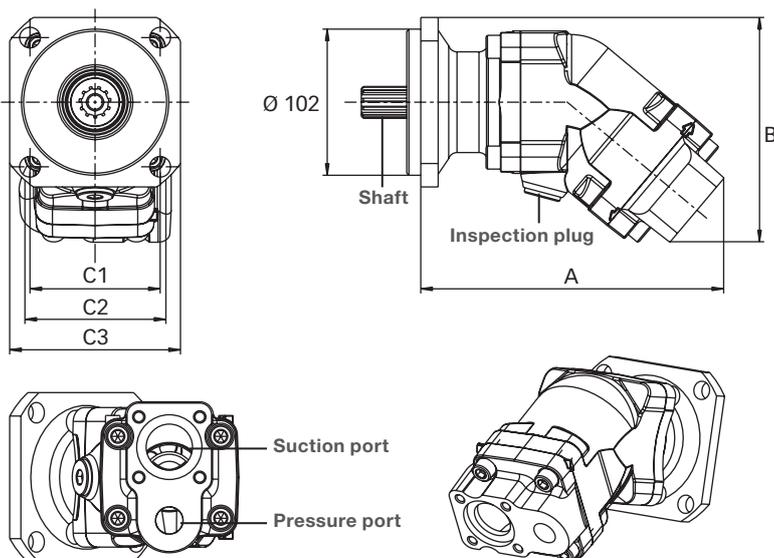
HIAB FIXED PUMPS SCP 5025 – SCP 5108

Technical data	SCP 5025	SCP 5034	SCP 5047	SCP 5064
Part no.	985 8199	985 8229	985 8237	985 8253
Shaft type	SAE B	SAE B	SAE B	SAE B
Direction of rotation	CW / CCW	CW / CCW	CW / CCW	CW / CCW
Max. working pressure, continuous (MPa)	35	35	35	30
Max. working pressure, intermittent (MPa)	40	40	40	35
Displacement (cc / rev)	25	34	47	64
Capacity (l / min @ 1000 rpm)	25	34	47	64
Capacity (l / min @ 1500 rpm)	38	51	71	96
Max. speed (rpm)	2300	2300	1900	1900
Max. power required (kW)	52	70	80	95
Tare-weight torque (Nm)	7.4	7.4	13.0	13.0
Torque (Nm)	165	220	300	355
Weight (kg)	8.9	8.8	12.3	12.2
Length - from flange (mm), A	209	209	235	235
Height - total (mm), B	156	156	168	164
Distance - hole centres (mm), C1	90	90	90	90
Width - housing (mm), C2	97	97	106	106
Width - total, incl. flange (mm), C3	118	118	118	118
Suction port*	Ø 45	Ø 45	Ø 45	Ø 45
Pressure port*	ISO-G 3/4"	ISO-G 3/4"	ISO-G 3/4"	ISO-G 3/4"
Inspection plug**	ISO-G 1/2"	ISO-G 1/2"	ISO-G 1/2"	ISO-G 1/2"

* Suction and pressure connections are not included in the pump kit. Must be ordered separately.

** Drainage not required.

Technical drawing

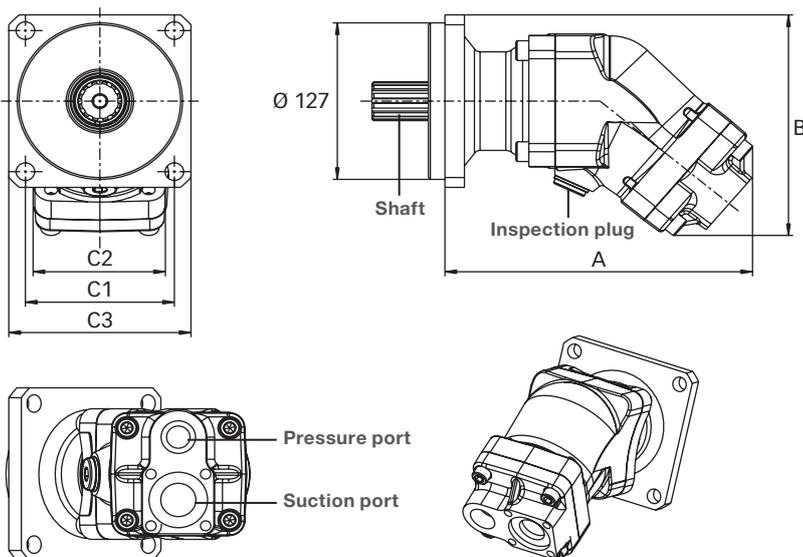


Technical data	SCP 5047	SCP 5064	SCP 5084	SCP 5108
Part no.	985 8245	985 8261	985 8270	985 8288
Shaft type	SAE C	SAE C	SAE C	SAE C
Direction of rotation	CW / CCW	CW / CCW	CW / CCW	CW / CCW
Max. working pressure, continuous (MPa)	35	35	35	35
Max. working pressure, intermittent (MPa)	40	40	40	40
Displacement (cc / rev)	47	64	84	108
Capacity (l / min @ 1000 rpm)	47	64	84	108
Capacity (l / min @ 1500 rpm)	71	96	125	162
Max. speed (rpm)	1900	1900	1500	1500
Max. power required (kW)	80	108	114	146
Tare-weight torque (Nm)	13	13	21	21
Torque (Nm)	300	405	535	690
Weight (kg)	14.3	14.1	19.0	19.0
Length - from flange (mm), A	237	237	262	262
Height - total (mm), B	179	179	200	200
Distance - hole centres (mm), C1	115	115	115	115
Width - housing (mm), C2	106	106	123	123
Width - total, incl. flange (mm), C3	140	140	140	140
Suction port*	Ø 45	Ø 45	Ø 58	Ø 58
Pressure port*	ISO-G 3/4"	ISO-G 3/4"	ISO-G 1"	ISO-G 1"
Inspection plug**	ISO-G 1/2"	ISO-G 1/2"	ISO-G 1/2"	ISO-G 1/2"

* Suction and pressure connections are not included in the pump kit. Must be ordered separately.

** Drainage not required.

Technical drawing



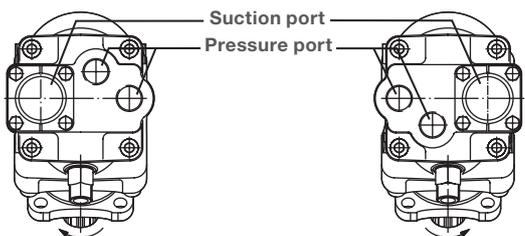
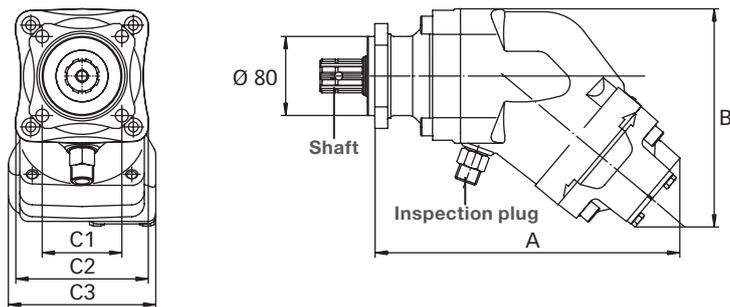
HIAB FIXED PUMPS SCP 56/26-L – SCP 9108-R

Technical data	SCP 56/26-L	SCP 56/26-R	SCP 75/75-L	SCP 75/75-R
Part no.	988 2090	988 2103	984 5542	984 5534
Shaft type	DIN 5462, ISO 7653-D			
Direction of rotation	CCW	CW	CCW	CW
Max. working pressure, continuous (MPa)	35	35	30	30
Max. working pressure, intermittent (MPa)	40	40	35	35
Displacement (cc / rev)	56+26	56+26	75+75	75+75
Capacity (l / min @ 1000 rpm)	82	82	150	150
Capacity (l / min @ 1500 rpm)	123	123	-	-
Max. speed (rpm)	1850	1850	1200	1200
Max. power required (kW)	98.4	98.4	105	105
Tare-weight torque (Nm)	21	21	32.6	32.6
Torque (Nm)	521	521	835	835
Weight (kg)	18	18	22.1	22.1
Length - from flange (mm), A	270	270	307	307
Height - total (mm), B	197	197	220	220
Distance - hole centres (mm), C1	80	80	80	80
Width - housing (mm), C2	126	126	133	133
Width - total, incl. flange (mm), C3	160	160	148	148
Suction port*	Ø 58	Ø 58	Ø 58	Ø 58
Pressure port*	ISO-G 3/4" (2x)	ISO-G 3/4" (2x)	ISO-G 3/4" (2x)	ISO-G 3/4" (2x)
Inspection plug**	ISO-G 3/4"	ISO-G 3/4"	ISO-G 3/4"	ISO-G 3/4"

* Suction and pressure connections are not included in the pump kit. Must be ordered separately.

** Drainage required.

Technical drawing



SCP 75/75-L

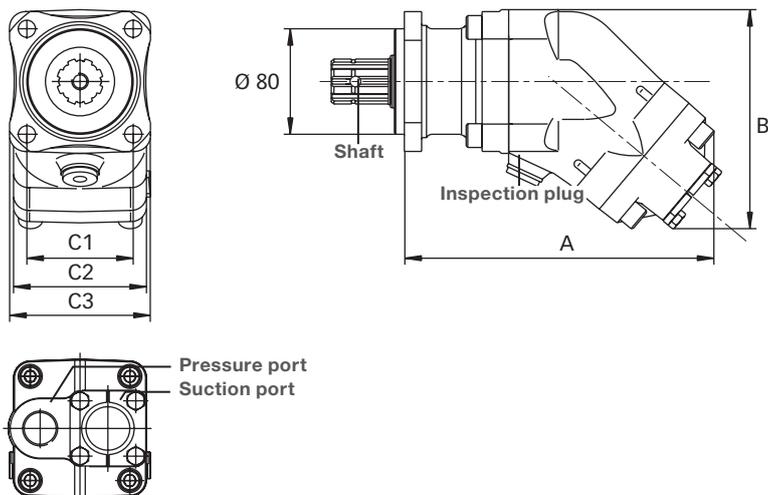
SCP 75/75-R

Technical data	SCP 9084-L	SCP 9084-R	SCP 9108-L	SCP 9108-R
Part no.	985 8296	985 8300	985 8318	985 8326
Shaft type	DIN 5462, ISO 7653-D			
Direction of rotation	CCW	CW	CCW	CW
Max. working pressure, continuous (MPa)	35	35	35	35
Max. working pressure, intermittent (MPa)	40	40	40	40
Displacement (cc / rev)	84	84	108	108
Capacity (l / min @ 1000 rpm)	84	84	108	108
Capacity (l / min @ 1500 rpm)	125	125	162	162
Max. speed (rpm)	1700	1700	1800	1800
Max. power required (kW)	125	125	170	170
Tare-weight torque (Nm)	21.0	21.0	21.0	21.0
Torque (Nm)	535	535	690	690
Weight (kg)	17.0	17.0	17.0	17.0
Length - from flange (mm), A	259	259	259	259
Height - total (mm), B	189	189	189	189
Distance - hole centres (mm), C1	80	80	80	80
Width - housing (mm), C2	115	115	115	115
Width - total, incl. flange (mm), C3	123	123	123	123
Suction port*	Ø 58	Ø 58	Ø 58	Ø 58
Pressure port*	ISO-G 1"	ISO-G 1"	ISO-G 1"	ISO-G 1"
Inspection plug**	ISO-G 1/2"	ISO-G 1/2"	ISO-G 1/2"	ISO-G 1/2"

* Suction and pressure connections are not included in the pump kit. Must be ordered separately.

** Drainage not required.

Technical drawing



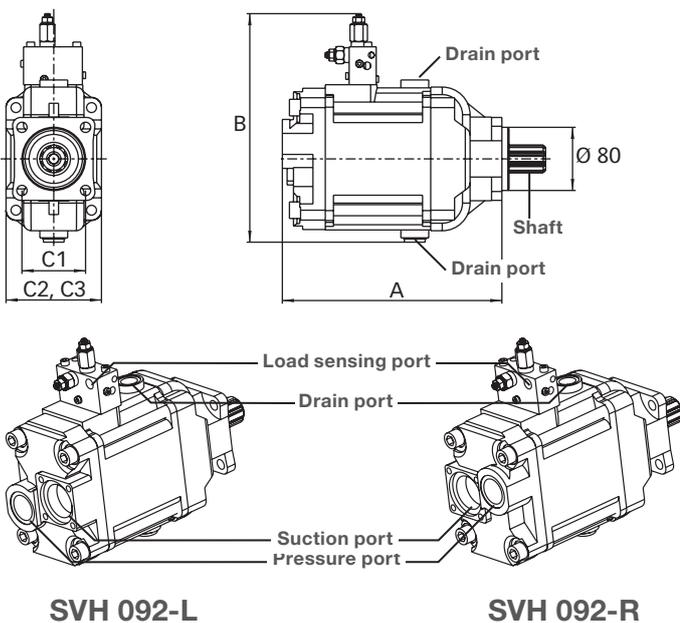
HIAB VARIABLE PUMPS SVH 092 – 130

Technical data	SVH 092-L	SVH 092-R	SVH 112-L	SVH 112-R	SVH 130-L	SVH 130-R
Part no.	338 9731	338 9723	338 9758	338 9740	339 8056	3398064
Shaft type	DIN 5462, ISO 7653-D					
Direction of rotation	CCW	CW	CCW	CW	CCW	CW
Max. working pressure, continuous (MPa)	35	35	35	35	40	40
Max. working pressure, intermittent (MPa)	40	40	40	40	45	45
Displacement (cc / rev)	92	92	112	112	130	130
Capacity (l / min @ 1000 rpm)	92	92	112	112	130	130
Capacity (l / min @ 1500 rpm)	138	138	168	168	195	195
Max. speed (rpm)	2400	2400	2200	2200	2100	2100
Max. power required (kW)	150	150	165	165	170	170
Tare-weight torque (Nm)	35.0	35.0	40.0	40.0	40.0	40.0
Torque (Nm)	530	530	600	600	700	700
Weight (kg)	25.8	25.8	28.1	28.1	31	31
Length - from flange (mm), A	277	277	279	279	269	269
Height - total (mm), B	289	289	295	295	289	289
Distance - hole centres (mm), C1	80	80	80	80	80	80
Width - housing (mm), C2	120	120	125	125	130	130
Width - total, incl. regulator (mm), C3	120	120	125	125	130	130
Suction port*	Ø 58					
Pressure port*	ISO-G 1"					
Load sensing port	ISO-G 1/4"					
Drain port**	ISO-G 3/4"					

* Suction and pressure connections are not included in the pump kit. Must be ordered separately.

** Drainage required.

Technical drawing



HIAB HYDRAULIC PUMPS – ACCESSORIES

Suction connection, hydraulic pump	SVH 092 – 112 Part no.
Suction connection, 50 mm (2") straight	338 9766
Suction connection, 50 mm (2") 45°	983 8481
Suction connection, 50 mm (2") 90°	338 9804
Suction connection, 63 mm (2 1/2") straight	338 9774
Suction connection, 63 mm (2 1/2") 45°	985 8407
Suction connection, 63 mm (2 1/2") 90°	338 9812
Suction connection, 75 mm (3") straight	338 9782
Suction connection, 75 mm (3") 45°	985 8415
Pressure relief valve	338 9901*

* A pressure relief valve must be fitted together with an SVH pump. Other pumpsystems do not require a pressure relief valve.
However, we recommend that one is fitted.

Suction connection, hydraulic pump	SCP 12 – 64, SCP 5025 – 5064 Part no.	SCP 84 – 108, SCP 5084 – 5108 Part no.
Suction connection, 38 mm (1 1/2") straight	339 0284	-
Suction connection, 38 mm (1 1/2") 45°	983 8490	-
Suction connection, 38 mm (1 1/2") 90°	339 0306	-
Suction connection, 50 mm (2") straight	339 0292	338 9766
Suction connection, 50 mm (2") 45°	985 8393	983 8481
Suction connection, 50 mm (2") 90°	339 0314	338 9804
Suction connection, 63 mm (2 1/2") straight	-	338 9774
Suction connection, 63 mm (2 1/2") 45°	339 3526	985 8407
Suction connection, 63 mm (2 1/2") 90°	-	338 9812
Suction connection, 75 mm (3") straight	-	338 9782
Suction connection, 75 mm (3") 45°	-	985 8415
Pressure relief valve	338 9901	338 9901

Suction connection, hydraulic pump	SCP 56/26 – 75/75 Part no.	SCP 9084 – 9108 Part no.
Suction connection, 50 mm (2") straight	338 9766	338 9766
Suction connection, 50 mm (2") 45°	983 8481	983 8481
Suction connection, 50 mm (2") 90°	338 9804	338 9804
Suction connection, 63 mm (2 1/2") straight	338 9774	338 9774
Suction connection, 63 mm (2 1/2") 45°	985 8407	985 8407
Suction connection, 63 mm (2 1/2") 90°	338 9812	338 9812
Suction connection, 75 mm (3") straight	338 9782	338 9782
Suction connection, 75 mm (3") 45°	985 8415	985 8415
Pressure relief valve	338 9901	338 9901

The table shows which items go together.

SVH 092 – 112
 SCP 12 – 84, SCP 5025 – 5064
 SCP 84 – 108, SCP 5084 – 5108
 SCP 56/26 – 75/75
 SCP 9084 – 9108

Pressure line (hydraulic pump → crane)					Part no.
Pressure hose without pressure relief valve, 2 m, ISO-G 3/4"		•		•	339 1434 ¹
Pressure hose without pressure relief valve, 2 m, ISO-G 3/4"		•		•	339 1442 ²
Pressure hose without pressure relief valve, 2 m, ISO-G 1"		•	•	•	339 1451 ³
Pressure hose without pressure relief valve, 2 m, ISO-G 1"		•	•	•	339 1469 ⁴
Pressure hose with pressure relief valve, 2 m, ISO-G 1"	•	•	•	•	339 1515 ⁴

¹⁾ For cranes up to XS 111 with tank at base. ²⁾ For cranes up to XS 111 with chassis tank.
³⁾ For cranes XS 122 -377 with tank at base. ⁴⁾ For cranes XS 122 -377 with chassis tank.

Load sensing hose (hydraulic pump ↔ crane)					Part no.
Load sensing hose, with 2 m hose	•				339 1507

Drainage hose (hydraulic pump → oil tank)					Part no.
Drainage hose, 2 m, ISO-G 3/4"	•			•	339 1477
Drainage hose, 2 m, ISO-G 1/4"					339 1485
Drainage hose, 2 m, ISO-G 3/8"					339 1493

Accessories information



Pressure relief valve
 Protects pump and hydraulic system from unintentional pressure peaks by dumping surplus oil into a tank when a pre-selected pressure is reached. The pre-selected pressure can be adjusted but the default setting is 42 MPa.



Suction connection
 Hiab offers a range of suction connections with various sizes and alignments to match the pump and position option chosen. A larger pump with greater oil-flow requires a larger suction connection. Suction and pressure connections are not included in the pump kit. Must be ordered separately.

HIAB OIL TANKS

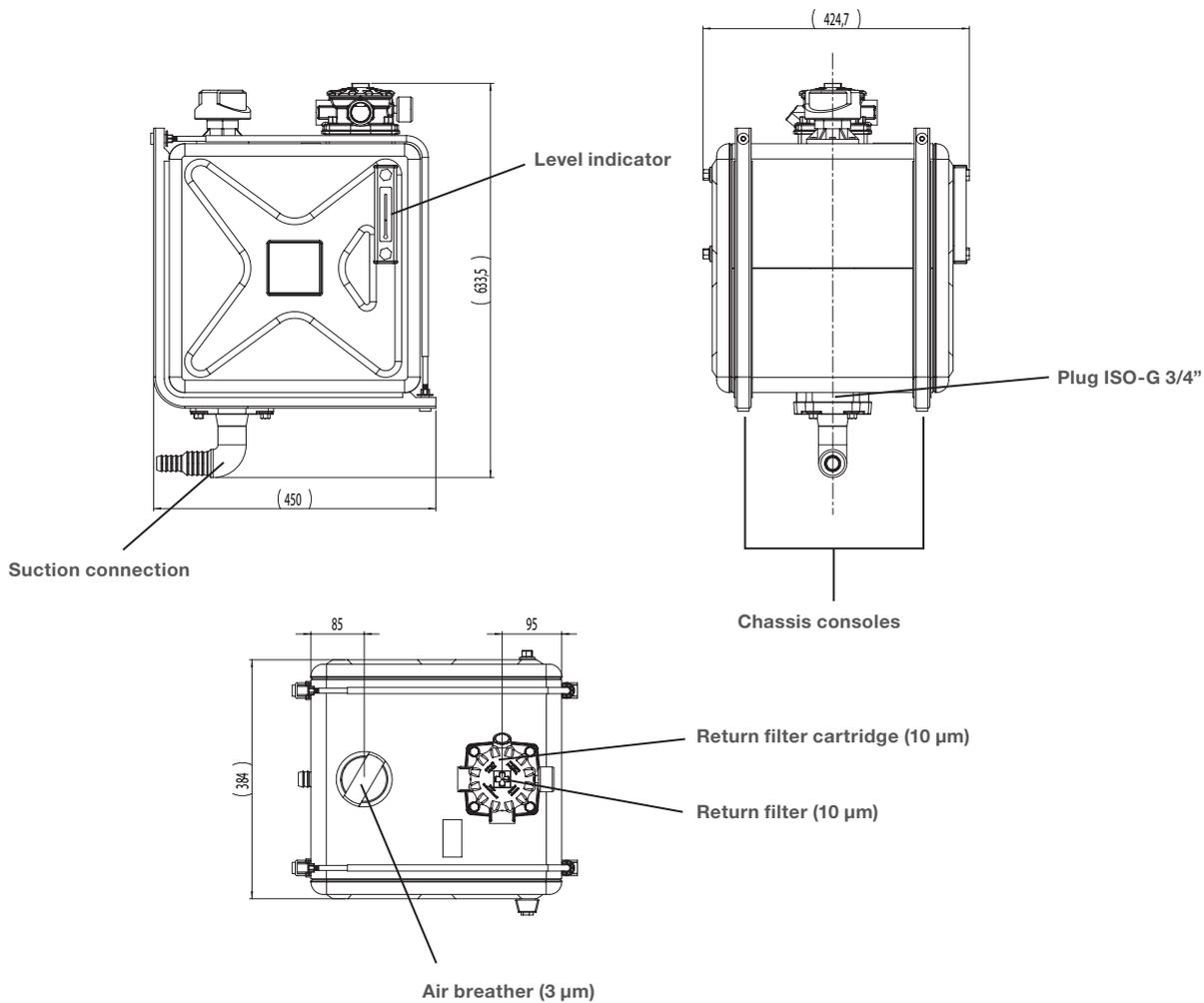


HIAB OIL TANKS 35-80 LITRE

Technical data	35	50	65	80
Power coated RAL 7021 (grey)	3395839	3395847	3395855	3395863
Electropolished stainless steel	3395871	3395880	3395898	3395901
Net volume (litres)	35	50	65	80
Gross volume (litres)	45	69	85	100
Tank size – width (mm)	335	425	525	615
Weight (kg)	18	20	22	24
Return line filter capacity (l/min)	180	180	180	180
Filtration absolute	10	10	10	10
Return line filter inlet	2 pcs ISO-G 1"			
Return line filter outlet	SAE 3" to Ø 25 mm (1") and 37 mm (1 1/2")	SAE 3" to Ø 25 mm (1") and 37 mm (1 1/2")	SAE 3" to Ø 25 mm (1") and 37 mm (1 1/2")	SAE 3" to Ø 25 mm (1") and 37 mm (1 1/2")

All tanks are delivered with: Return filter, Level indicator, Air breather, Chassis consoles, Plugs for oil tank, Suction connection.

