



STANDARD

WWW.HSP.SE

THE ORIGINAL

The twin cylinders* in the standard grapple provide low and even shaft loading, which means less wear. The design of the claws allows the logs to roll in gently, fills the grapple efficiently, and ensures that the load stays in place. This grapple works quickly and easily on all types of material

- Twin cylinders*
- Twin boom tubes
- Expander pins
- Reliable and user friendly
- Extremely high quality
- Powder coated
- Made from high grade steel

GRAPPLE DIMENSIONS		015*	020*	025	028	035	040	055	080**	100**
Max Working Pressure	MPa	23	23	23	23	23	23	23	19	19
Tip force, tip to tip	kN	9,3	8,7	17	16,7	16,1	16,2	16,0	35	39
Opening time at 70l/min	s	0,4	0,4	0,8	0,9	1,0	1,1	1,7	3,6	4,2
Closing time at 70l/min	s	0,6	0,6	1,4	1,5	1,6	1,7	2,5	5,2	6,0
Length, Closed grapple	mm	740	780	800	830	885	970	1110	1355	1490
Maximum grapple opening	mm	1170	1400	1450	1690	1880	2070	2390	2840	3015
Max width	mm	397	397	488	488	526	526	526	800	800
Width, outer claw	mm	355	355	434	434	472	472	472	714	714
Height, closed grapple	mm	510	510	540	530	565	610	695	835	950
Height, open grapple	mm	685	645	690	635	600	630	715	890	1100
Min load diameter	mm	90	95	110	110	120	140	160	175	225
Load area	m ²	0,15	0,20	0,25	0,28	0,35	0,40	0,55	0,80	1,0
Max load	kg	2000	2000	3500	3500	5000	5000	5000	6500	7500
Weight	kg	120	130	225	230	255	285	325	680	850

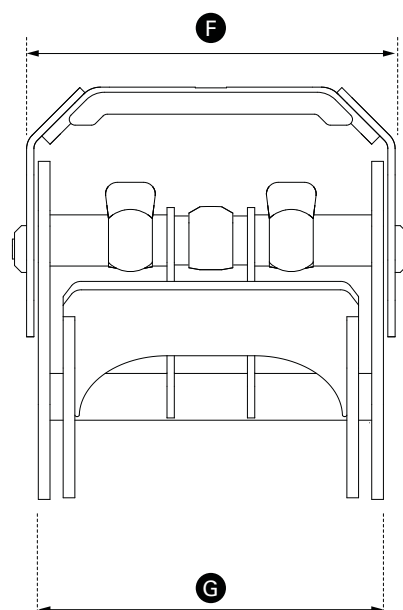
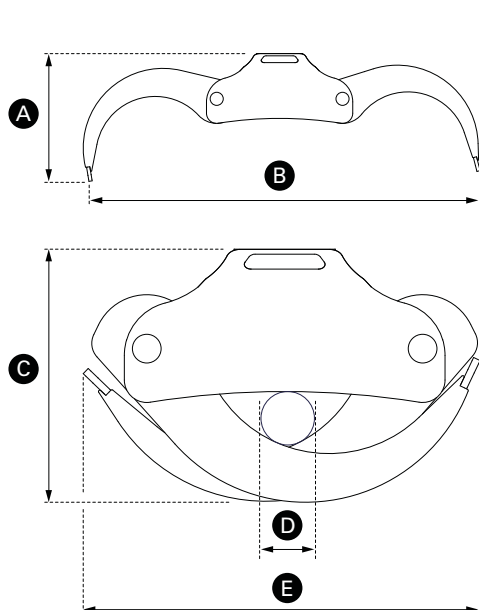
* Models 015 and 020 work with one cylinder. ** The 080 model is designed for GV fastening as standard, The 100 model is designed for IR fastening as standard.

We reserve the right to modify products and amend specifications without prior notice, with reservation for any printing errors.

HSP Gripen
of Sweden

**THE ORIGINAL.
IN 50 DIFFERENT WAYS.**

DIMENSIONS



- A** Height, open grapple
- B** Maximum grapple opening
- C** Height, closed grapple
- D** Min load diameter
- E** Length, Closed grapple
- F** Max width
- G** Width, outer claw

11-0004 album.se | English

ACCESSORIES

Do you want to upgrade your grapple, or just change a component? You can find the entire range of optional upper mountings, rotators and bucket halves.

Please visit www.hsp.se for a wider range of accessories.