Technical drawing

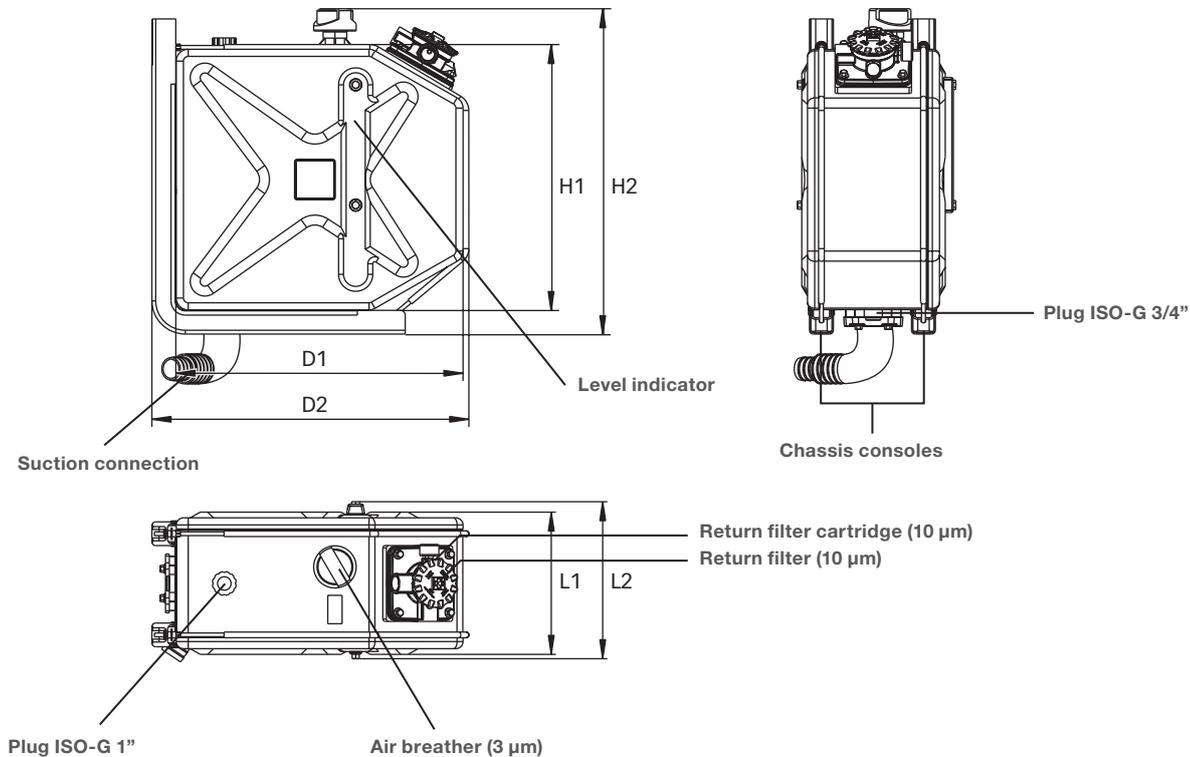


HIAB OIL TANKS 75-100 LITRE

Technical data	75	100	100
Steel, powder coated (grey)	3391558	3391566	3391574
Stainless steel, electropolished	-	3391736	3391744
Aluminium	3397025	3395073	3395081
Net volume (litres)	75	100	100
Gross volume (litres)	95	125	125
Tank size - H1 / D1 / L1 (mm)	550 / 600 / 300	550 / 600 / 425	550 / 600 / 425
Tank size, total (mm)	690 / 665 / 330	690 / 665 / 455	690 / 665 / 455
Weight (kg) steel / stainless steel / aluminium	5 / - / 28	37 / 40 / 30	39 / 42 / 32
Return line filter capacity (l/min)	180	180	280
Filtration absolute	10	10	10
Return line filter inlet	2 pcs ISO-G 1"	2 pcs ISO-G 1"	1 pc ISO-G 1" and 2 pcs ISO-G 1 1/2"
Return line filter outlet	SAE 3" for Ø 50 (2") and Ø 63 (2 1/2")	SAE 3" for Ø 50 (2") and Ø 63 (2 1/2")	SAE 3" for Ø 50 (2") and Ø 63 (2 1/2")

All tanks are delivered with: Return filter, Level indicator, Air breather, Chassis consoles, Plugs for oil tank, Suction connection.

Technical drawing

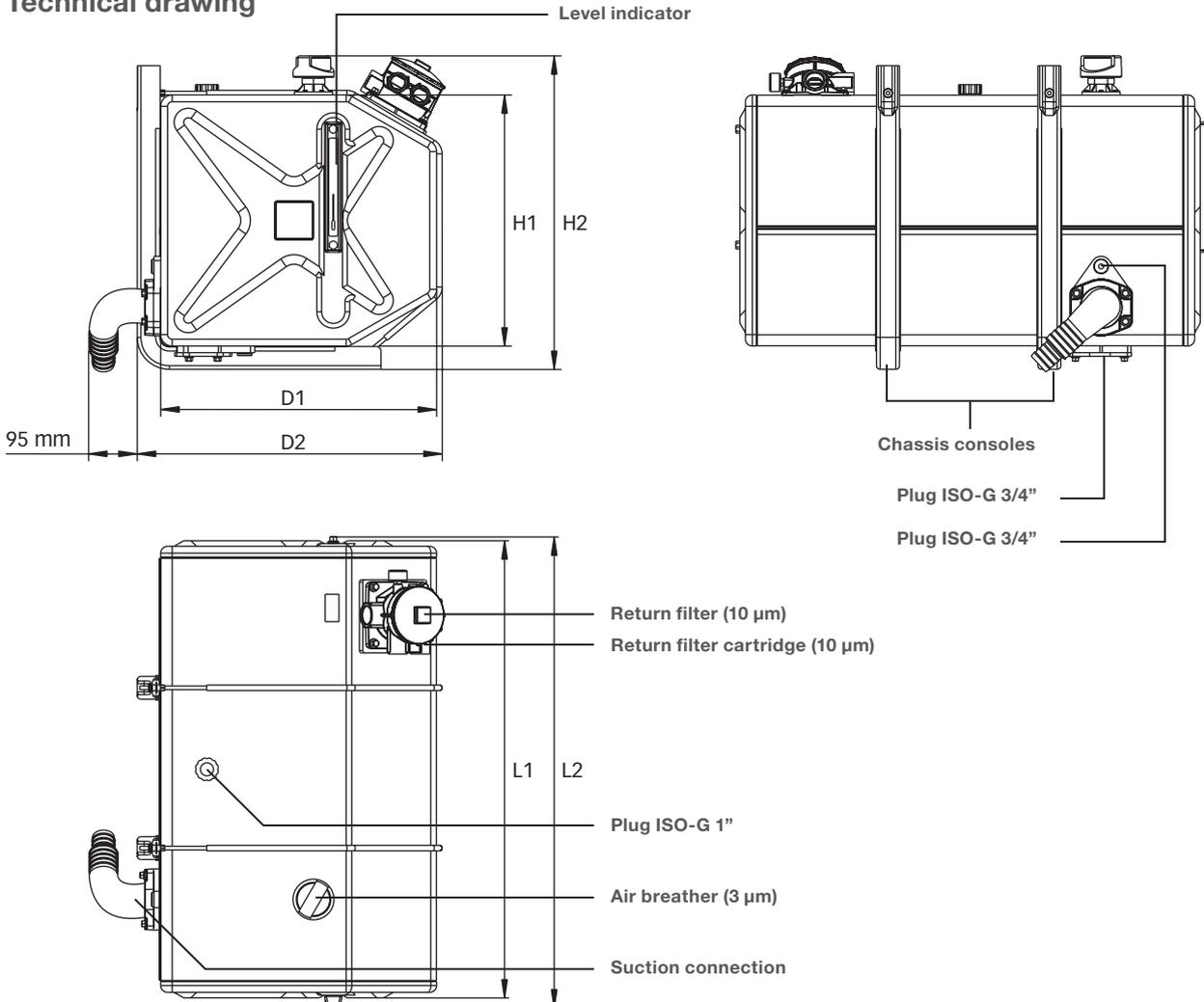


HIAB OIL TANKS 150-400 LITRE

Technical data	150	150	200	250	300	400
Steel, powder coated (grey)	3391582	3391591	3391604	3391612	3391621	3391710
Stainless steel, electropolished	3391639	3391647	3391655	3391663	3391671	3391728
Aluminium	3395090	3395103	3395111	3395120	3395138	-
Net volume (litres)	150	150	200	150	300	400
Gross volume (litres)	185	185	240	50	340	455
Tank size - H1 / D1 / L1 (mm)	550/600/620	550/600/620	550/600/795	550/600/1000	550/600/1125	550/600/1450
Tank size, total (mm)	690/665/650	690/665/650	690/665/825	690/665/1030	690/665/1155	690/665/1481
Weight (kg) steel / stainless steel / aluminium	43/47/34	45/49/36	50/57/40	54/63/43	63/74/50	73/87/-
Return line filter capacity (l/min)	180	280	280	280	280	280
Filtration absolute	10	10	10	10	10	10
Return line filter inlet	2 pcs ISO-G 1"	1 pc ISO-G 1" and 2 pcs ISO-G 1 1/2"	1 pc ISO-G 1" and 2 pcs ISO-G 1 1/2"	1 pc ISO-G 1" and 2 pcs ISO-G 1 1/2"	1 pc ISO-G 1" and 2 pcs ISO-G 1 1/2"	1 pc ISO-G 1" and 2 pcs ISO-G 1 1/2"
Return line filter outlet	SAE 3" for Ø 50 (2") and Ø 63 (2 1/2")	SAE 3" for Ø 50 (2") and Ø 63 (2 1/2")	SAE 3" for Ø 50 (2") and Ø 63 (2 1/2")	SAE 3" for Ø 50 (2") and Ø 63 (2 1/2")	SAE 3" for Ø 50 (2") and Ø 63 (2 1/2")	SAE 3" for Ø 50 (2") and Ø 63 (2 1/2")

All tanks are delivered with: Return filter, Level indicator, Air breather, Chassis consoles, Plugs for oil tank, Suction connection.

Technical drawing

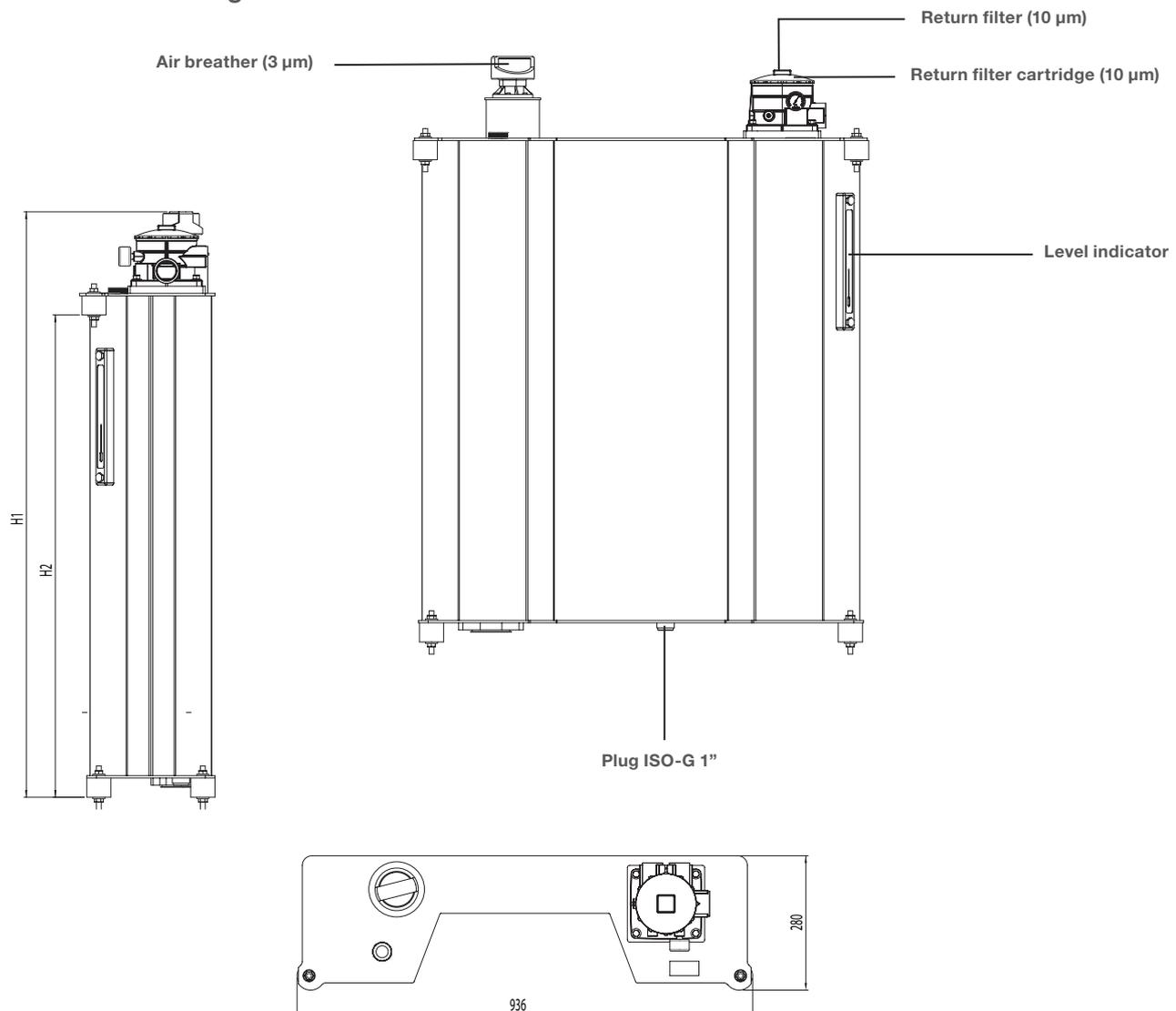


HIAB OIL TANKS FOR MOUNTING BEHIND CABIN

Technical data	155	200
Steel, powder coated (grey)	MU111456001	3396517
Stainless steel, electropolished	MU111456002	3396525
Net volume (litres)	155	200
Tank size - height incl. filter (mm) H1	1230	1500
Tank size - height excl. filter (mm) H2	1005	1255
Return line filter capacity (l/min)	180	180
Filtration absolute	10	10
Return line filter inlet	1st ISO-G 1" and 2st ISO-G 1"	1st ISO-G 1" and 2st ISO-G 1"
Return line filter outlet	SAE 3" to Ø 50 (2") and 63 (2")	SAE 3" to Ø 50 (2") and 63 (2")

All tanks are delivered with: Return filter, Level indicator, Air breather, Chassis consoles, Plugs for oil tank, Suction connection.

Technical drawing



HIAB CONFORMAL OILTANKS

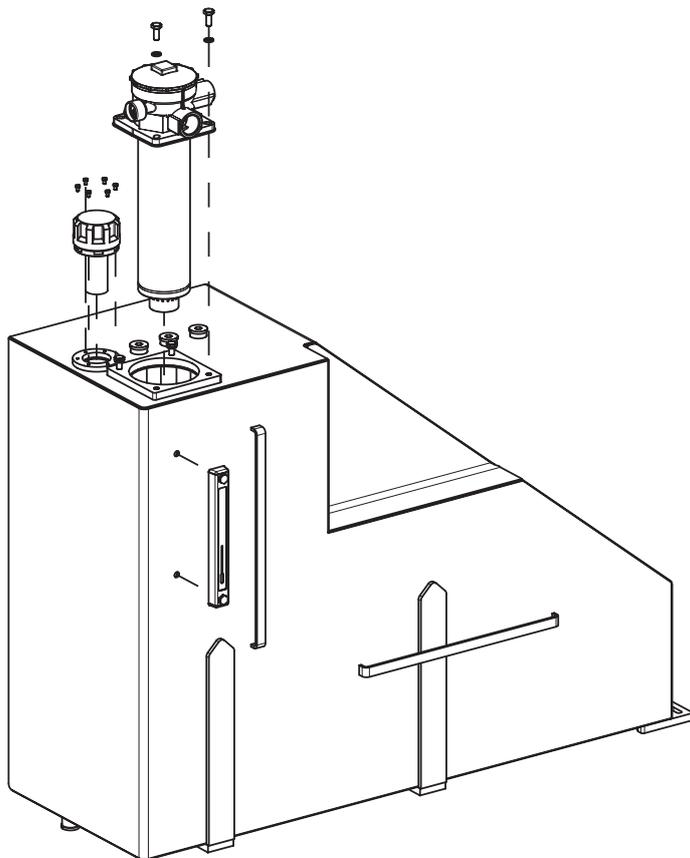
Suitable for: XS211, XS244, XS288, XS322 and XS377	Steel	Aluminium	Stainless steel
120 litre	593-7337	594-0630	594-5101
180 litre	593-7272	593-8066	594-5291
240 litre	593-7001	593-8911	593-9101

Suitable for: XS422 and XS477	Steel	Aluminium	Stainless steel
200 litre	594-7981	594-0800	594-1407
240 litre	594-8872	594-0729	594-5470

Suitable for: XS544, XS622, XS855 and XS1055	Steel	Aluminium	Stainless steel
200 litre	593-7825	594-1202	594-1300
260 litre	593-7094	593-6985	594-1555
400 litre	593-7906	594-0885	594-1601

All tanks are delivered with: Return filter, Level indicator, Air breather, Chassis consoles, Plugs for oil tank, Suction connection.

Technical drawing



HIAB OIL TANKS – ACCESSORIES & SPARE PARTS

Accessories for tank connection. The table shows which items go together.

Suction connection (oil tank)	Chassis mounted tank	Crane base mounted tank	Part no.
Suction connection 38 mm (1 1/2") straight	•	•	338 5639
Suction connection 50 mm (2") + 63 mm (2 1/2") straight	•	•	338 5647
Suction connection 75 mm (3") straight	•		338 5655
Suction connection 38 mm (1 1/2") 90°	•		338 5663
Suction connection 50 mm (2") + 63 mm (2 1/2") 90°	•		337 5919
Suction connection 75 mm (3") 90°	•		338 5671

Suction hose (oil tank to hydraulic pump)	Chassis mounted tank	Crane base mounted tank	Part no.
Suction connection with built-in ball valve (2")	•		339 6495
Suction connection with built-in ball valve (2.2")	•		339 6509
Suction hose without shut-off ball valve, 2 m, Ø 38 mm (1 1/2")	•	•	339 1396
Suction hose without shut-off ball valve, 2 m, Ø 50 mm (2")	•	•	339 1400
Suction hose without shut-off ball valve, 2 m, Ø 63 mm (2 1/2")	•		339 1418
Suction hose without shut-off ball valve, 2 m, Ø 75 mm (3")	•		339 1426

Additional accessories (optional)	Chassis mounted tank	Crane base mounted tank	Part no.
Chassis console	•		338 5612
Air breather (3 µm) incl. 1.5 m hose	•		338 5621
Anti-whirl device, for 75 l	•		338 7208
Anti-whirl device, for 100–300 l	•		338 7194
Plug, 1" for filter housing	•	•	995 0800
Plug, 1 1/2" for filter housing	•		995 0826
Seal, 1" for filter housing	•	•	993 9377
Seal, 1 1/2" for filter housing	•		993 9393
Preheater for Oil tank 150W 24V	•		339 5022
Preheater for Oil tank 200W 24V	•		339 5031

Spare parts	Part no.
Return filter (10 µm), 90 l/min complete with housing, ISO-G 1" (2x)	986 8810
Return filter (10 µm), 140 l/min complete with housing, ISO-G 1" (2x) + ISO-G 1 1/4" (1x)	986 8828
Return filter (10 µm) for crane tank, 55 l/min complete with housing, ISO-G 1" (2x)	986 8801
Return filter (10 µm) for crane tank, 90 l/min complete with housing, ISO-G 1" (2x)	986 8887
Return filter cartridge (10 µm), 220 l/min	986 8909
Return filter cartridge (10 µm), 440 l/min	986 7601
Air breather (3 µm), complete	339 6126
Level indicator, 127 mm	998 4208
Level indicator, 254 mm	998 4216

HIAB PALLET FORKS



HANDLE PALLETIZED GOODS

Main pallet fork features

Handling loads with a pallet fork has a number of advantages. Above all a pallet fork is less expensive than the main alternative – a brick grab. Also, since the load is palletized and lifted from underneath, it is possible to lift many different types of loads, both soft and flexible loads as well as solid ones. In addition, some pallet fork models can just be hooked on, without a rotator or hydraulic connection. The

various types of pallet forks available differ essentially from each other in three ways: the weight of loads they can handle, how the centre of gravity is controlled and the way prong spread is adjusted. What affects your choice of pallet fork is the loads you need to handle and how flexible you want to be. We recommend that you give purchasing a pallet fork careful consideration before coming to a final decision.



HIAB KM 401

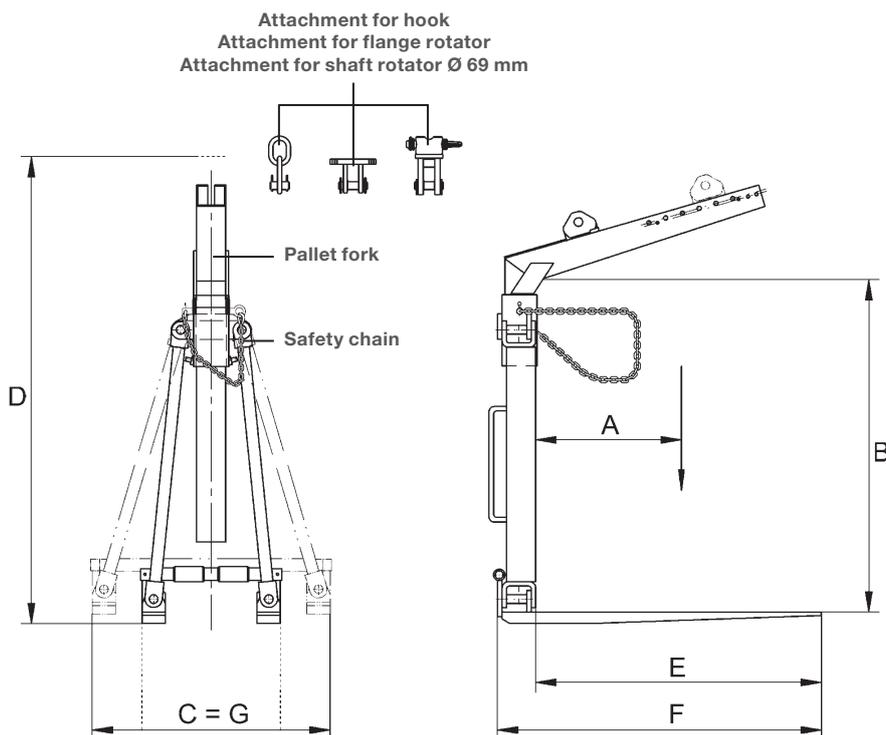
Technical data KM 401-	1500-500	1500-600	2000-500	2000-600
Package for hook (part no.)*	338 2486	338 2516	338 2541	338 2575
Package for flange rotator (part no.)**	338 2508	338 2532	338 2567	338 2591
Package for shaft rotator (part no.)***	338 2494	338 2524	338 2559	338 2583
Max. load - in centre of gravity (kg)	1500	1500	2000	2000
Centre of gravity (mm), A	500	600	500	600
Max. load height (mm), B	1100 - 1700	1100 - 1700	1100 - 1700	1100 - 1700
Width (mm), C	475 - 815	495 - 835	495 - 835	500 - 840
Height - excl. hook (mm), D*	1540 - 2280	1540 - 2305	1540 - 2280	1540 - 2305
Height - excl. flange rotator (mm), D**	1465 - 2210	1465 - 2235	1465 - 2210	1465 - 2235
Height - excl. shaft rotator (mm), D***	1525 - 2265	1525 - 2290	1525 - 2265	1525 - 2290
Length (mm), E	1130	1300	1130	1300
Prong length (mm), F	980	1150	980	1150
Prong spread (mm), G	475 - 815	495 - 835	495 - 835	500 - 840
Weight (kg)*/**/***	120	155	135	170

* Package consists of: Attachment for hook, KM 460 01 Safety chain 5 m, KM 401 Pallet fork.

** Package consists of: Attachment for flange rotator, KM 460 01 Safety chain 5 m, KM 401 Pallet fork.

*** Package consists of: Attachment for shaft rotator Ø 69 mm, KM 460 01 Safety chain 5 m, KM 401 Pallet fork.

Technical drawing



Accessories KM 401-	1500-500 Part no.	1500-600 Part no.	2000-500 Part no.	2000-600 Part no.
Attachment for hook	987 4089	987 4089	987 4089	339 0705
Attachment for flange rotator	987 4097	987 4097	987 4097	339 0721
Attachment for shaft rotator Ø 69 mm	986 7325	986 7325	986 7325	339 0713
KM 460 01 Safety chain 5 m	987 4411	987 4411	987 4411	987 4411

HIAB KM 401H

Technical data KM 401H-	1500-500	1500-600	2000-500	2000-600
Package incl. flange rotator (part no.)*	338 5701	338 5710	338 5728	338 5736
Package incl. shaft rotator (part no.)**	338 5744	338 5752	338 5761	338 5779
Package for flange rotator (part no.)***	338 3849	338 3857	338 3865	338 3873
Package for shaft rotator (part no.)****	338 2605	338 2613	338 2621	338 2630
Max. load - in centre of gravity (kg)	1500	1500	2000	2000
Centre of gravity (mm), A	500	600	500	600
Max. load height (mm), B	1100 - 1700	1100 - 1700	1100 - 1700	1100 - 1700
Width (mm), C	475 - 815	495 - 835	495 - 835	500 - 840
Height - incl. flange rotator (mm), D1*	1710 - 2375	1710 - 2405	1710 - 2375	1710 - 2405
Height - incl. shaft rotator (mm), D1**	1805 - 2470	1805 - 2500	1805 - 2470	1805 - 2500
Height - excl. flange rotator (mm), D2***	1340 - 2005	1340 - 2035	1340 - 2005	1340 - 2035
Height - excl. shaft rotator (mm), D2****	1395 - 2060	1395 - 2090	1395 - 2060	1395 - 2090
Length (mm), E	1175	1175	1345	1345
Prong length (mm), F	980	1150	980	1150
Prong spread (mm), G	475 - 815	495 - 835	495 - 835	500 - 840
Weight - incl. rotator (kg)*/**	155	190	170	205
Weight (kg)***/****	125	160	140	175
Built-in Pressure Relief Valve	No	No	No	No
Max. oil pressure (MPa)	26	26	26	26
Rec. oil flow (l/min)	20 - 40	20 - 40	20 - 40	20 - 40

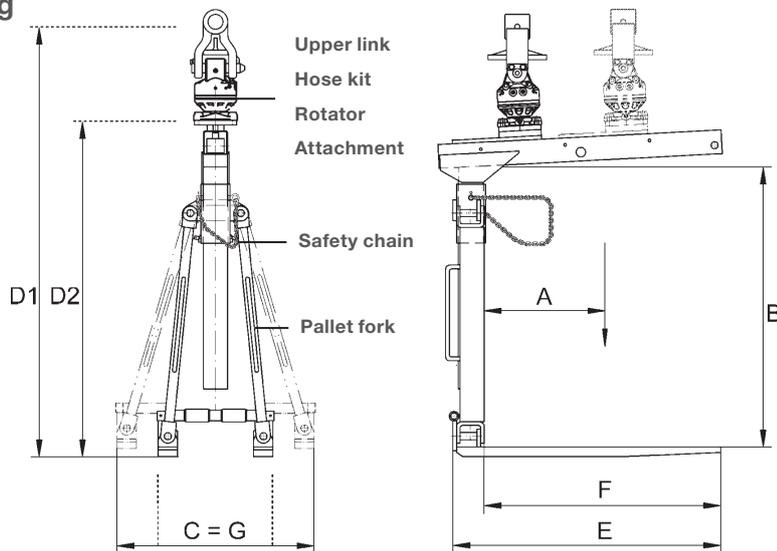
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, Attachment for flange rotator, KM 460 01 Safety chain 5 m, KM 401H Pallet fork.

** Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, Attachment for shaft rotator Ø 69 mm, KM 460 01 Safety chain 5 m, KM 401H Pallet fork.

*** Package consists of: KM 203 01 Hose kit, Attachment for flange rotator, KM 460 01 Safety chain 5 m, KM 401H Pallet fork.

**** Package consists of: KM 203 01 Hose kit, Attachment for shaft rotator Ø 69 mm, KM 460 01 Safety chain 5 m, KM 401H Pallet fork.

Technical drawing



Accessories KM 401H-	1500-500 Part no.	1500-600 Part no.	2000-500 Part no.	2000-600 Part no.
KM 401H Pallet fork	985 4401	985 5718	985 4410	985 5726
Attachment for shaft rotator Ø 69 mm	987 2531	987 2531	987 2531	987 2531
KM 203 01 Hose kit	338 3300	338 3326	338 3300	338 3326
KM 460 01 Safety chain 5 m	987 4411	987 4411	987 4411	987 4411
KM 204 Hydraulic quick coupling, mobile (2 pcs)	338 6562	338 6562	338 6562	338 6562
KM 204 Hydraulic quick coupling to rotator, fixed (2 pcs)	338 6554	338 6554	338 6554	338 6554
KM 204 Hydraulic quick coupling to rotator, fixed kit	338 6635	338 6635	338 6635	338 6635

HIAB KM 414

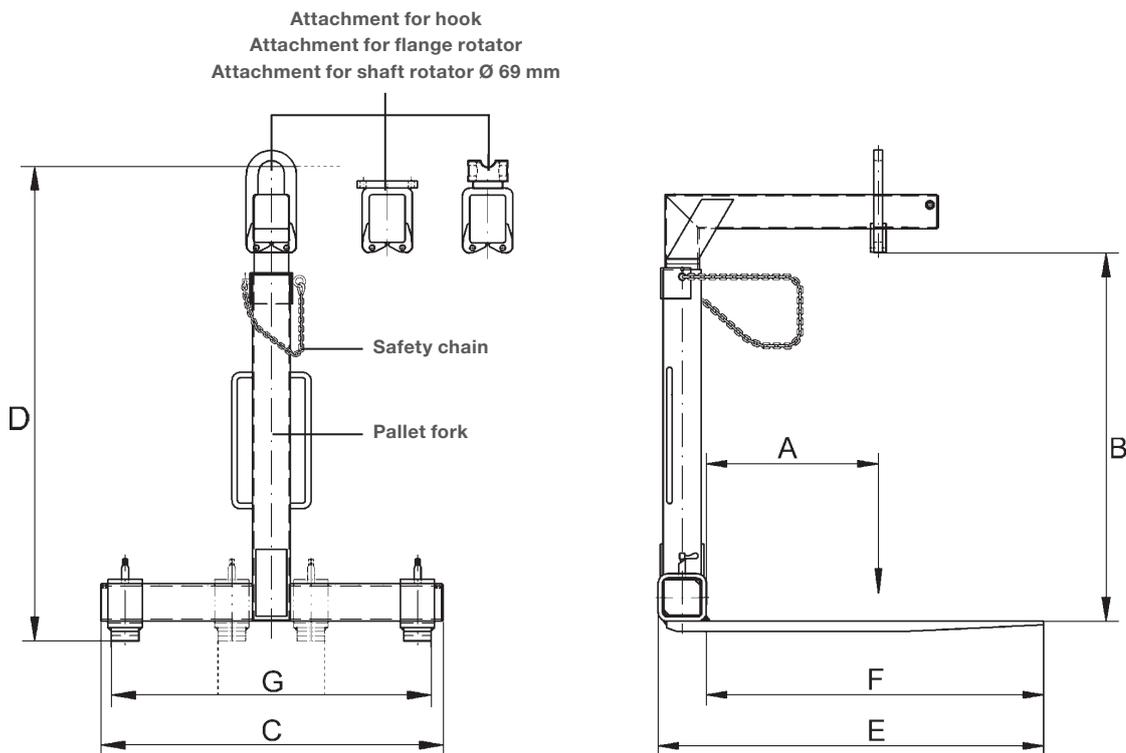
Technical data KM 414-	1500-500	1500-600	2000-500	2000-600	2500-600	3000-600
Package for hook (part no.)*	338 2362	338 2397	338 2427	338 2451	3396789	3396819
Package for flange rotator (part no.)**	338 2389	338 2419	338 2443	338 2478	3396801	3396835
Package for shaft rotator (part no.)***	338 2371	338 2401	338 2435	338 2460	3396797	3396827
Max. load - in centre of gravity (kg)	1500	1500	2000	2000	2500	3000
Centre of gravity (mm), A	500	600	500	600	600	600
Max. load height (mm), B	1100 - 1700	1100 - 1700	1100 - 1700	1100 - 1700	1100 - 1700	1100 - 1700
Width (mm), C	1000	1000	1000	1000	1000	1000
Height - excl. hook (mm), D*	1425 - 2025	1425 - 2025	1425 - 2025	1425 - 2025	1425 - 2025	1425 - 2025
Height - excl. flange rotator (mm), D**	1365 - 1965	1365 - 1965	1365 - 1965	1365 - 1965	1365 - 1965	1365 - 1965
Height - excl. shaft rotator (mm), D***	1400 - 2000	1400 - 2000	1400 - 2000	1400 - 2000	1400 - 2000	1400 - 2000
Length (mm), E	1120	1300	1120	1300	1300	1300
Prong length (mm), F	980	1150	980	1150	1150	1150
Prong spread (mm), G	325 - 920	345 - 940	345 - 940	355 - 945	355 - 945	355 - 945
Weight (kg)*/**/**	120	150	130	180	235	265

* Package consists of: Attachment for hook, KM 460 01 Safety chain 5 m, KM 414 Pallet fork.

** Package consists of: Attachment for flange rotator, KM 460 01 Safety chain 5 m, KM 414 Pallet fork.

*** Package consists of: Attachment for shaft rotator Ø 69 mm, KM 460 01 Safety chain 5 m, KM 414 Pallet fork.

Technical drawing



Accessories KM 414-	1500-500 Part no.	1500-600 Part no.	2000-500 Part no.	2000-600 Part no.	2500-600 Part no.	3000-600 Part no.
Attachment for hook	987 4216	987 4216	987 4216	987 4224	987 4224	987 4224
Attachment for flange rotator	987 4241	987 4241	987 4241	987 2566	987 2566	987 2566
Attachment for shaft rotator Ø 69 mm	987 4232	987 4232	987 4232	987 2558	987 2558	987 2558
KM 460 01 Safety chain 5 m	987 4411	987 4411	987 4411	987 4411	987 4411	987 4411

HIAB KM 415

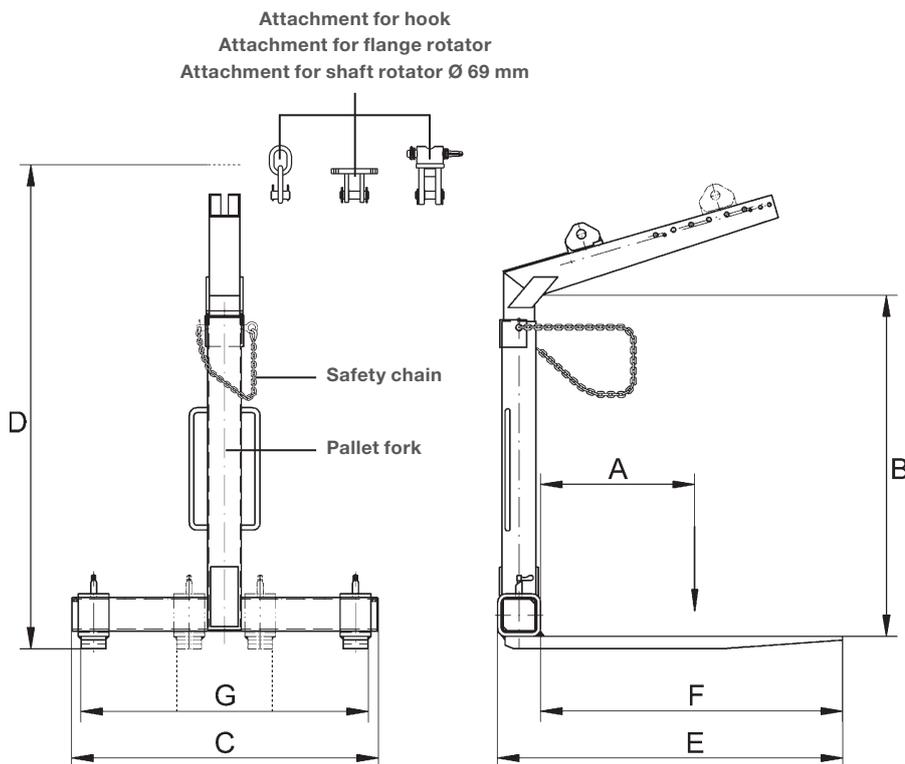
Technical data KM 415-	1500-500	1500-600	2000-500	2000-600	2500-600	3000-600
Package for hook (part no.)*	338 2699	338 2729	338 2753	338 2788	3396436	3396461
Package for flange rotator (part no.)**	338 2711	338 2745	338 2770	338 2800	3396452	3396487
Package for shaft rotator (part no.)***	338 2702	338 2737	338 2761	338 2796	3396444	3396479
Max. load - in centre of gravity (kg)	1500	1500	2000	2000	2500	3000
Centre of gravity (mm), A	500	600	500	600	600	600
Max. load height (mm), B	1100 - 1700	1100 - 1700	1100 - 1700	1100 - 1700	1100 - 1700	1100 - 1700
Width (mm), C	1000	1000	1000	1000	1000	1000
Height - excl. hook (mm), D*	1545 - 2245	1545 - 2275	1545 - 2245	1545 - 2275	1545 - 2275	1545 - 2275
Height - excl. flange rotator (mm), D**	1470 - 2170	1470 - 2200	1470 - 2170	1470 - 2200	1470 - 2200	1470 - 2200
Height - excl. shaft rotator (mm), D***	1530 - 2230	1530 - 2260	1530 - 2230	1530 - 2260	1530 - 2260	1530 - 2260
Length (mm), E	1120	1300	1120	1300	1300	1300
Prong length (mm), F	980	1150	980	1150	1150	1150
Prong spread (mm), G	325 - 920	345 - 940	345 - 940	355 - 945	355 - 945	355 - 945
Weight (kg)*/**/***	145	170	150	180	185	220

* Package consists of: Attachment for hook, KM 460 01 Safety chain 5 m, KM 415 Pallet fork.

** Package consists of: Attachment for flange rotator, KM 460 01 Safety chain 5 m, KM 415 Pallet fork.

*** Package consists of: Attachment for shaft rotator Ø 69 mm, KM 460 01 Safety chain 5 m, KM 415 Pallet fork.

Technical drawing



Accessories KM 415-	1500-500 Part no.	1500-600 Part no.	2000-500 Part no.	2000-600 Part no.	2500-600 Part no.	3000-600 Part no.
Attachment for hook	987 4089	987 4089	987 4089	339 0705	339 0705	339 0705
Attachment for flange rotator	987 4097	987 4097	987 4097	339 0721	339 0721	339 0721
Attachment for shaft rotator Ø 69 mm	986 7325	986 7325	986 7325	339 0713	339 0713	339 0713
KM 460 01 Safety chain 5 m	987 4411	987 4411	987 4411	987 4411	987 4411	987 4411

HIAB KM 461

Technical data KM 461-	800	1000	1500	2000	2500
Package incl. flange rotator (part no.)*	338 3971	338 3997	338 4012	338 4039	338 4055
Package incl. shaft rotator (part no.)**	338 3962	338 3989	338 4004	338 4021	338 4047
Package for flange rotator (part no.)***	338 2648	338 3890	338 3903	338 3911	338 3920
Package for shaft rotator (part no.)****	338 3881	338 2656	338 2664	338 2672	338 2681
Max. load (kg)	800	1000	1500	2000	2500
Max. load width / height (mm), A	460 / 1250	460 / 1250	460 / 1250	460 / 1250	460 / 1250
Width (mm), B	1140	1635	1635	1635	1635
Height - incl. flange rotator (mm), C1*	2225	2195	2205	2215	2225
Height - incl. shaft rotator (mm), C1**	2195	2290	2300	2310	2320
Height - excl. flange rotator (mm), C2***	1855	1690	1700	1710	1720
Height - excl. shaft rotator (mm), C2****	1785	1745	1755	1765	1775
Length (mm), D	725 - 1670	725 - 1670	730 - 1680	730 - 1680	740 - 1690
Prong length (mm), E	1250	1250	1250	1250	1250
Prong spread (mm), F	600 - 1000	640 - 1600	640 - 1600	640 - 1600	640 - 1600
Weight - incl. flange rotator (kg)*	295	335	390	410	415
Weight - incl. shaft rotator (kg)**	290	340	395	415	420
Weight - excl. flange rotator (kg)***	260	300	355	375	380
Weight - excl. shaft rotator (kg)****	255	305	360	380	385
Built-in Pressure Relief Valve (MPa)	20	20	20	20	20
Max. oil pressure (MPa)	32	32	32	32	32
Rec. oil flow (l/min)	40 - 75	40 - 75	40 - 75	40 - 75	40 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes	Yes

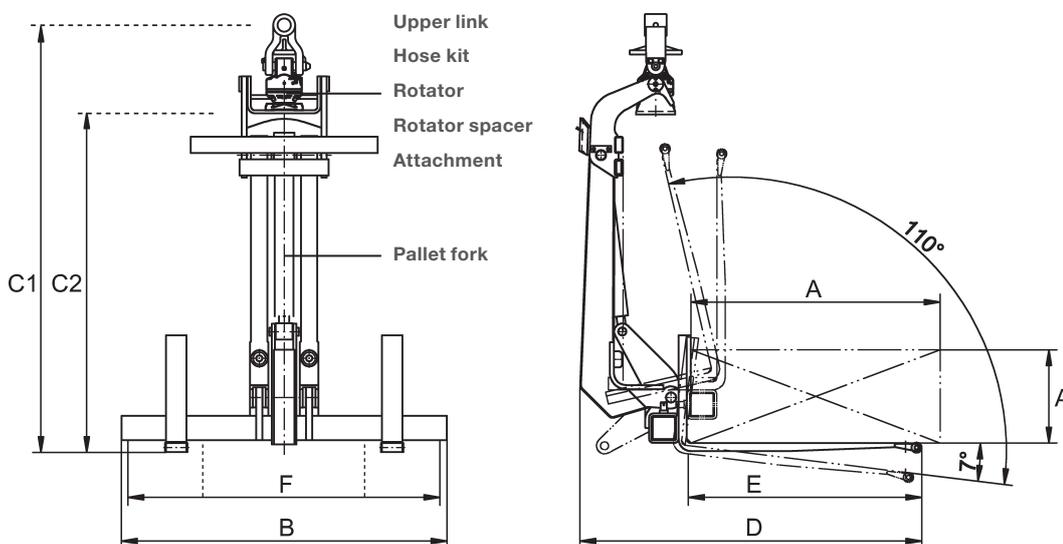
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, Rotator spacer, Attachment for flange rotator, KM 461 Pallet fork.

** Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, Rotator spacer, Attachment for shaft rotator Ø 69 mm, KM 461 Pallet fork.

*** Package consists of: KM 203 01 Hose kit, Rotator spacer, Attachment for flange rotator, KM 461 Pallet fork.

**** Package consists of: KM 203 01 Hose kit, Rotator spacer, Attachment for shaft rotator Ø 69 mm, KM 461 Pallet fork.

Technical drawing



Accessories KM 461-	800 Part no.	1000 Part no.	1500 Part no.	2000 Part no.	2500 Part no.
Attachment for flange rotator	987 2540	-	-	-	-
Attachment for shaft rotator Ø 69 mm	-	987 2531	987 2531	987 2531	987 2531
Rotator spacer	-	987 2574	987 2574	987 2574	987 2574
KM 203 01 Hose kit	338 3415	338 3415	338 3415	338 3415	338 3415
KM 204 Hydraulic quick coupling, mobile (2 pcs)	338 6562	338 6562	338 6562	338 6562	338 6562
KM 204 Hydraulic quick coupling to rotator, fixed (2 pcs)	338 6554	338 6554	338 6554	338 6554	338 6554
KM 204 Hydraulic quick coupling to rotator, fixed kit	338 6635	338 6635	338 6635	338 6635	338 6635



HIAB BRICK GRABS



A VERSATILE GRIP

Main brick grab features

There is a lot to gain from using a brick grab. First and foremost, a brick grab is extremely versatile and made to withstand tough duty work – all day, every day. The load doesn't have to be palletized and can be handled from awkward positions with limited space. Brick grabs are ideal for speedy handling of your loads. There are two types of grabs – the main difference being the opening and closing movement of the arms. You can have a grab with parallel arm movement or one with scissor movement, both having

their own strong features. How to choose is a matter of consideration and depends, naturally, on the nature of your business, today and in the future. Take some time to think about how you would like your business to develop – then decide on the solution that best helps you assist your customers in doing business. The investment in a suitable and versatile brick grab can move your business forward and upward.