SERVICE | DEALERS

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HEAVYDUTY

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FOR TOUGH JOBS

Our most powerful grapple is designed for heavy lifting and tough jobs. This makes them particularly suitable for clear-cutting forwarders etc. The steel plates are thicker, the rotator plate is larger, the lower boom tubes are reinforced, which combine to make the Heavy Duty our stiffest grapple.

- Twin cylinders*
- Twin boom tubes
- Expander pins
- Reliable and user friendly
- Extremely high quality
- Powder coated
- Made from high grade steel

GRAPPLE DIMENSIONS		015*	020*	025	028	035	040	055	080**	100**
Max Working Pressure	MPa	23	23	23	23	23	23	23	19	19
Tip force, tip to tip	kN	9,3	8,7	17	16,7	16,1	16,2	16,0	35	39
Opening time at 70l/min	s	0,4	0,4	0,8	0,9	1,0	1,1	1,7	3,6	4,2
Closing time at 70l/min	s	0,6	0,6	1,4	1,5	1,6	1,7	2,5	5,2	6,0
Length, Closed grapple	mm	740	780	800	830	885	970	1110	1355	1490
Maximum grapple opening	mm	1170	1400	1450	1690	1880	2070	2390	2840	3015
Max width	mm	397	397	488	488	526	526	526	800	800
Width, outer claw	mm	355	355	434	434	472	472	472	714	714
Height, closed grapple	mm	510	510	540	530	565	610	695	835	950
Height, open grapple	mm	685	645	690	635	600	630	715	890	1100
Min load diameter	mm	90	95	110	110	120	140	160	175	225
Load area	m ²	0,15	0,20	0,25	0,28	0,35	0,40	0,55	0,80	1,0
Max load	kg	2000	2000	3500	3500	5000	5000	5000	6500	7500
Weight	kg	150	160	250	260	285	320	365	800	930

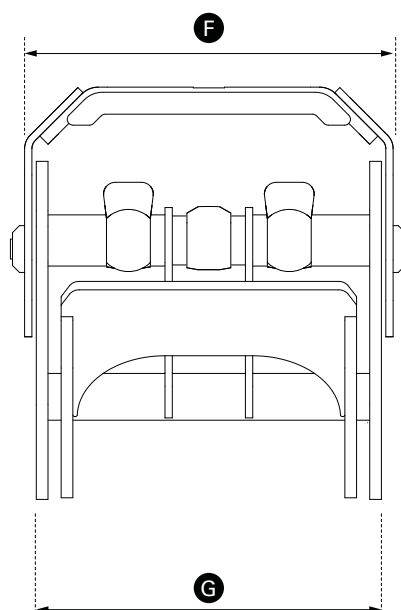
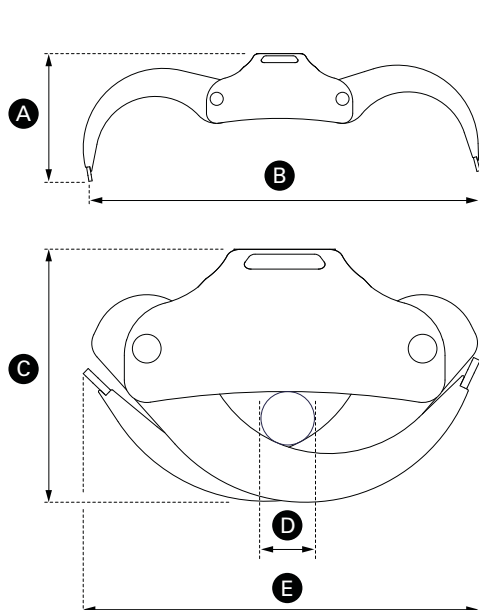
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Gripen
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BIO

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MAXIMISE FOREST YIELD

The Bio model has been designed for quick, easy handling of slash and waste material, parts of trees and other material that is to be chipped to BioFuel, either directly into chippers during felling, or later from a stockpile. The Bio model uses reinforced boom tubes and twice the material thickness in the claws. The Bio also has mechanical end stops, which prevents the cylinders from bottoming. There is also a widened Bio model for stump handling etc.