HIAB KM 331 "SCISSOR SQUEEZE"

Packages incl. Compression rails 920 mm

Technical data KM 331-	1000	1100	1200	1300
Package incl. flange rotator (part no.)*	338 5787	338 5817	338 5841	338 5876
Package incl. shaft rotator (part no.)**	338 5906	338 5931	338 5965	338 5990
Package for flange rotator (part no.)***	338 2818	338 2842	338 2877	338 2907
Package for shaft rotator (part no.)****	338 3059	338 3083	338 3113	338 3148
Plunge depth (mm), A	1000	1100	1200	1300
Lifting capacity (kg)	2000	2000	1800	1600
Span closed (mm), B	220	160	100	40
Span open (mm), C	1420	1450	1475	1500
Height (mm), D1*	1715	1815	1915	2015
Height (mm), D1**	1805	1905	2005	2105
Height (mm), D2***	1455	1555	1655	1755
Height (mm), D2****	1455	1555	1655	1755
Weight package (kg)*	325	330	335	340
Weight package (kg)**	330	335	340	345
Weight package (kg)***	290	295	300	305
Weight package (kg)****	295	300	305	310
Weight brick grab (kg)	255	260	265	270
Built-in Pressure Relief Valve (MPa)	20	20	20	20
Max. oil pressure (MPa)	32	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes
Length compression rails (mm), E	920	920	920	920

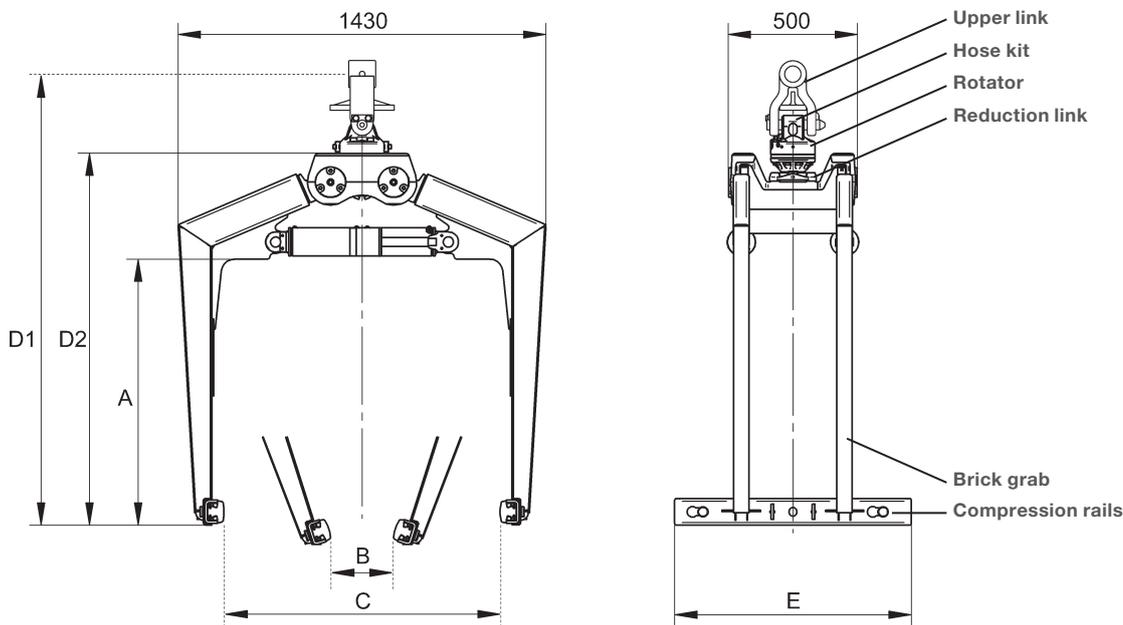
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 331 Brick grab, KM 381 40 Comp. rails 920 mm (2 pcs).

** Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 502 Reduction link Ø 69 mm, KM 331 Brick grab, KM 381 40 Comp. rails 920 mm (2 pcs).

*** Package consists of: KM 203 01 Hose kit, KM 331 Brick grab, KM 381 40 Comp. rails 920 mm (2 pcs).

**** Package consists of: KM 203 01 Hose kit, KM 502 Reduction link Ø 69 mm, KM 331 Brick grab, KM 381 40 Comp. rails 920 mm (2 pcs).

Technical drawing



Packages incl. Compression rails 1000 mm

Technical data KM 331-	1000	1100	1200	1300
Package incl. flange rotator (part no.)*	338 5795	338 5825	338 5850	338 5884
Package incl. shaft rotator (part no.)**	338 5914	338 5949	338 5973	338 6007
Package for flange rotator (part no.)***	338 2826	338 2851	338 2885	338 2915
Package for shaft rotator (part no.)****	338 3067	338 3091	338 3121	338 3156
Plunge depth (mm), A	1000	1100	1200	1300
Lifting capacity (kg)	2000	2000	1800	1600
Span closed (mm), B	220	160	100	40
Span open (mm), C	1420	1450	1475	1500
Height (mm), D1*	1715	1815	1915	2015
Height (mm), D1**	1805	1905	2005	2105
Height (mm), D2***	1455	1555	1655	1755
Height (mm), D2****	1455	1555	1655	1755
Weight package (kg)*	335	340	345	350
Weight package (kg)**	340	345	350	355
Weight package (kg)***	300	305	310	315
Weight package (kg)****	305	310	315	320
Weight brick grab (kg)	255	260	265	270
Built-in Pressure Relief Valve (MPa)	20	20	20	20
Max. oil pressure (MPa)	32	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes
Length compression rails (mm), E	1000	1000	1000	1000

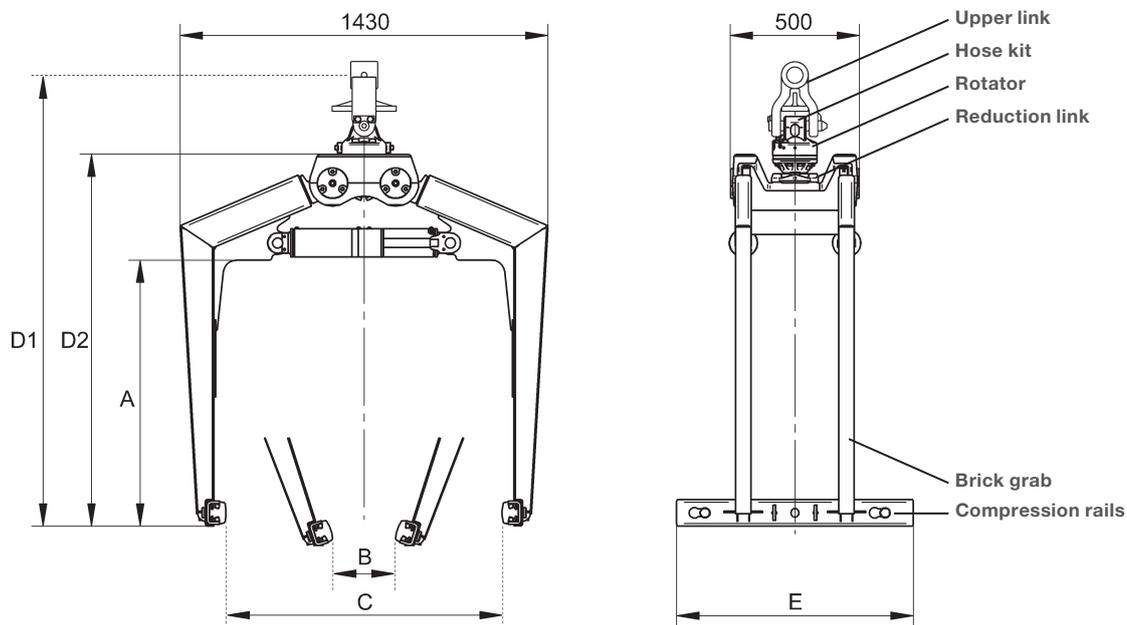
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 331 Brick grab, KM 381 40 Comp. rails 1000 mm (2 pcs).

** Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 502 Reduction link Ø 69 mm, KM 331 Brick grab, KM 381 40 Comp. rails 1000 mm (2 pcs).

*** Package consists of: KM 203 01 Hose kit, KM 331 Brick grab, KM 381 40 Comp. rails 1000 mm (2 pcs).

**** Package consists of: KM 203 01 Hose kit, KM 502 Reduction link Ø 69 mm, KM 331 Brick grab, KM 381 40 Comp. rails 1000 mm (2 pcs).

Technical drawing



HIAB KM 331 "SCISSOR SQUEEZE"

Packages incl. Compression rails 1250 mm

Technical data KM 331-	1000	1100	1200	1300
Package incl. flange rotator (part no.)*	338 2834	338 2869	338 2893	338 2923
Package incl. shaft rotator (part no.)**	338 3075	338 3105	338 3130	338 3164
Package for flange rotator (part no.)***	338 5809	338 5833	338 5868	338 5892
Package for shaft rotator (part no.)****	338 5922	338 5957	338 5981	338 6015
Plunge depth (mm), A	1000	1100	1200	1300
Lifting capacity (kg)	2000	2000	1800	1600
Span closed (mm), B	220	160	100	40
Span open (mm), C	1420	1450	1475	1500
Height (mm), D1*	1715	1815	1915	2015
Height (mm), D1**	1805	1905	2005	2105
Height (mm), D2***	1455	1555	1655	1755
Height (mm), D2****	1455	1555	1655	1755
Weight package (kg)*	350	355	360	365
Weight package (kg)**	355	360	365	370
Weight package (kg)***	310	315	320	325
Weight package (kg)****	315	320	325	330
Weight brick grab (kg)	255	260	265	270
Built-in Pressure Relief Valve (MPa)	20	20	20	20
Max. oil pressure (MPa)	32	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes
Length compression rails (mm), E	1250	1250	1250	1250

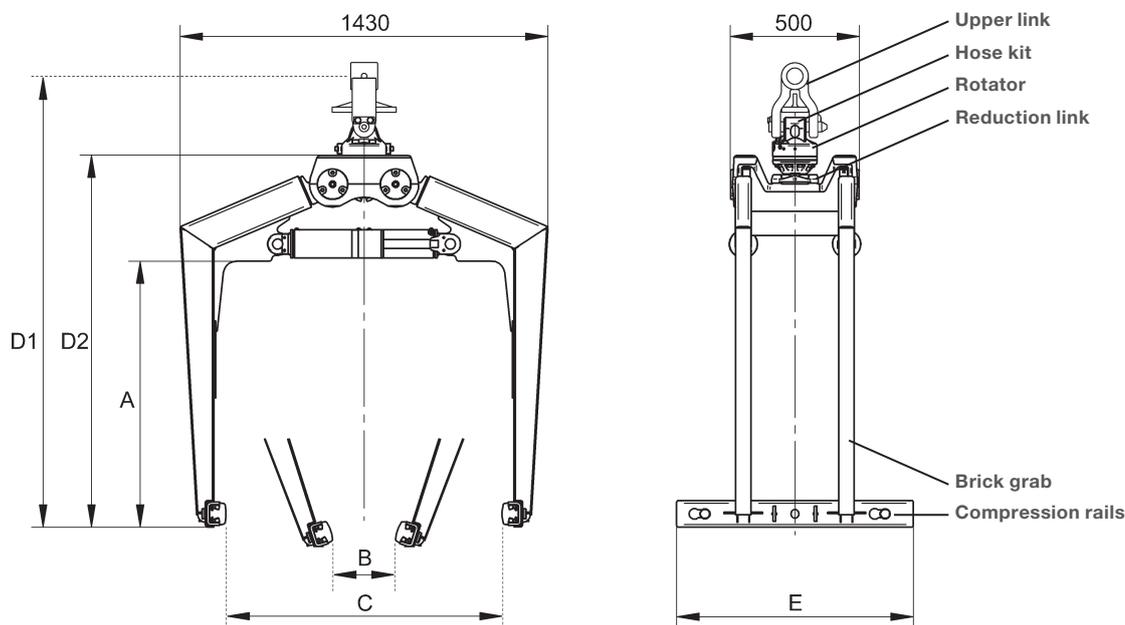
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 331 Brick grab, KM 381 40 Comp. rails 1250 mm (2 pcs).

** Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 502 Reduction link Ø 69 mm, KM 331 Brick grab, KM 381 40 Comp. rails 1250 mm (2 pcs).

*** Package consists of: KM 203 01 Hose kit, KM 331 Brick grab, KM 381 40 Comp. rails 1250 mm (2 pcs).

**** Package consists of: KM 203 01 Hose kit, KM 502 Reduction link Ø 69 mm, KM 331 Brick grab, KM 381 40 Comp. rails 1250 mm (2 pcs).

Technical drawing



Accessories KM 331-	1000 Part no.	1100 Part no.	1200 Part no.	1300 Part no.
KM 203 01 Hose kit	338 3474	338 3474	338 3474	338 3474
KM 502 Reduction link	987 2531	987 2531	987 2531	987 2531
KM 331 Brick grab	985 4461	985 4479	985 4487	985 4495
KM 381 40 Comp. rails 920 mm (2 pcs)	987 2591	987 2591	987 2591	987 2591
KM 381 40 Comp. rails 1000 mm (2 pcs)	987 2612	987 2612	987 2612	987 2612
KM 381 40 Comp. rails 1250 mm (2 pcs)	987 2639	987 2639	987 2639	987 2639

HIAB KM 332 "PARALLEL SQUEEZE"

Packages incl. Compression rails 720 mm

Technical data KM 332-	850	1000	1300	V-1100
Package incl. flange rotator (part no.)*	338 6023	338 6058	338 6082	338 6112
Package incl. shaft rotator (part no.)**	338 6147	338 6171	338 6201	338 6236
Package for flange rotator (part no.)***	338 2931	338 2966	338 2991	338 3024
Package for shaft rotator (part no.)****	338 3172	338 3202	338 3237	338 3261
Plunge depth (mm), A	850	1000	1300	1100 - 1650
Lifting capacity @ min./max. plunge depth (kg)	2200	2000	1600	1900 / 1350
Span closed (mm), B	400	400	400	400
Span open (mm), C	1400	1400	1400	1400
Height (mm), D1*	1415	1565	1865	1665 - 2215
Height (mm), D1**	1510	1660	1960	1760 - 2310
Height (mm), D2***	1065	1215	1515	1315 - 1865
Height (mm), D2****	1100	1250	1550	1350 - 1900
Weight package (kg)*	295	305	315	350
Weight package (kg)**	300	310	320	355
Weight package (kg)***	260	270	280	315
Weight package (kg)****	265	275	285	320
Weight brick grab (kg)	240	250	260	295
Built-in Pressure Relief Valve (MPa)	24	24	24	24
Max. oil pressure (MPa)	32	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes
Length compression rails (mm), E	720	720	720	720

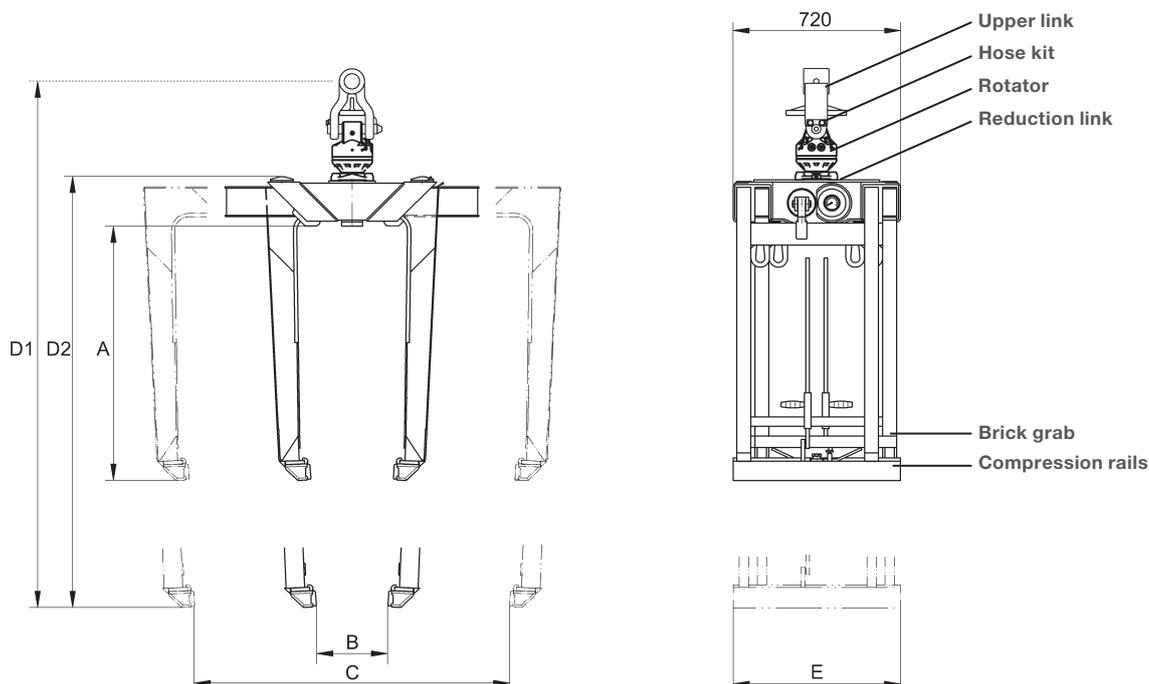
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 332 Brick grab, KM 381 29 Comp. rails 720 mm (2 pcs).

** Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 502 Reduction link Ø 69 mm, KM 332 Brick grab, KM 381 29 Comp. rails 720 mm (2 pcs).

*** Package consists of: KM 203 01 Hose kit, KM 332 Brick grab, KM 381 29 Comp. rails 720 mm (2 pcs).

**** Package consists of: KM 203 01 Hose kit, KM 502 Reduction link Ø 69 mm, KM 332 Brick grab, KM 381 29 Comp. rails 720 mm (2 pcs).

Technical drawing



Packages incl. Compression rails 1000 mm

Technical data KM 332-	850	1000	1300	V-1100
Package incl. flange rotator (part no.)*	338 6031	338 6066	338 6091	338 6121
Package incl. shaft rotator (part no.)**	338 6155	338 6180	338 6210	338 6244
Package for flange rotator (part no.)***	338 2940	338 2974	338 3008	338 3032
Package for shaft rotator (part no.)****	338 3181	338 3211	338 3245	338 3270
Plunge depth (mm), A	850	1000	1300	1100 - 1650
Lifting capacity @ min./max. plunge depth (kg)	2200	2000	1600	1900 / 1350
Span closed (mm), B	400	400	400	400
Span open (mm), C	1400	1400	1400	1400
Height (mm), D1*	1415	1565	1865	1665 - 2215
Height (mm), D1**	1510	1660	1960	1760 - 2310
Height (mm), D2***	1065	1215	1515	1315 - 1865
Height (mm), D2****	1100	1250	1550	1350 - 1900
Weight package (kg)*	305	315	325	360
Weight package (kg)**	310	320	330	365
Weight package (kg)***	270	280	290	325
Weight package (kg)****	275	285	295	330
Weight brick grab (kg)	240	250	260	295
Built-in Pressure Relief Valve (MPa)	24	24	24	24
Max. oil pressure (MPa)	32	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes
Length compression rails (mm), E	1000	1000	1000	1000

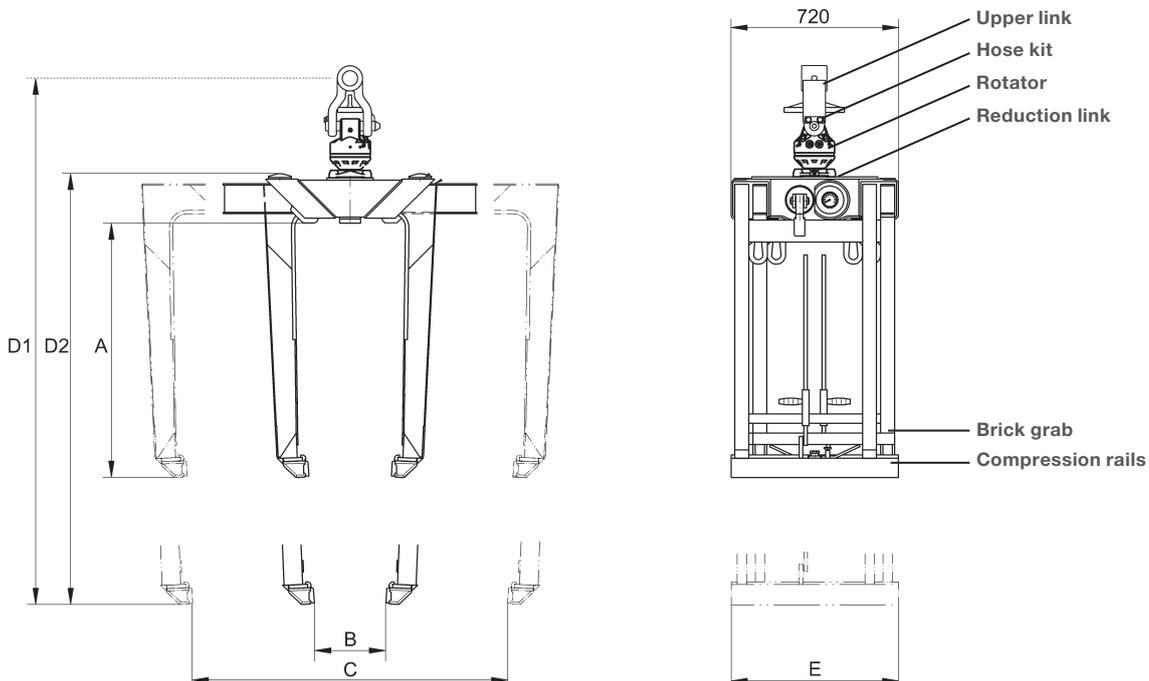
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 332 Brick grab, KM 381 29 Comp. rails 1000 mm (2 pcs).

** Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 502 Reduction link Ø 69 mm, KM 332 Brick grab, KM 381 29 Comp. rails 1000 mm (2 pcs).

*** Package consists of: KM 203 01 Hose kit, KM 332 Brick grab, KM 381 29 Comp. rails 1000 mm (2 pcs).

**** Package consists of: KM 203 01 Hose kit, KM 502 Reduction link Ø 69 mm, KM 332 Brick grab, KM 381 29 Comp. rails 1000 mm (2 pcs).

Technical drawing



HIAB KM 332 “PARALLEL SQUEEZE”

Packages incl. Compression rails 1250 mm

Technical data KM 332-	850	1000	1300	V-1100
Package incl. flange rotator (part no.)*	338 6040	338 6074	338 6104	338 6139
Package incl. shaft rotator (part no.)**	338 6163	338 6198	338 6228	338 6252
Package for flange rotator (part no.)***	338 2958	338 2982	338 3016	338 3041
Package for shaft rotator (part no.)****	338 3199	338 3229	338 3253	338 3288
Plunge depth (mm), A	850	1000	1300	1100 - 1650
Lifting capacity @ min./max. plunge depth (kg)	2200	2000	1600	1900 / 1350
Span closed (mm), B	400	400	400	400
Span open (mm), C	1400	1400	1400	1400
Height (mm), D1*	1415	1565	1865	1665 - 2215
Height (mm), D1**	1510	1660	1960	1760 - 2310
Height (mm), D2***	1065	1215	1515	1315 - 1865
Height (mm), D2****	1100	1250	1550	1350 - 1900
Weight package (kg)*	310	320	330	365
Weight package (kg)**	315	325	335	370
Weight package (kg)***	275	285	295	330
Weight package (kg)****	280	290	300	335
Weight brick grab (kg)	240	250	260	295
Built-in Pressure Relief Valve (MPa)	24	24	24	24
Max. oil pressure (MPa)	32	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes	Yes
Length compression rails (mm), E	1250	1250	1250	1250

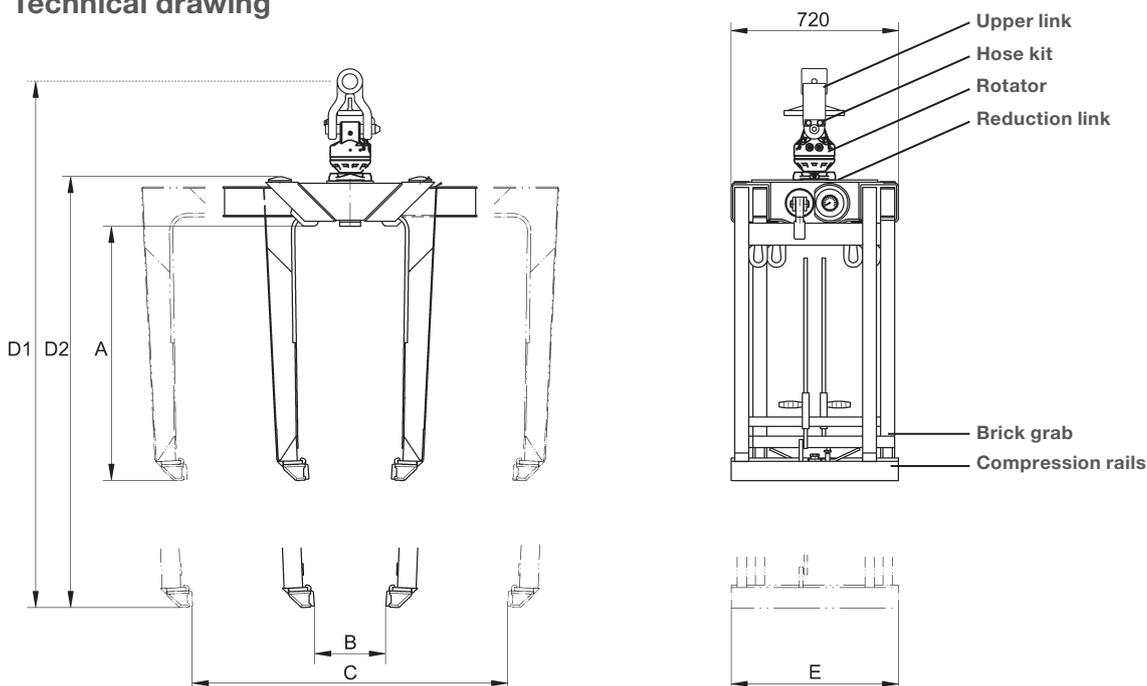
* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 332 Brick grab, KM 381 29 Comp. rails 1250 mm (2 pcs).

** Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 S69-30 Rotator, KM 502 Reduction link Ø 69 mm, KM 332 Brick grab, KM 381 29 Comp. rails 1250 mm (2 pcs).

*** Package consists of: KM 203 01 Hose kit, KM 332 Brick grab, KM 381 29 Comp. rails 1250 mm (2 pcs).

**** Package consists of: KM 203 01 Hose kit, KM 502 Reduction link Ø 69 mm, KM 332 Brick grab, KM 381 29 Comp. rails 1250 mm (2 pcs).

Technical drawing



Accessories KM 332-	850 Part no.	1000 Part no.	1300 Part no.	V-1100 Part no.
KM 203 01 Hose kit	338 3954	338 3954	338 3954	338 3954
KM 502 Reduction link	987 2531	987 2531	987 2531	987 2531
KM 332 Brick grab	985 4509	985 4517	985 4525	985 4533
KM 381 29 Comp. rails 720 mm (2 pcs)	985 4541	985 4541	985 4541	985 4541
KM 381 29 Comp. rails 1000 mm (2 pcs)	985 4550	985 4550	985 4550	985 4550
KM 381 29 Comp. rails 1250 mm (2 pcs)	985 4568	985 4568	985 4568	985 4568

HIAB KM 333 “PARALLEL SQUEEZE”

Packages incl. Compression rails 1000 mm

Technical data KM 333-	850	1000	V-1100
Package incl. flange rotator (part no.)*	338 9545	338 9553	338 9561
Package for flange rotator (part no.)**	338 9600	338 9618	338 9626
Plunge depth (mm), A	850	1000	1100 - 1850
Lifting capacity @ min./max. plunge depth (kg)	3000	2500	2300 / 1600
Span closed (mm), B	400	400	400
Span open (mm), C	1400	1400	1400
Height (mm), D1*	1440	1590	1690 - 2240
Height (mm), D2**	1090	1240	1340 - 1890
Weight package (kg)*	465	485	560
Weight package (kg)**	430	450	525
Weight brick grab (kg)	400	420	490
Built-in Pressure Relief Valve (MPa)	25	25	25
Max. oil pressure (MPa)	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes
Length compression rails (mm), E	1000	1000	1000

* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 333 Brick grab, KM 381 29 Comp. rails 1000 mm (2 pcs).

** Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 333 Brick grab, KM 381 29 Comp. rails 1000 mm (2 pcs).

Packages incl. Compression rails 1250 mm

Technical data KM 333-	850	1000	V-1100
Package incl. flange rotator (part no.)*	338 9570	338 9588	338 9596
Package for flange rotator (part no.)**	338 9634	338 9642	338 9651
Plunge depth (mm), A	850	1000	1100 - 1850
Lifting capacity @ min./max. plunge depth (kg)	3000	2500	2300 / 1600
Span closed (mm), B	400	400	400
Span open (mm), C	1400	1400	1400
Height (mm), D1*	1440	1590	1690 - 2240
Height (mm), D2**	1090	1240	1340 - 1890
Weight package (kg)*	470	490	565
Weight package (kg)**	435	455	530
Weight brick grab (kg)	400	420	490
Built-in Pressure Relief Valve (MPa)	25	25	25
Max. oil pressure (MPa)	32	32	32
Rec. oil flow (l/min)	25 - 75	25 - 75	25 - 75
Built-in Load Holding Valve	Yes	Yes	Yes
Length compression rails (mm), E	1250	1250	1250

* Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 04 F Rotator, KM 333 Brick grab, KM 381 29 Comp. rails 1250 mm (2 pcs).

** Package consists of: KM 501 Short upper link, KM 203 01 Hose kit, KM 333 Brick grab, KM 381 29 Comp. rails 1250 mm (2 pcs).

Accessories KM 333-	850 Part no.	1000 Part no.	V-1100 Part no.
KM 203 01 Hose kit	338 3954	338 3954	338 3954
KM 333 Brick grab	338 9251	338 9260	338 9278
KM 381 29 Comp. rails 1000 mm (2 pcs)	985 4550	985 4550	985 4550
KM 381 29 Comp. rails 1250 mm (2 pcs)	985 4568	985 4568	985 4568





HIAB PERSONNEL BASKET



ELEVATED WORK

Personnel Basket

We have taken great care to ensure that the personnel basket is as safe to use and as comfortable and ergonomic as possible. It can carry a load equivalent to the weight of two persons and tools. An external safety rail reduces the risk for crushing and the basket's floor is non-slippery and self draining. The basket is fitted with hooks for safety harnesses and a special holder to place the remote control unit in. A battery charger, as well as an extra battery, is

mounted on the inside of the basket. It is also equipped with a box for working tools, and an easy-to-reach push-button emergency stop.

The basket is made of aluminium or galvanized steel. A Hiab XS HiPro fitted with the MEWP option gives you a complete, certified solution for crane and personnel basket – in full compliance with European standard EN 280.

Model	XSDrive	CombiDrive	Non – CE
2-man, Steel SP800	3391531	3397297	9855599
2-man, Aluminium, PB800	3391680	3397301	9858083

HIAB EXTRA STABILISERS 2 – 4 TM

Stabiliser leg modell ML-F	K	L K	GIR
Part no. Non – CE	3384501	3384519	3385141

HIAB EXTRA STABILISERS 4 – 10 TM

Stabiliser leg modell 0 F	K	GIR
Part no. Non – CE	3384527	3385159

Stabiliser leg modell 0 EMO	K	GIR
Part no. Non – CE	3384551	3385205

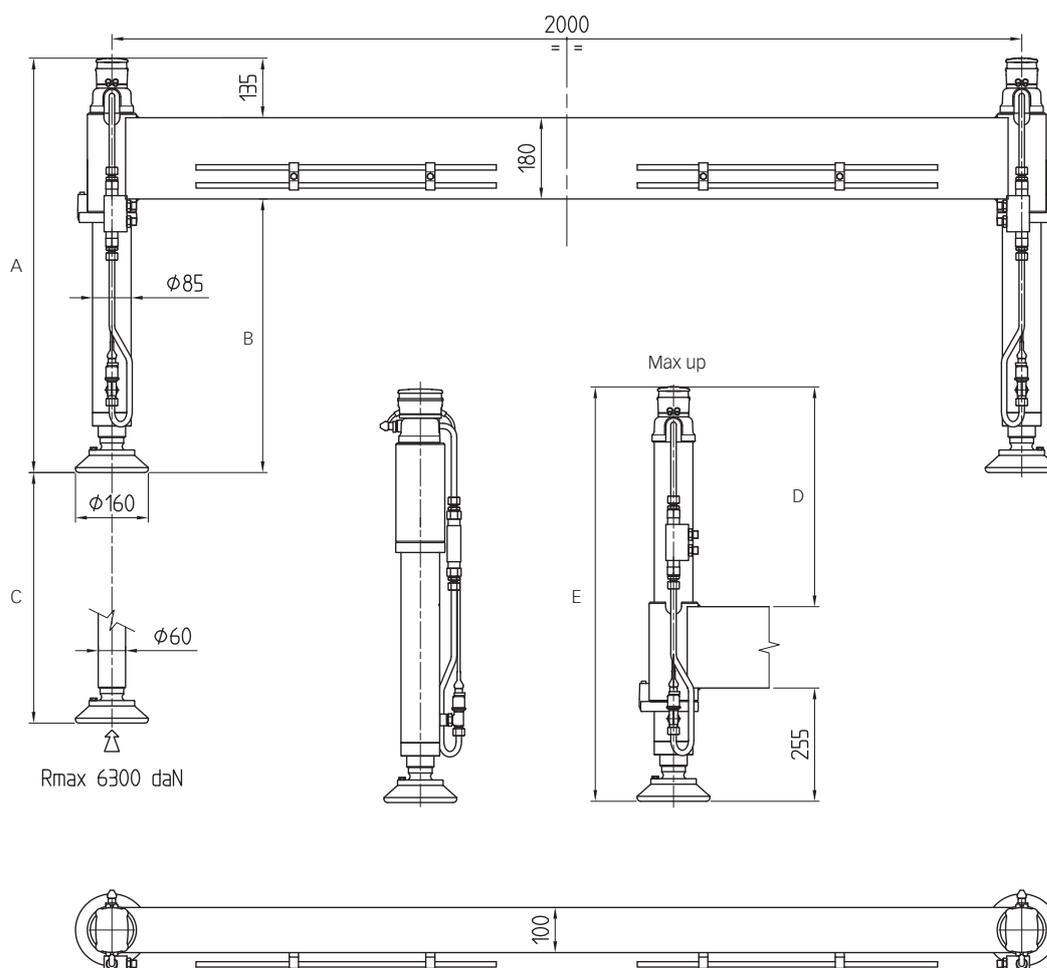
Accessories

For stabiliser beam model	ALL	0 EMO
Swivel foot 160 mm	3381030	-
Dual side controls, 2 f.	-	3385434
Support plates 300x300x30	3395791	-

HIAB EXTRA STABILISERS 10 – 25 TM

Technical data 1 F	K	L K	GIR
Part no. Non – CE	3384560	3384578	3385167
Part no. On/off sensors	3393623	3393631	3398595
A	820	920	-
B	505	605	-
C	450	550	-
D	385	485	-
E	820	920	-
Weight (kg)	125	130	-

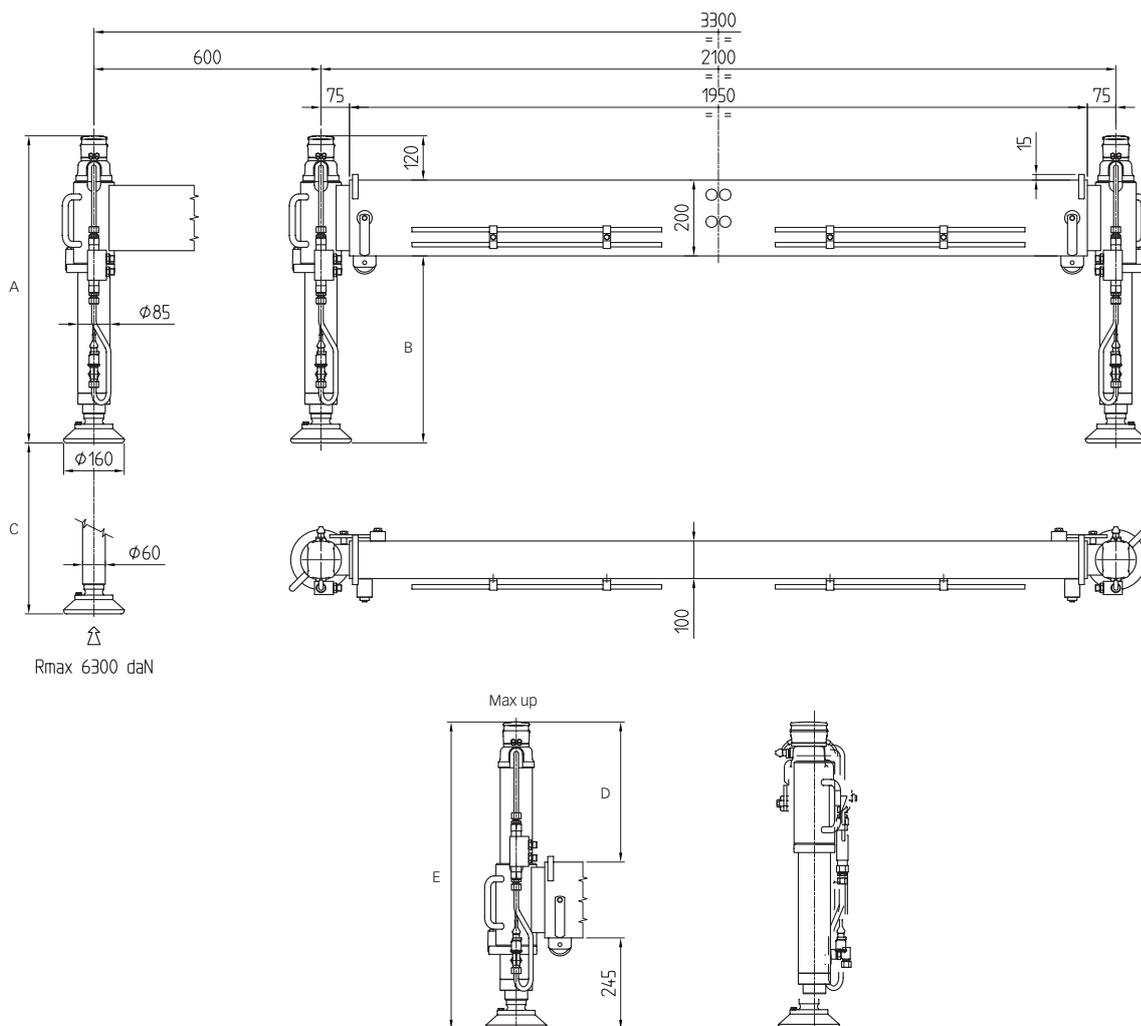
Technical drawing



HIAB EXTRA STABILISERS 10 – 25 TM

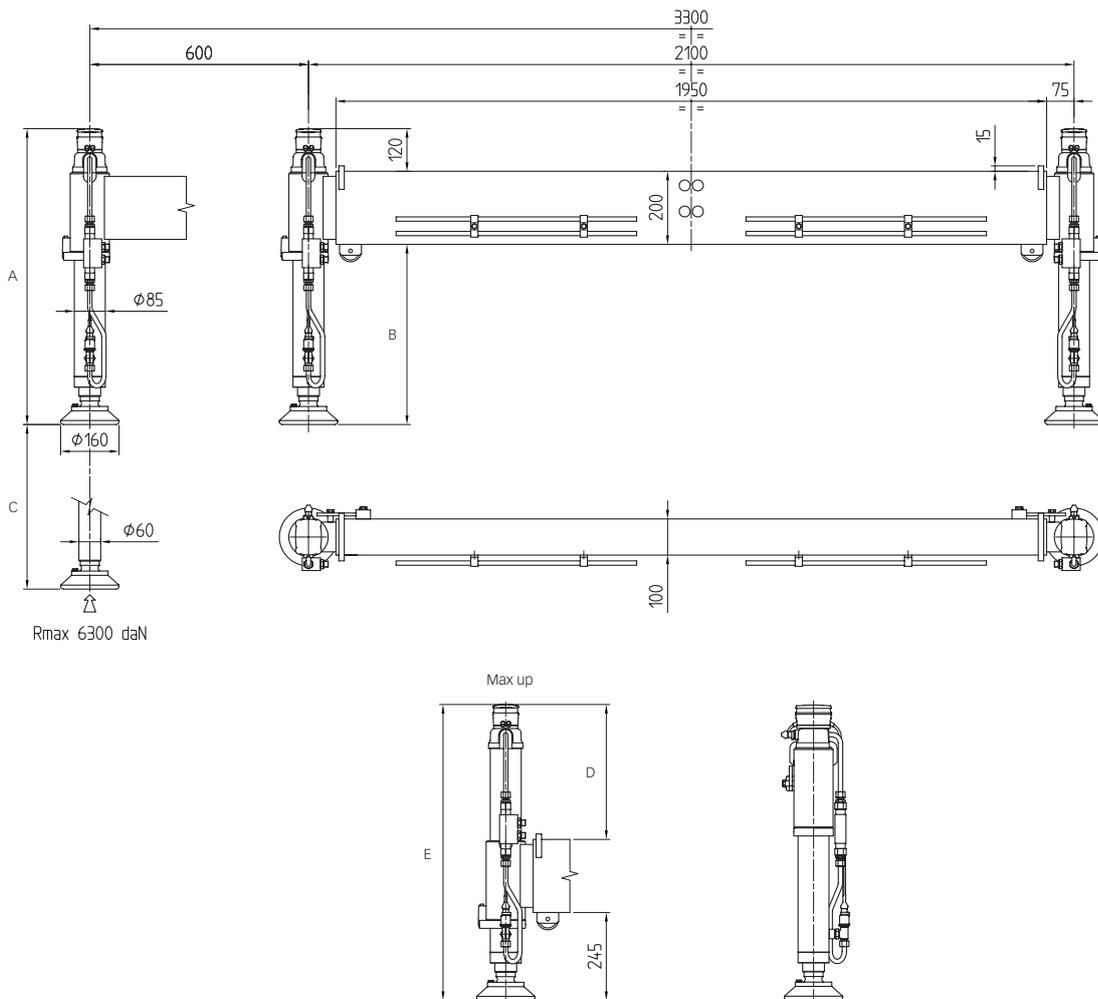
Technical data 1 EMO	K	L K	GIR
Part no. Non – CE	3384586	3384594	3385213
Part no. On/off sensors	3393674	3393682	3398609
A	820	920	-
B	500	600	-
C	450	550	-
D	375	475	-
E	820	920	-
Weight (kg)	180	185	-

Technical drawing



Technical data 1 EHO	K	L K	GIR
Part no. Non – CE	3384608	3384616	3385248
Part no. On/off sensors	3393691	3393704	3398617
A	820	920	-
B	500	600	-
C	450	550	-
D	375	475	-
E	820	920	-
Weight (kg)	200	205	-

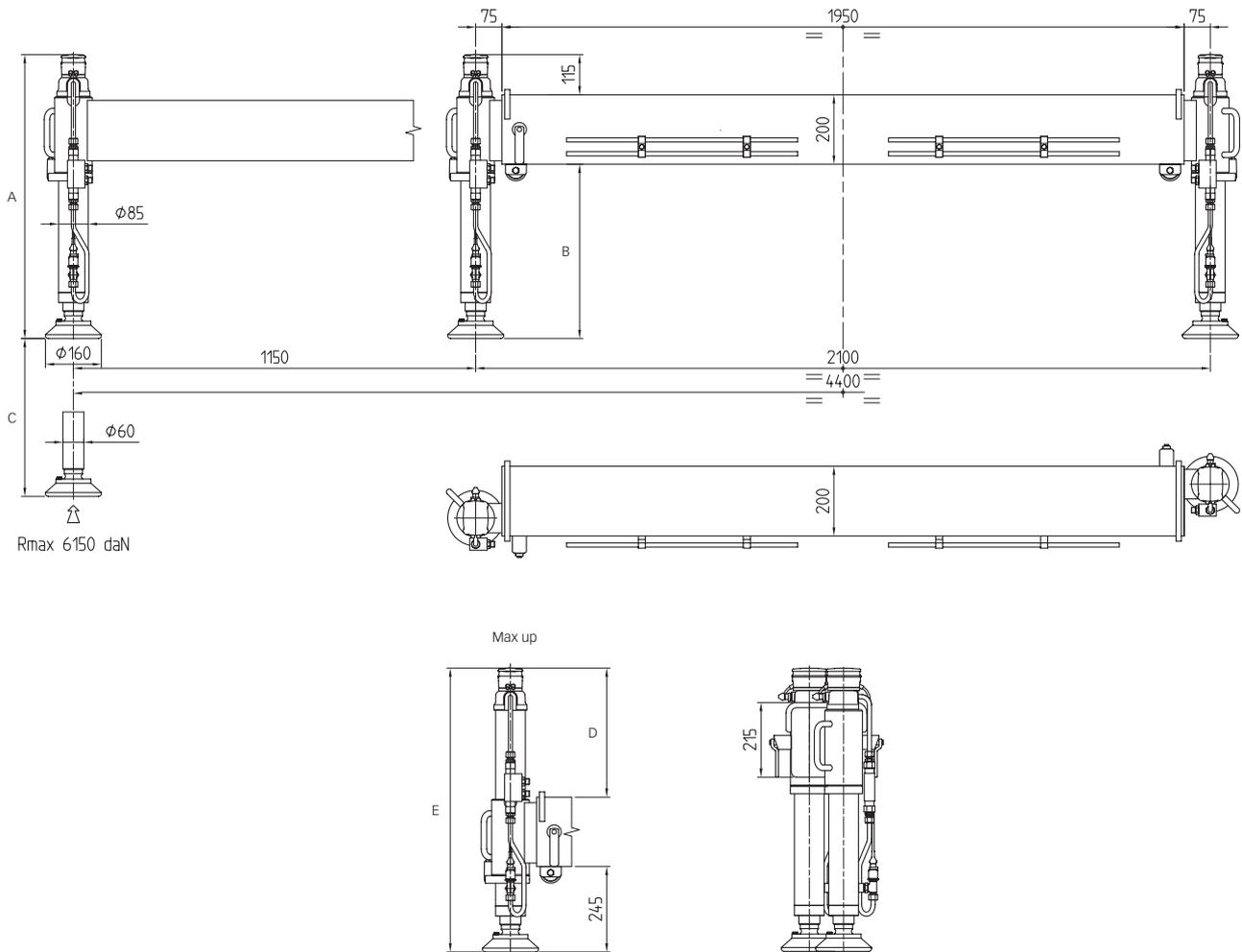
Technical drawing



HIAB EXTRA STABILISERS 10 – 25 TM

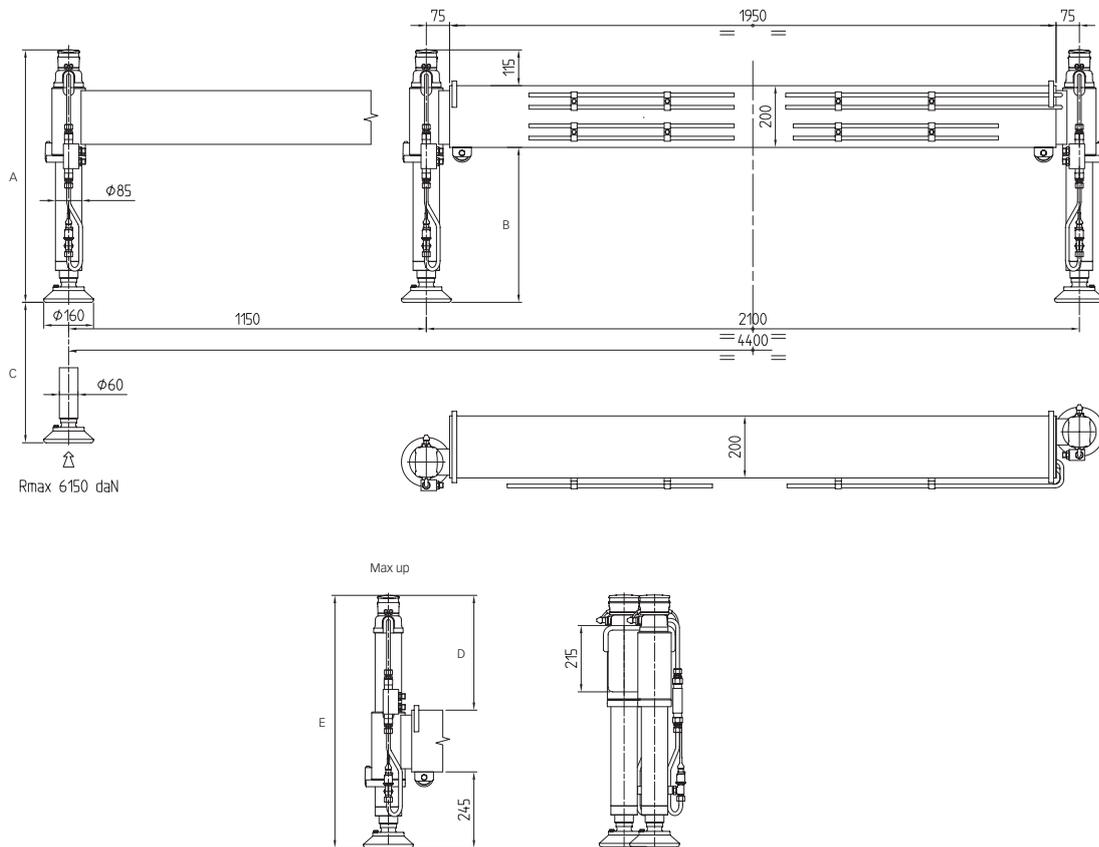
Technical data 1 EMA	K	L K	GIR
Part no. Non – CE	3384624	3384632	3385272
Part no. On/off sensors	3393771	3393780	3398625
A	820	920	-
B	505	605	-
C	450	550	-
D	375	475	-
E	820	920	-
Weight (kg)	232	237	-