- Twin cylinders*
- Twin boom tubes
- Expander pins
- Reliable and user friendly
- Extremely high quality
- Powder coated
- Made from high grade steel

GRAPPLE DIMENSIONS		015*	020*	025	028	035	040	055
Max Working Pressure	MPa	23	23	23	23	23	23	23
Tip force, tip to tip	kN	9,3	8,7	17	16,7	16,1	16,2	16,0
Opening time at 70l/min	s	0,4	0,4	0,8	0,9	1,0	1,1	1,7
Closing time at 70l/min	s	0,6	0,6	1,4	1,5	1,6	1,7	2,5
Length, Closed grapple	mm	740	780	800	830	885	970	1110
Maximum grapple opening	mm	1170	1400	1450	1690	1880	2070	2390
Max width	mm	397	397	488	488	526	526	526
Width, outer claw	mm	355	355	434	434	472	472	472
Height, closed grapple	mm	510	510	540	530	565	610	695
Height, open grapple	mm	685	645	690	635	600	630	715
Min load diameter	mm	90	95	110	110	120	140	160
Load area	m ²	0,15	0,20	0,25	0,28	0,35	0,40	0,55
Max load	kg	2000	2000	3500	3500	5000	5000	5000
Weight	kg	135	145	235	240	265	295	335

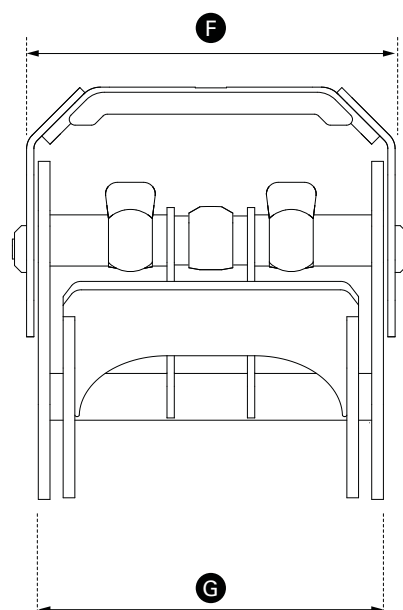
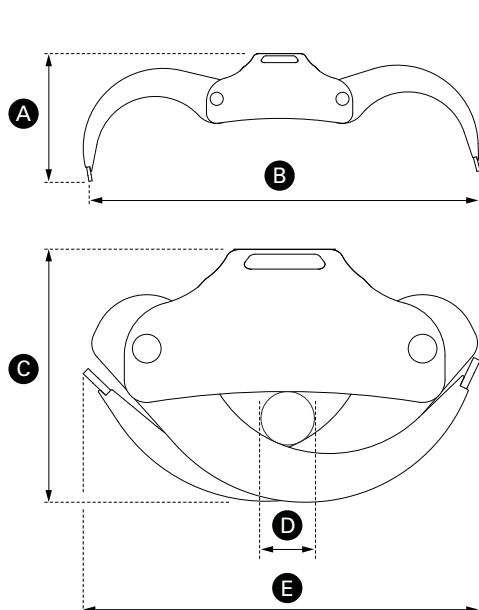
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TERMINAL

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EFFICIENT TIMBER HANDLING

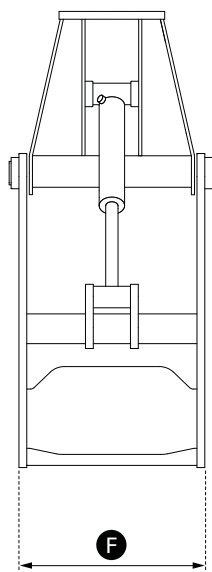
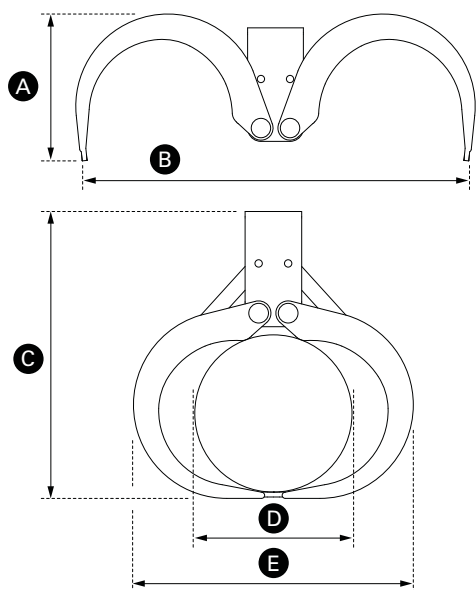
Our terminal grapple is designed to handle large volumes of wood at sawmills, timber terminals, harbour facilities etc. Its stable and robust design makes it both reliable and user friendly. The Terminal closes tip to tip, and it has twin chains that keep the timber in place even when the grapple does not have a full load.