Technical drawing



Technical data 1 EHA	K	L K	GIR
Part no. Non – CE	3384641	3384659	3385302
Part no. On/off sensors	3393798	3393801	3398633
A	820	920	-
B	505	605	-
C	450	550	-
D	375	475	-
E	820	920	-
Weight (kg)	267	272	-

Technical drawing



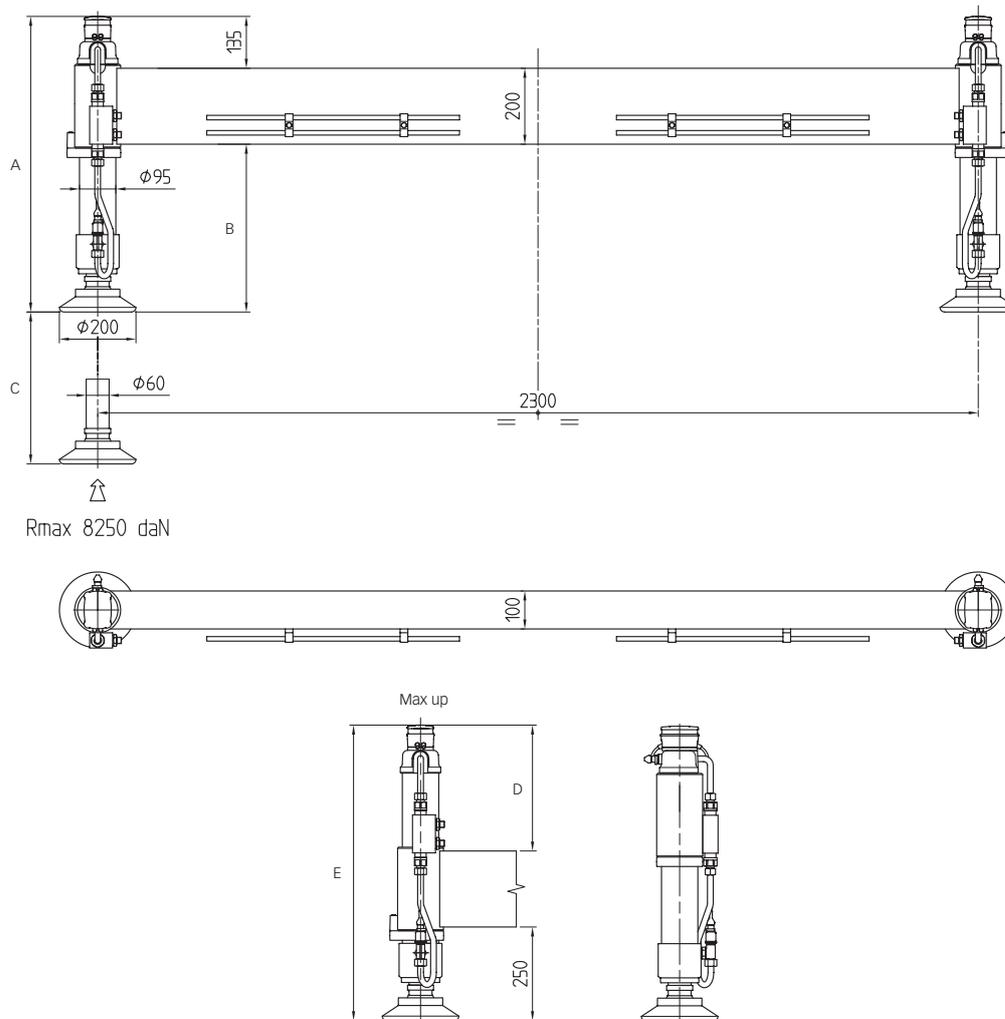
Accessories

For stabiliser beam model	ALL	F	EMO	EHO	EMA	EHA
Swivel foot 160 mm	3381030	-	-	-	-	-
Dual side controls, 2 f.	-	3385434	3385434	-	3385434	-
Dual side controls, 4 f.	-	-	-	3380904	-	3380912
Rod extension 120 mm	3380866	-	-	-	-	-
Support plates 300x300x30	3395791	-	-	-	-	-

HIAB EXTRA STABILISERS 18 – 35 TM

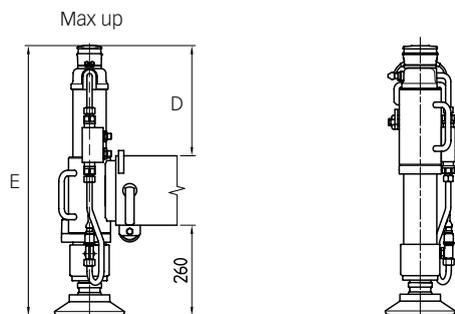
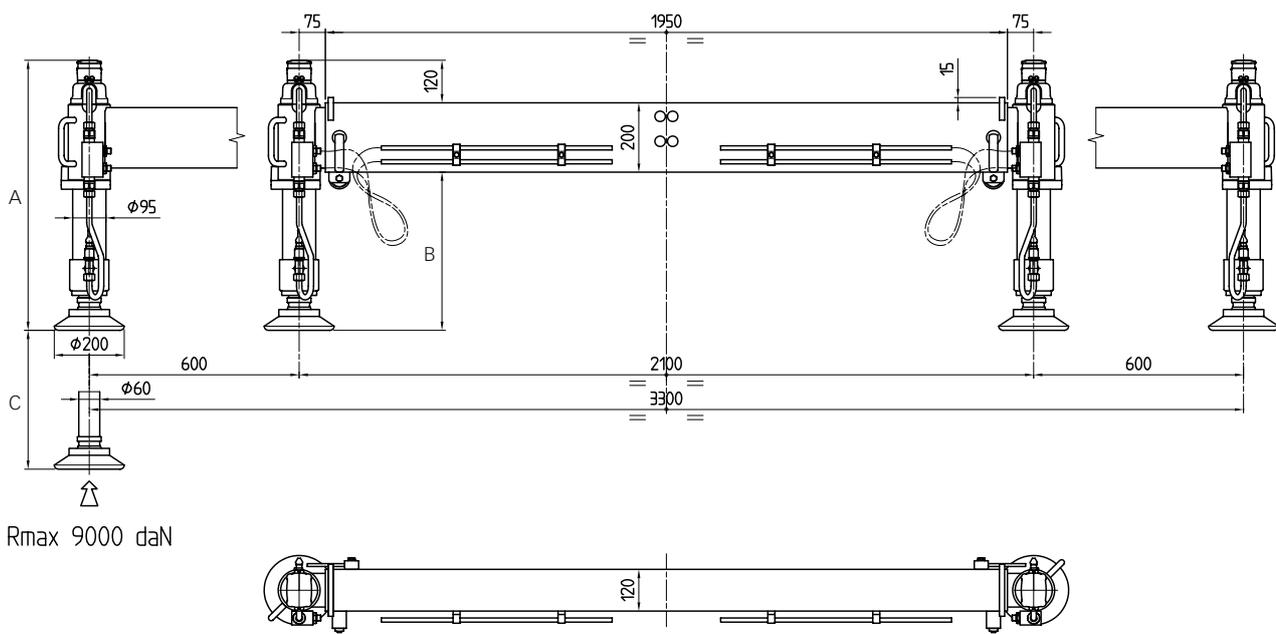
Technical data 2 F	S K	K	L K	S-GIR	GIR
Part no. Non – CE	3384675	3384667	3384683	3385175	3385183
Part no. On/off sensors	3393640	3393658	3393666	3398641	3398650
A	780	930	1030	-	-
B	445	559	695	-	-
C	400	550	650	-	-
D	330	480	580	-	-
E	780	930	1030	-	-
Weight (kg)	170	180	185	-	-

Technical drawing



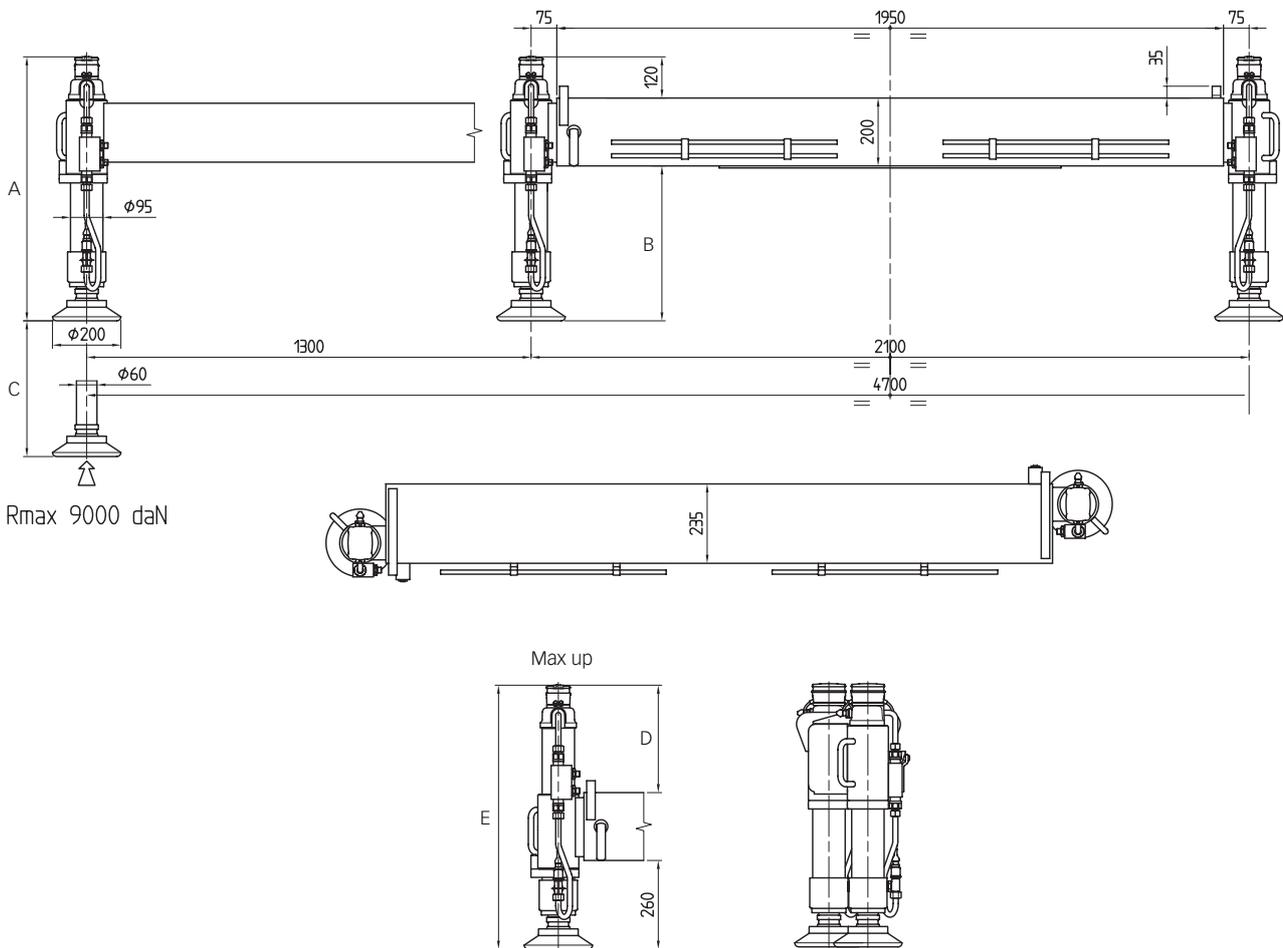
Technical data 2 EMO	S K	K	L K	S-GIR	GIR
Part no. Non – CE	3384705	3384691	3384713	3385221	3385230
Part no. On/off sensors	3393712	3393721	3393739	3398668	3398676
A	780	930	1030	-	-
B	460	610	710	-	-
C	400	550	650	-	-
D	320	470	570	-	-
E	780	930	1030	-	-
Weight (kg)	225	235	240	-	-

Technical drawing



Technical data 2 EMA	S K	K	L K	S-GIR	GIR
Part no. Non – CE	3384764	3384756	3384772	3385281	3385299
Part no. On/off sensors	3393810	3393828	3393836	3398706	3398714
A	780	930	1030	-	-
B	460	610	710	-	-
C	400	550	650	-	-
D	320	470	570	-	-
E	780	930	1030	-	-
Weight (kg)	325	335	340	-	-

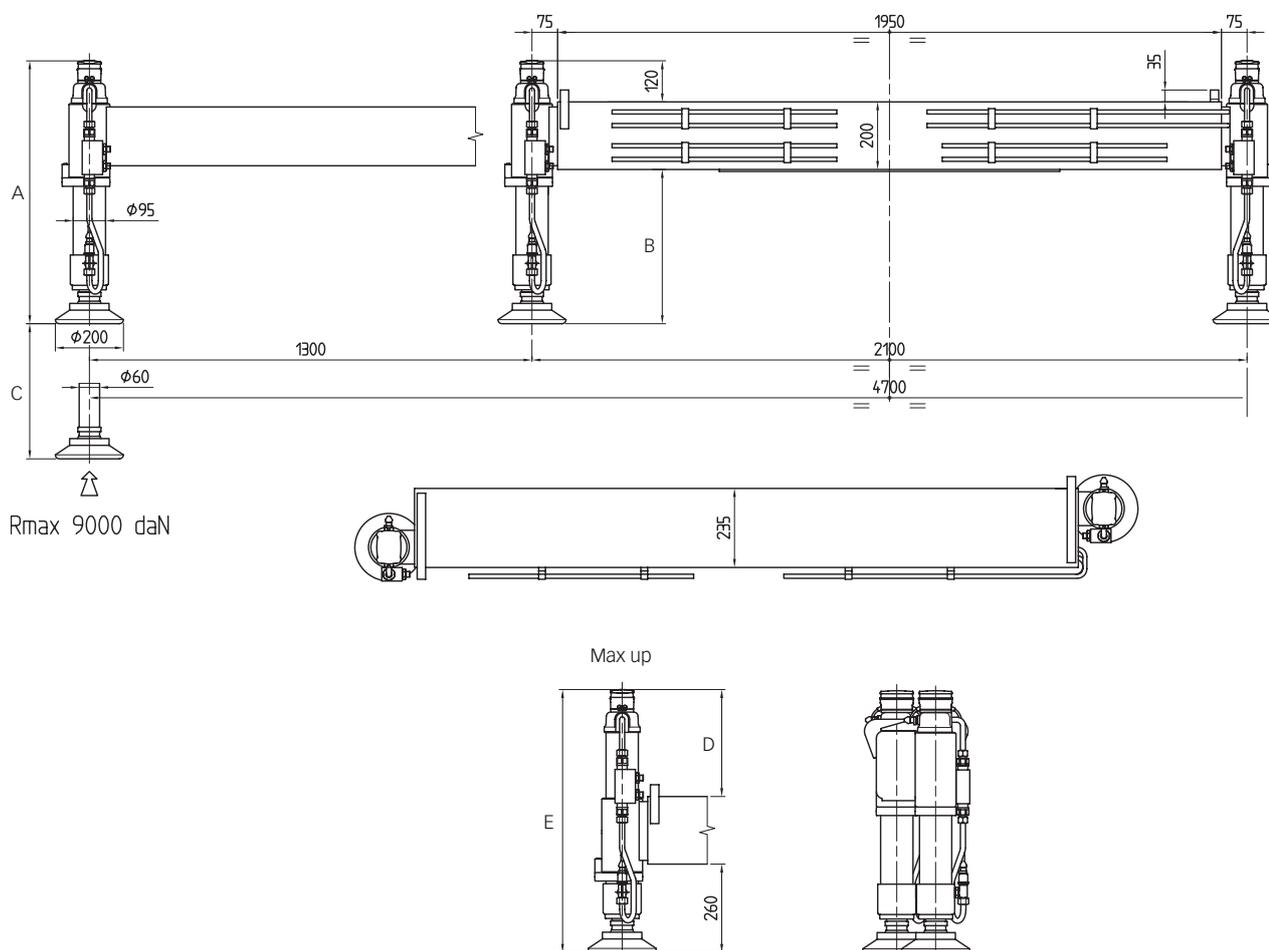
Technical drawing



HIAB EXTRA STABILISERS 18 – 35 TM

Technical data 2 EHA	S K	K	L K	S-GIR	GIR
Part no. Non – CE	3384799	3384781	3384802	3385311	3385329
Part no. On/off sensors	3393844	3393852	3393861	3398722	3398731
A	780	930	1030	-	-
B	460	610	710	-	-
C	400	550	650	-	-
D	320	470	570	-	-
E	780	930	1030	-	-
Weight (kg)	365	375	380	-	-

Technical drawing



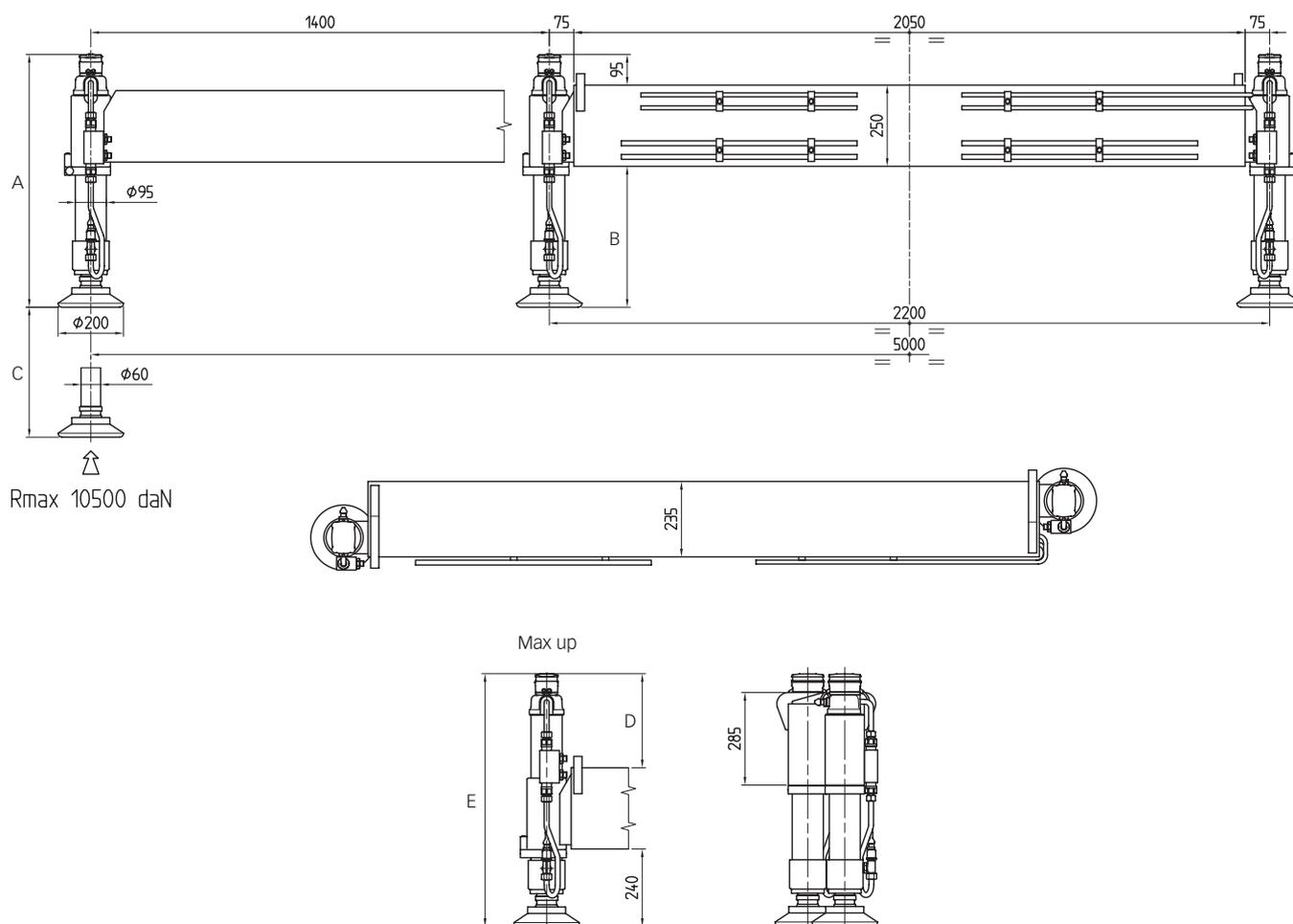
Accessories

For stabiliser beam model	ALL	EMO	EHO	EMA	EHA
Swivel foot 200 mm	3380891	-	-	-	-
Dual side controls, 2 f.	-	3385434	-	3385434	-
Dual side controls, 4 f.	-	-	3380904	-	3380912
Rod extension 120 mm	3380874	-	-	-	-
Support plates 400x400x50	3395804	-	-	-	-

HIAB EXTRA STABILISERS 30 – 45 TM

Technical data 3 EHA	S K	K	L K	S-GIR	GIR
Part no. Non – CE	3384829	3384811	3384837	3385337	3385345
Part no. Analogue - wire sensors	3398544	3398552	3398561	3398579	3398587
A	780	930	1030	-	-
B	435	585	685	-	-
C	400	550	650	-	-
D	290	440	540	-	-
E	780	930	1030	-	-
Weight (kg)	415	425	430	-	-

Technical drawing



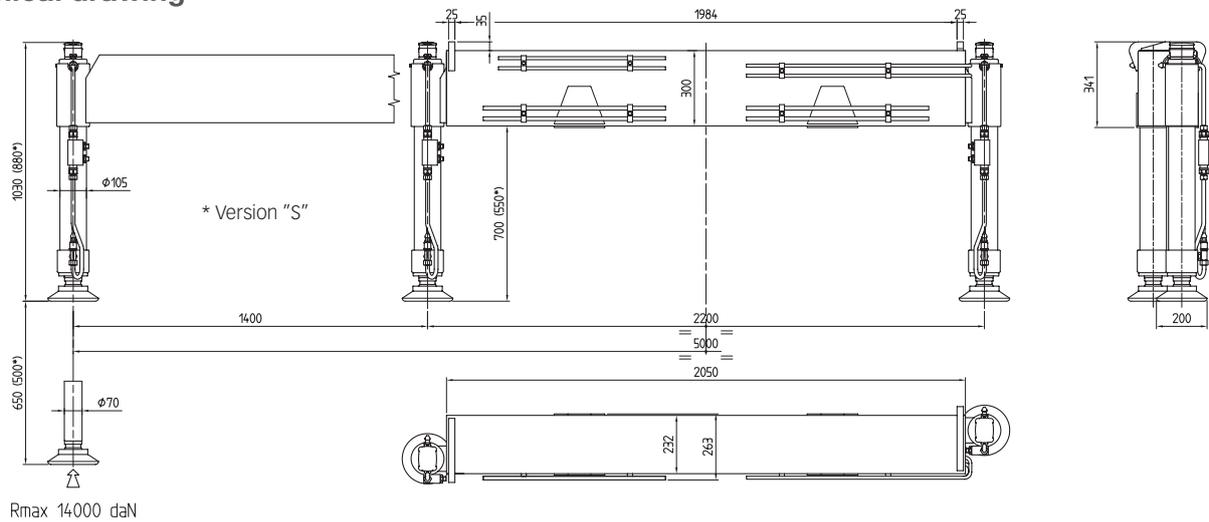
HIAB EXTRA STABILISERS 40 – 60 TM

Stabiliser leg modell 4 EHA	---	P	S	S-P	S-P AR	S-P AR PF
Part no. Non – CE	3384853	3385027	3384845	3385001	3385019	3397793
Part no. Analogue - wire sensors	3398471	3398480	3398498	3398501	3398510	-

Stabiliser leg modell 4 EHA - GIR	S-P AR	S-P AR PF
Part no. Non – CE	3385388	3385353
Part no. Analogue - wire sensors	3398528	3398536

4 ECLHA	
Part no. Non – CE	3397319
Part no. Analogue - wire sensors	3398463

Technical drawing



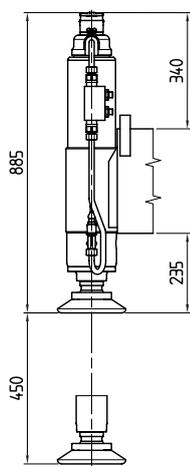
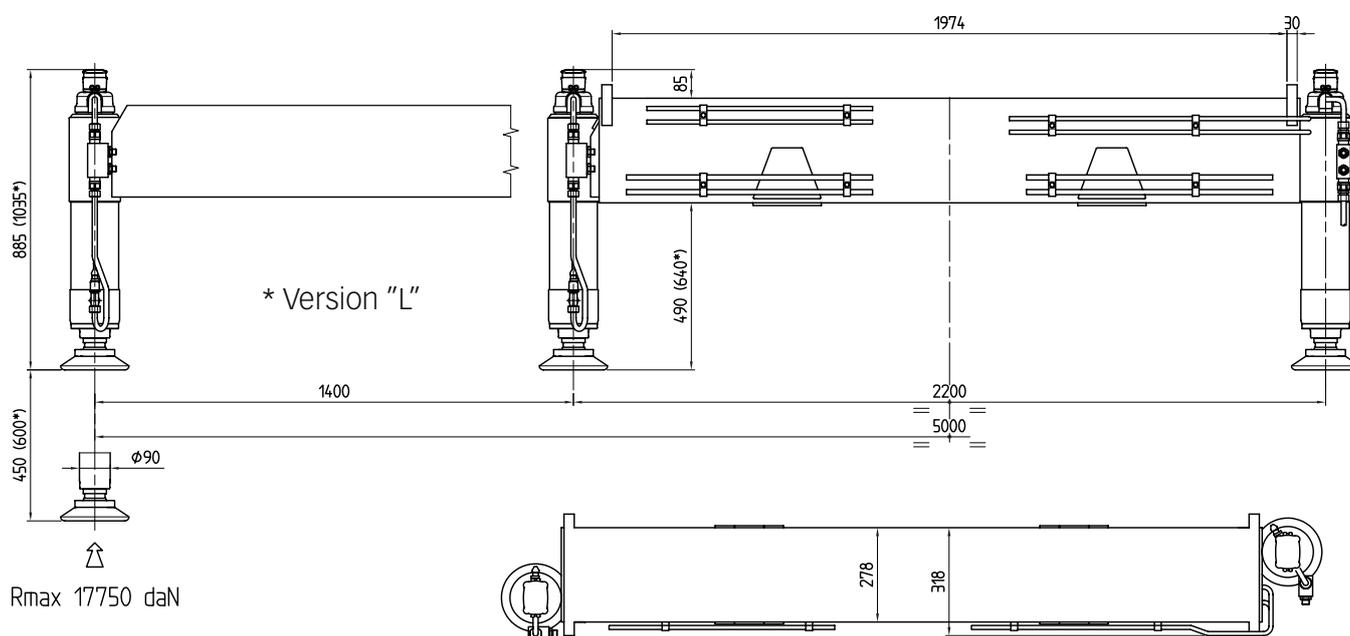
Accessories

For stabiliser beam model	ALL	3 EHA	4 EHA
Dual side controls, 4 f.	-	3380912	3380912
Rod extension 120 mm	3380874	-	-
Hose reels	-	-	3385451
Support plates 500x500x60	3395812	-	-

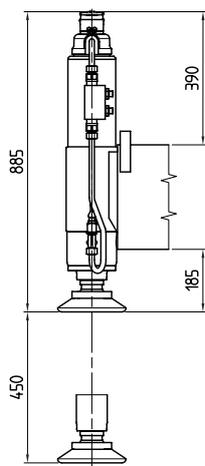
HIAB EXTRA STABILISERS 50 – 80 TM

Stabiliser leg modell 5 EHA	S	S-P	S-P AR	L	S-GIR	S-P CP AR
Part no. Non – CE	3384861	3385035	3385043	3384870	3385370	3397424
Part no. Analogue - wire sensors	3398404	3398412	3398421	3398439	3398447	3398455
Weight (kg)	680					

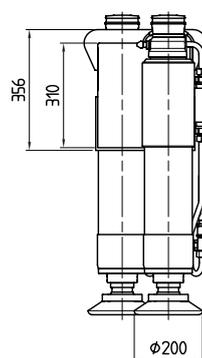
Technical drawing



Version S-P



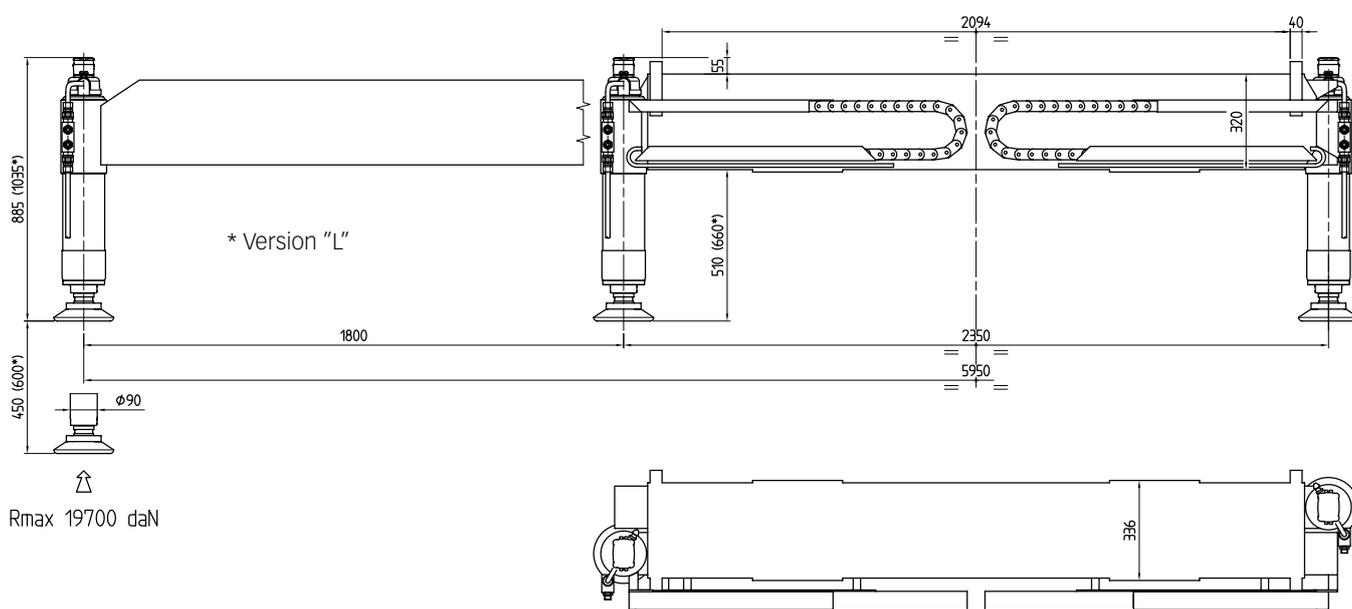
Version S-P AR



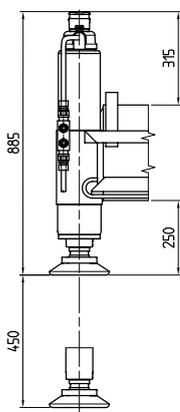
HIAB EXTRA STABILISERS 50 – 80 TM

Stabiliser leg modell 5 ELHA	S	S-P	S-P AR	L	S-P CP AR
Part no. Non – CE	3384888	3385051	3385060	3384896	3397432
Part no. Analogue - wire sensors	3398331	3398340	3398358	3398366	3398374
Weight (kg)	830				

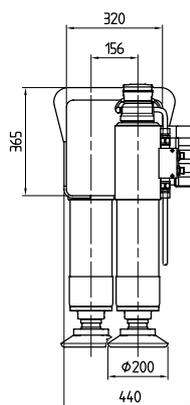
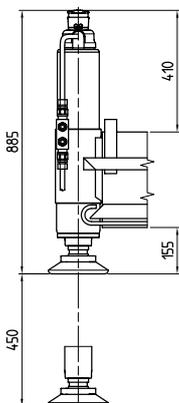
Technical drawing



5 ELHA SP



5 ELHA SP/AR



Stabiliser leg modell 5 EXHA	S	S-P	S-AR	L-AR	S-GIR	S-P CP AR
Part no. Non – CE	3384900	3385078	3385086	3384918	3385396	-
Part no. Analogue - wire sensors	3398251	3398269	3398277	3398285	3398293	3398382

Stabiliser leg modell 5 EXPHA	S	S-P	L
Part no. Non – CE	3384926	3385094	3384934
Part no. Analogue - wire sensors	3398307	3398315	3398323

Accessories

For stabiliser beam model	ALL	EHA	ELHA	EXHA	EXPHA
Dual side controls, 4 f.	-	3380912	3385442	-	-
Rod extension 120 mm	-	-	-	-	-
Hose reels	-	3385451	3385451	3385469	(included)
Support plates 500x500x60	3395812	-	-	-	-

HIAB EXTRA STABILISERS 70 – 100 TM

Stabiliser leg modell 6 EXHA	S	S-P	S-AR	L-AR	S-GIR	S-P CP AR
Part no. Non – CE	3384942	3385108	3385116	3384951	3385418	-
Part no. Analogue - wire sensors	3398170	3398188	3398196	3398200	3398218	3398391

Stabiliser leg modell 6 EXPHA	S	S-P	L
Part no. Non – CE	3384969	3385124	3384977
Part no. Analogue - wire sensors	3398226	3398234	3398242

HIAB EXTRA STABILISERS 90 – 140 TM

Stabiliser leg modell 7 EXPHA	S	S-P	L
Part no. Non – CE	3384985	3385132	3384993

Accessories

For stabiliser beam model	ALL	6 EXHAA	6 EXPHA	7EXPHA
Hose reels	-	3385469	(included)	(included)
Support plates 500x500x60	3395821	-	-	-

CYLINDERS FOR FRONT CHASSIS MOUNTING

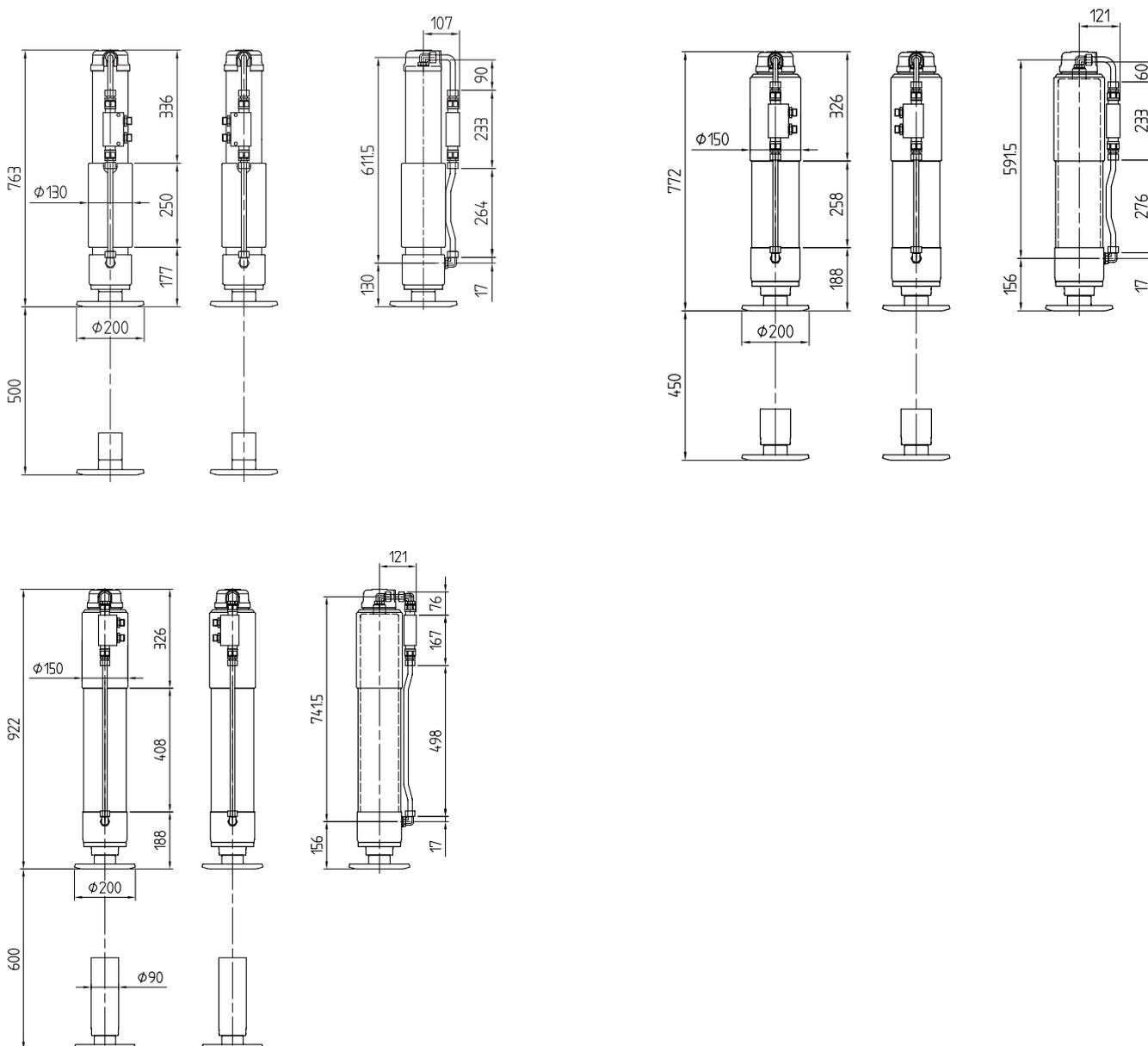
Technical data	GR 4/S-P	GR 5/S	GR 5/L
Part no.*	3399559	3399567	3399567
Part no.**	3399583	3399591	399605
Max Force (daN)	19000	25000	25000
Weight (kg)	57	79	92

*Single Front Cylinder

**Single Front Cylinder prepared for VSL Sensors

Accessories	Part no.
Electronic Kit for VSL	3864219
Splitter (for 2 legs)	3862411

Technical drawing





HIAB POLYP GRAPPLES

with 120-240 litres capacity, KM 650 small

Small orange peel grapple for the handling of bulky scrap, the KM 650 small for various applications is available with different tine shapes, different volumes (120l, 180l, 240l), with 4 or 5 tines.

- Different tine shapes of the KM 650 series to accommodate handling a variety of materials:
 - KM 651: fully closing tines for handling swarf, loose waste, soil, gravel etc.
 - KM 652: half closing tines for handling swarf, scrap, rubbish, waste paper etc.
 - KM 653: pointed tines for bulky scrap, car bodies, bundled waste paper etc.

- Number of tines can be chosen with 4 or 5 tines.
- Long life due to a solid design: the hydraulic cylinder pistons are protected by the gripping arms and the hydraulic hoses, connections and oil distributor are positioned in the robust centre section. Special wear resistant materials used in the production of the gripping arms and oversized bearings ensure a long service life for these sturdy grapples.
- A lifting-eye on the centre section acts as an additional stop.
- Powerful operation with high closing force (11 kN to 13 kN at an operating pressure of 26 MPa).

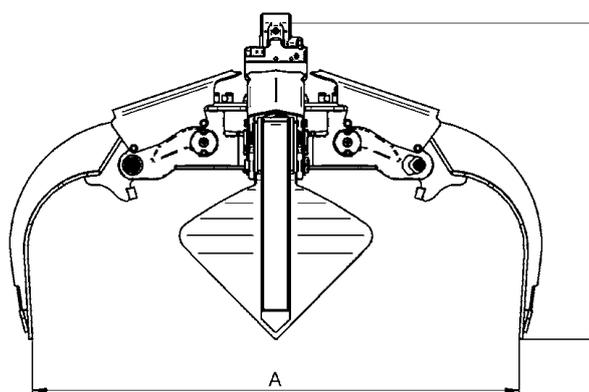
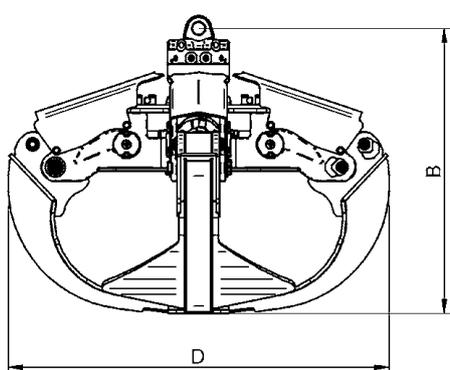
Orange Peel Grapple KM 650 small	KM 651-4	KM 651-5	KM 652-4	KM 652-5	KM 653-4	KM 653-5
Number of tines	4	5	4	5	4	5
Volume 120 (litre) part no.	9855556	9859004	9859039	9859063	9859098	9859128
Volume 180 (litre) part no	9855564	9859012	9859047	9859071	9859101	9859136
Volume 240 (litre) part no	9855572	9859021	9859055	9859080	9859110	9859144
Max. opening A (mm)	1360 1450 1720	1360 1450 1720	1360 1450 1720	1360 1450 1720	1360 1450 1720	1360 1450 1720
Width D, closed (mm)	1065 1070 1125	1065 1070 1125	1065 1070 1125	1065 1070 1125	1065 1070 1125	1065 1070 1125
Height B, closed, incl. rotator (mm)	800 850 985	800 850 985	800 850 985	800 850 985	800 850 985	800 850 985
Self weight, w/o rotator (kg)	330 345 380	350 365 415	260 270 300	300 305 340	230 235 250	275 285 300
Load capacity (kg)	2000 2000 2000	2000 2000 2000	2000 2000 2000	2000 2000 2000	2000 2000 2000	2000 2000 2000
Closing force (kN)	13 12 11	13 12 11	13 12 11	13 12 11	13 12 11	13 12 11

Package consists of: orange peel grapple, non-return valve

Accessories	Description
KM 04 F	Recommended KINSHOFER rotator for KM 650 small

Requirements of truck crane	
Operating pressure	max. 26 MPa (260 bar)
Pump capacity:	30 to 75 l/min

Technical drawing



HIAB POLYP GRAPPLES

with 250-500 litres capacity, KM 650 large

Large orange peel grapple for the handling of bulky scrap, the KM 650 large for various applications is available with different tine shapes, different volumes (250l, 350l, 500l), with 4 or 5 tines.

- Different tine shapes of the KM 650 series to accommodate handling a variety of materials:
 - KM 651: fully closing tines for handling swarf, loose waste, soil, gravel etc.
 - KM 652: half closing tines for handling swarf, scrap, rubbish, waste paper etc.
 - KM 653: pointed tines for bulky scrap, car bodies, bundled waste paper etc.

- Number of tines can be chosen with 4 or 5 tines.
- Long life due to a solid design: the hydraulic cylinder pistons are protected by the gripping arms and the hydraulic hoses, connections and oil distributor are positioned in the robust centre section. Special wear resistant materials used in the production of the gripping arms and oversized bearings ensure a long service life for these sturdy grapples.
- A lifting-eye on the centre section acts as an additional stop.
- Powerful operation with high closing force (13 kN to 18 kN at an operating pressure of 26 MPa).

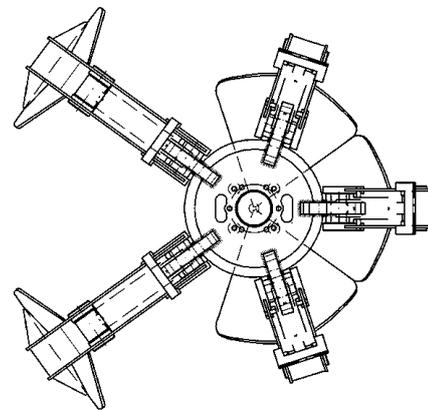
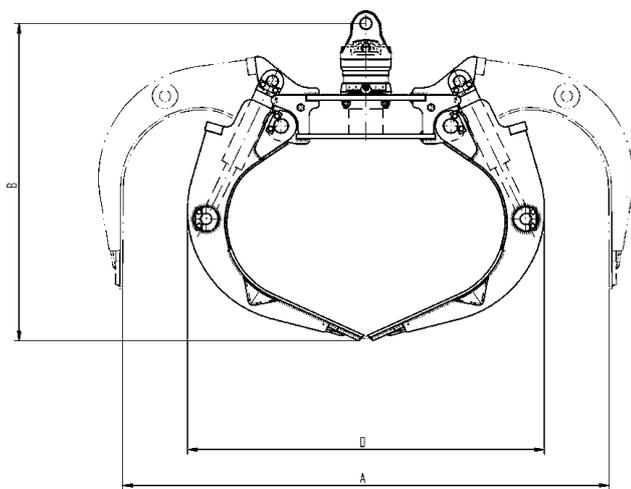
Orange Peel Grapple KM 650 large	KM 651-4	KM 651-5	KM 652-4	KM 652-5	KM 653-4	KM 653-5
Number of tines	4	5	4	5	4	5
Volume 250 (litre) part no.	9849599	9849629	9849688	9849718	9849777	9849807
Volume 350 (litre) part no.	9849602	9849637	9849696	9849726	9849785	9849815
Volume 500 (litre) part no.	9849611	9849645	9849700	9849734	9849793	9849823
Max. opening A (mm)	1550 1720 2155	1550 1720 2155	1550 1720 2155	1550 1720 2155	1550 1720 2155	1550 1720 2155
Width D, closed (mm)	1285 1260 1320	1285 1260 1320	1285 1260 1320	1285 1260 1320	1285 1260 1320	1285 1260 1320
Height B, closed, incl. rotator (mm)	1015 1100 1350	1015 1100 1350	1015 1100 1350	1015 1100 1350	1015 1100 1350	1015 1100 1350
Self weight, w/o rotator (kg)	445 470 555	520 545 635	425 440 505	505 520 595	390 395 435	470 480 525
Load capacity (kg)	2500 3000 3000	2500 3000 3000	2500 3000 3000	2500 3000 3000	2500 3000 3000	2500 3000 3000
Closing force (kN)	18 16 13	18 16 13	18 16 13	18 16 13	18 16 13	18 16 13

Package consists of: orange peel grapple, non-return valve

Accessories	Description
KM 04 F	Recommended KINSHOFER rotator for KM 650 large
KM 06 F140-40	Recommended KINSHOFER rotator for KM 650 large – for heavy duty application

Requirements of truck crane	
Operating pressure	max. 26 MPa (260 bar)
Pump capacity:	30 to 80 l/min

Technical drawing



BOTTLE BANK DISCHARGE UNIT

KINSHOFER container discharge attachments with ring system are characterised by short cycle times and an attractive acquisition price. Containers can be emptied even faster and more cost effectively with a one-man operation.

Bottle bank discharge unit KM 920-1 for container with ring system / low overall height

- Low overall height due to compact design.
- Rugged engineering with rope operation.
- Hooks on automatically when container is lifted.
- Precise positioning with KINSHOFER rotator.
- Protection against damage of container by automatic lift stop.

Bottle bank discharge unit KM 920-11 for container with ring system

- Robust mechanics with few moving parts and guided lifting hook.
- Precise positioning with KINSHOFER rotator, due to the use of a rotator with vertical oil ducts no externally installed hydraulic hoses are necessary.
- Pressure relief valve ensures independence of crane operating pressure.
- Protection against damage of container by automatic lift stop.

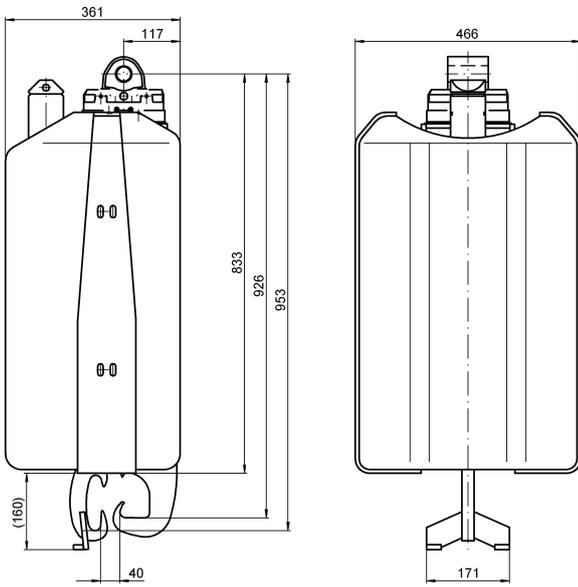
Technical data	KM 920-1*	KM 920-11**
Part no.	3391841	3391361
Max. lift of the hook (mm)	500	500
Load capacity	2200	2500
Height, incl. rotator (mm)	955	1400
Self weight (kg)	170	175
Max. operating pressure (MPa(bar))	21 (210)	32 (320)
Max. pump capacity (l/min)	60	60

*Package consists of bottle bank discharge unit, rotator, short connecting hoses KM 203 01, upper suspension with pendulum damper KM 511 4500, non-return valve

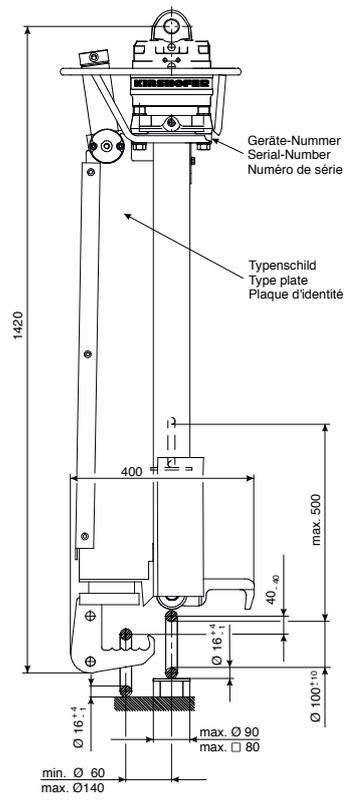
** Package consists of bottle bank discharge unit, rotator KM 04 F140-30V, short connecting hoses KM 203 01, non-return valve, upper suspension with pendulum damper KM 511 4500, pressure relief valve

Accessories	KM 924
Description	Docking device for bottle bank discharge units: it allows the discharge unit to be hydraulically docked and locked onto the crane jib. When unlocked, acts as a hydraulic pendulum damper. A solenoid valve for switch-over between the hydraulic circuits is included. Please state crane model when ordering. Operating pressure 28 MPa (280 bar).
Part no.	3391850
Tilting angle (deg.)	90
Self weight (kg)	70

Technical drawing



KM 920-1



KM 920-11

BOTTLE BANK DISCHARGE UNIT

KINSHOFER container discharge attachments with the fast KINSHOFER mushroom system are characterised by short cycle times and an attractive acquisition price. Containers can be emptied even faster and more cost effectively with a one-man operation.

Bottle bank discharge unit KM 920-12 for container with KINSHOFER mushroom system

- Robust mechanics with self centring hydraulic interlocking.
- Precise positioning with KINSHOFER rotator, direct hose routing.
- Independence of crane operating pressure due to the pressure relief valve.
- Protection against damage of container by automatic lift stop and an additional height control system.

Bottle bank discharge unit KM 921 for container with KINSHOFER mushroom system or ring system

- Combination model: without any adjustments both types of containers can be handled – with KINSHOFER mushroom system or ring system.
- Low overall height due to compact design.
- Robust mechanics with self locking spindle.
- Precise positioning with KINSHOFER rotator.
- Pressure relief valve ensures independence of crane operating pressure.
- Protection against damage of container by automatic lift stop and an additional height control system.

Technical data	M 920-12*	KM 921**
Part no.	3391370	3391337
Max. lift of the hook (mm)	500	500
Volume (kg)	2500	2500
Height, incl. rotator (mm)	1490	1055
Self weight (kg)	175	170
Max. operating pressure (MPa(bar))	32 (320)	32 (320)
Max. pump capacity (l/min)	60	60

* Package consists of bottle bank discharge unit, rotator KM 04 F, short connecting hoses KM 203 01, upper suspension with pendulum damper KM 511 4500, pressure relief valve and non-return valve

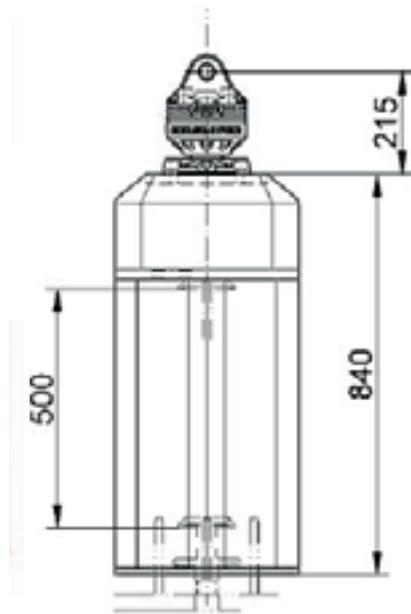
** Package consists of bottle bank discharge unit, rotator KM 04 F, short connecting hoses KM 203 01, upper suspension with pendulum damper KM 511 4500, pressure relief valve

Accessories	KM 924
Description	Docking device for bottle bank discharge units: it allows the discharge unit to be hydraulically docked and locked onto the crane jib. When unlocked, acts as a hydraulic pendulum damper. A solenoid valve for switch-over between the hydraulic circuits is included. Please state crane model when ordering. Operating pressure 28 MPa (280 bar).
Part no.	3391850
Tilting angle (deg.)	90
Self weight (kg)	70

Technical drawing



KM 920-12



KM 921

BOTTLE BANK DISCHARGE UNIT

Hydraulic hook KM 920-4 for containers and loads with ring system

The hydraulic hook facilitates the fast and precise lifting and loosening of containers and loads with ring system.

- Precise positioning in combination with KINSHOFER rotator.
- Low overall height due to compact design.
- Robust mechanics with hydraulic cylinder (open/close).
- V-shaped cutout facilitates ring suspension.
- Vertical oil duct to recommended rotator without open hydraulic hoses.

Technical data	KM 920-4*
Part no. (incl rotator KM 04F140-30V)	3392422
Part no. (without rotator)	3392431
Width (mm)	264
Height, incl. rotator (mm)	592
Max. ring - Ø (mm)	38
Self weight, w/o rotator (kg)	20
Max. operating pressure (MPa(bar))	20 (200)
Max. load (kg)	2500

*Package consists of hydraulic hook, non-return valve

Accessories	KM 04 F140-30V	KM 501 4500	KM 206
Description	Recommended KINSHOFER-rotator with vertical oil ducts - load capacity 4500 kg	Upper suspension - load capacity 4500 kg	Hose guard

BARRIER LIFTER

The KM 932MB Barrier Lifter is a mechanical grapple for fast and convenient handling of concrete barriers and blocks.

Safe

Carbide gripping pads ensure safe operation, even on wet or coated surfaces.

Efficient

The fully integrated, mechanically operated “latch & release” system allows the unit to function independently, without assistance from a ground man.

Versatile

Multi-position arms are a standard feature. This means one unit can achieve different gripping ranges by simply changing a pin position.

Cost-effective

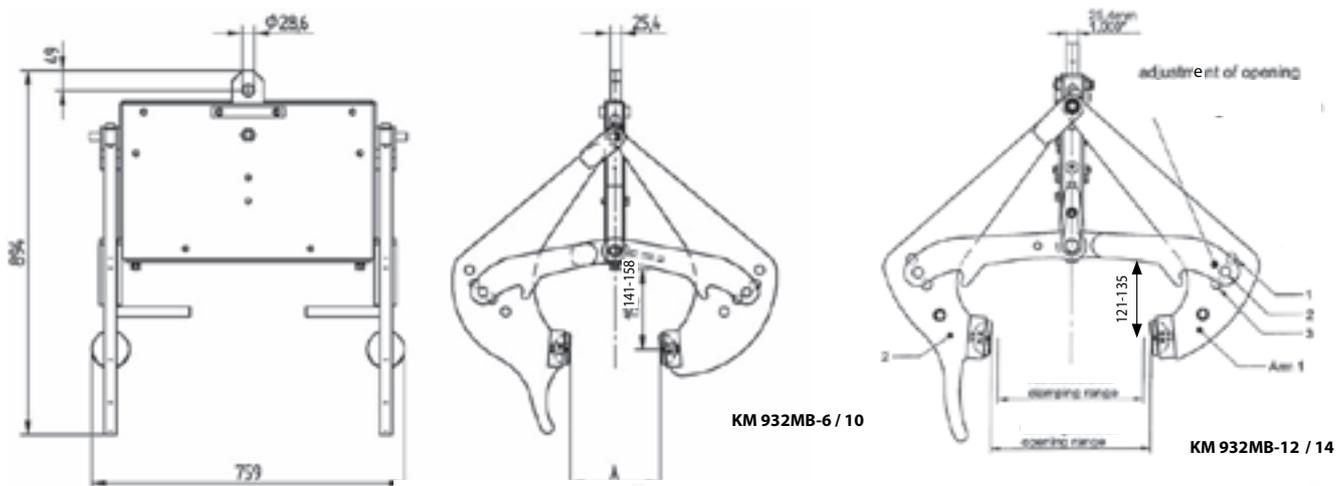
The elimination of slings and chains means more cycles can be achieved per hour.

Fast

The “latch & release” system functions automatically each time the load line is slackened.

Technical data	KM 932MB-6/10	KM 932MB-12/14
Part no.	3399010	3399028
Gripping A, min./max. (mm)	100 – 300	285 – 400
Self weight (kg)	150	115
Load capacity (kg)	6580	6580

Technical drawing



KM 932MB

DRIVE UNITS FOR AUGERS

For use on truck mounted cranes, KM 250 auger drives are an economical, robust solution for drilling holes for fence posts, poles, foundations and landscaping. Application specific wear parts and augers mean our auger packages are tailor-made to suit your needs.

Profitable

With better speed and precision than alternative drilling methods, the KM 250 drive units and augers save you time, labour and filling materials.

Adaptable

A range of drive units with different auger diameters and digging teeth means a KM 250 is available for all types of truck cranes, and suitable for a wide variety of applications.

Durable

Designed and built to last, KM 250 series drive units can handle hundreds of consecutive cycles.

Features

Drive units

- steel housing can withstand high shock loading
- output shaft and gear carrier are a robust, one-piece construction
- components run in a maintenance free, constant oil bath
- gears can easily be shifted from forward to reverse to quickly free the unit from being jammed

Augers

- teeth are set on a continuous spiral to provide maximum penetration and uniform performance

Wear parts

- rubber locking system makes teeth easy to exchange
- using a hammer and punch, tooth exchange is done on-site
- Two teeth options:
 - Allround Teeth – BS-A: made of tempered material, bolt-on teeth are suitable for earth and clay
 - Strong Tungsten Teeth – BS-S: tungsten tipped, suitable for medium-rich soil, stony or frozen ground, heavy clay or asphalt

Technical data	KM 250-01	KM 250-03	KM 250-05	KM 250-07
Part no.	3396924	3391957	3396932	3391965
Torque, at 200 bar (Nm)	1952	3750	5500	7400
Operating pressure (MPa(bar))	20 (200)	20 (200)	20 (200)	24 (240)
Recommended oil flow (l/min)	25 to 60	40 to 75	50 to 115	70 to 140
Output shaft (mm square)	57	57	57	57
Self weight (kg)	45	65	80	95
Recommended type of truck crane (MT)	7	7	7	15
Upper connection, width x pin-Ø (mm)	84 x 30	84 x 30	84 x 30	84 x 30

AUGERS FOR DRIVE UNITS

	BS-150-57A	BS-200-57A	BS-225-57A	BS-250-57A	BS-300-57A	BS-350-57A	BS-400-57A	BS-450-57A	BS-500-57A	BS-600-57A
Technical data										
Part no.	3392228	3392236	3392244	3392252	3392261	3392279	3392287	3392295	3392309	3392317
Application	Standard duty									
Diameter of auger (mm)	150	200	225	250	300	350	400	450	500	600
Length of auger, without extension (mm)	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
Wear parts type / teeth qty.	A / 2	A / 2	A / 2	A / 2	A / 4	A / 4	A / 6	A / 6	A / 8	A / 8
Self weight (kg)	28	31	36	39	46	50	52	54	72	81

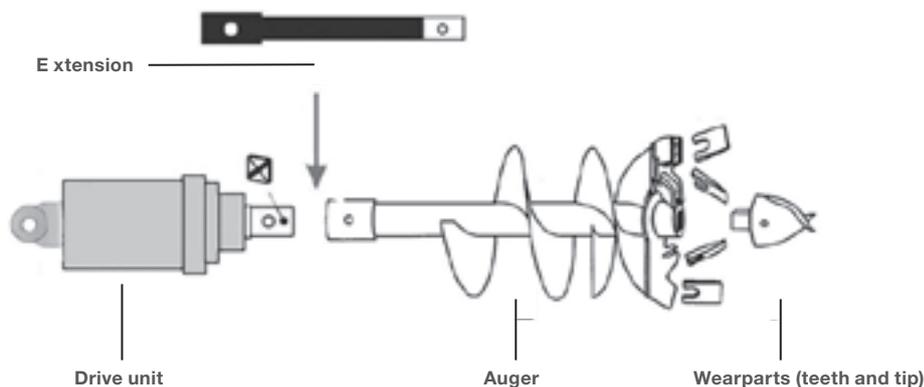
Package consists of auger, wear parts (teeth and tip).

	BS-150-57S	BS-200-57S	BS-225-57S	BS-250-57S	BS-300-57S	BS-350-57S	BS-400-57S	BS-450-57S	BS-500-57S	BS-600-57S
Technical data										
Part no.	3392325	3392333	3392341	3392350	3392368	3392376	3392384	3392392	3392406	3392414
Application	Heavy duty									
Diameter of auger (mm)	150	200	225	250	300	350	400	450	500	600
Length of auger, without extension (mm)	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
Wear parts type / teeth qty.	S / 2	S / 2	S / 2	S / 2	S / 4	S / 4	S / 6	S / 6	S / 8	S / 8
Self weight (kg)	28	31	36	39	46	50	52	54	72	81

Package consists of auger, wear parts (teeth and tip).

Accessories	KM 501 4500	KM 511 4500	BV-1000-57	BV-1500-57
Part no.	9854037	3390632	3391990	3392007
Description	Upper suspension between rotator and crane – load capacity 4500 kg.	Per suspension with pendulum damper – load capacity 4500 kg.	Rigid extension for augers – length 1000 mm (25 kg).	Rigid extension for augers – length 1500 mm (34 kg).

Technical drawing



MANIPULATOR

A hydraulically operated attachment used for positioning tubes or poles, the KM 930 is for use on loader cranes with three functions. Flange mounting on the mechanical extension of the crane.

Manoeuvrability

Through three hydraulic functions gripping, lifting and turning (rotation and tilting) of straight round poles (three hydraulic circuits are necessary). Unlimited angle of rotation.

Precision operation

Assured through continuous rotation, equipped with mechanically operating, hydraulic pilot controlled brake to prevent unintentional rotation.

Heavy loads

Of 500 kg up to 3000 kg can be handled by the KINSHOFER manipulators.

Technical data	KM 930-500	KM 930-1000	KM 930-2000	KM 930-3000
Part no.	3398960	3398978	3398986	3398994
Load capacity (kg)	500	1000	2000	3000
Gripping Ø, min./max. (mm)	100 / 300	100 / 300	250 / 600	250 / 600
Width B (mm)	785	1275	1365	1630
Number of tines	1	2	4	6
Self weight (kg)	235	310	865	1085
Closing force (kN)	11	23	25	39

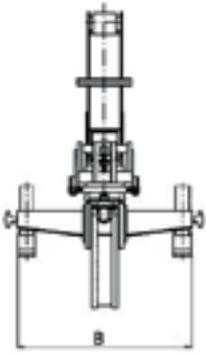
Package consists of manipulator, KINSHOFER rotator, hydraulic pilot controlled brake, non-return valve

Please note: tubes or poles have to be grabbed always in the centre of gravity

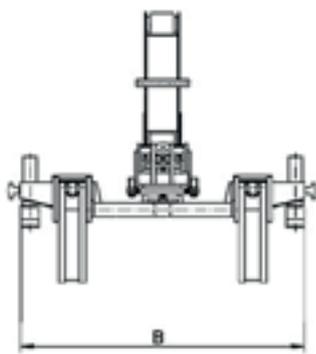
Accessories	KM 980-2	KM 980-2 c
Part no.	3399001	-
Description	Solenoid valve for additional oil circuit to change over to 3 circuits (for gripping, lifting, turning) when only 2 circuits are available, ready for mounting – 12 V or 24 V, working pressure max. 250 bar, oil flow 60 l/min (do-it-yourself assembly).	Solenoid valve KM 980-2 complete attachment kit including assembly components, hose guard, hoses and mounting on the KM 930 manipulator – 12 V or 24 V, working pressure max. 250 bar, oil flow 60 l/min.

Requirements of truck crane	
Operating pressure (MPa (bar))	Max. 20 (200)
Pump capacity (l/min)	20 to 40

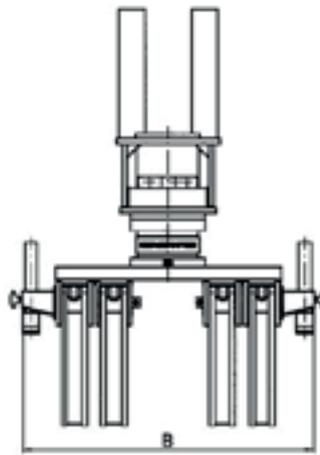
Technical drawing



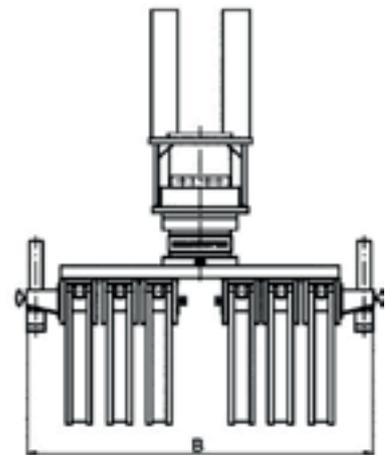
KM 930-500



KM 930-1000



KM 930-2000



KM 930-3000

BUILT TO PERFORM

Hiab is the world's leading provider of on-road load handling equipment. Customer satisfaction is the first priority for us. Hiab's product range includes HIAB loader cranes, JONSERED recycling and forestry cranes, LOGLIFT forestry cranes, MOFFETT truck-mounted forklifts and MULTILIFT demountables, as well as DEL, WALTCO and ZEPRO tail lifts.

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