- Stable and robust design
- Reliable and user friendly
- Excellent timber handling
- Extremely high quality
- Made from high grade steel

GRAPPLE DIMENSIONS		150	200	250
Max Working Pressure	MPa	25	25	25
Tip force, tip to tip	kN	43	43	37
Opening time at 70l/min	s	5,4	5,4	5,4
Closing time at 70l/min	s	8	8	8
Length, Closed grapple	mm	2060	2275	2425
Maximum grapple opening	mm	2890	3130	3680
Max width	mm	3125	3295	3830
Width, outer claw	mm	950	950	950
Height, closed grapple	mm	2245	2330	2610
Height, open grapple	mm	1225	1210	1290
Min load diameter	mm	1140	1230	1510
Load area	m ²	1,5	2,0	2,5
Max load	kg	7000	8500	10000
Weight	kg	1780	1880	1980

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DIMENSIONS



- A Height, open grapple
- B Maximum grapple opening
- C Height, closed grapple
- D Min load diameter
- E Length, Closed grapple
- F Width, outer claw

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TERMINAL LB

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FOR HEAVY LIFTING

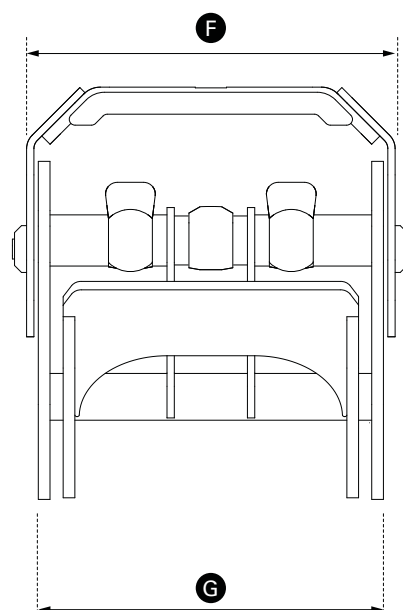
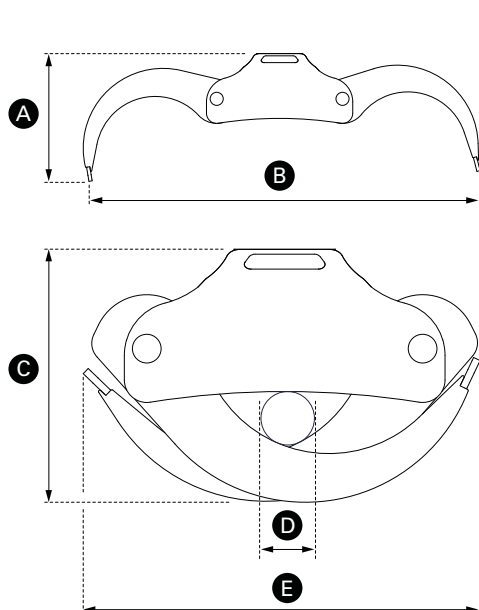
Terminal LB (LowBuilt) grapple is similar to the normal terminal grapple and has the same excellent handling. It has been designed for efficient loading of large volumes of goods. The Terminal LB is basically a large HeavyDuty. i.e. a large grapple with overlapping claws. We offer two different types of grapple, Terminal and Terminal LB, to do the same job. Choose the one that suits you best.

- Stable and robust design
- Expander pins
- Reliable and user friendly
- Excellent timber handling
- Extremely high quality
- Powder coated
- Made from high grade steel

GRAPPLE DIMENSIONS		080	100	125	150	225
Max Working Pressure	MPa	19	19	25	25	25
Tip force, tip to tip	kN	35	39	40	41	41
Opening time at 70l/min	s	3,6	4,2	5	5	6
Closing time at 70l/min	s	5,2	6,0	5,5	5,5	6,5
Length, Closed grapple	mm	1355	1490	1620	1730	2170
Maximum grapple opening	mm	2840	3015	3400	3600	4445
Max width	mm	800	800	1080	1130	1130
Width, outer claw	mm	714	714	990	1010	1010
Height, closed grapple	mm	835	950	1060	1110	1350
Height, open grapple	mm	890	1100	1300	1260	1700
Min load diameter	mm	175	225	240	280	300
Load area	m ²	0,80	1,0	1,25	1,5	2,25
Max load	kg	6500	7500	7500	7500	8500
Weight	kg	800	930	1400	1650	2100

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DIMENSIONS



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- G** Width, outer claw

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CONSTRUCTION

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WIDEST OPENING

The Construction is our premium grapple, which probably opens wider than any other grapple. It is designed to be mounted on an excavator, and has a unique stand that uses heavier plate, bent in one piece, and no welded side pieces. The load retention valve* and piston accumulator* are installed inside the stand, integrated with the hydraulic system. Construction can do heavy lifting, and is extremely stable at the same time.

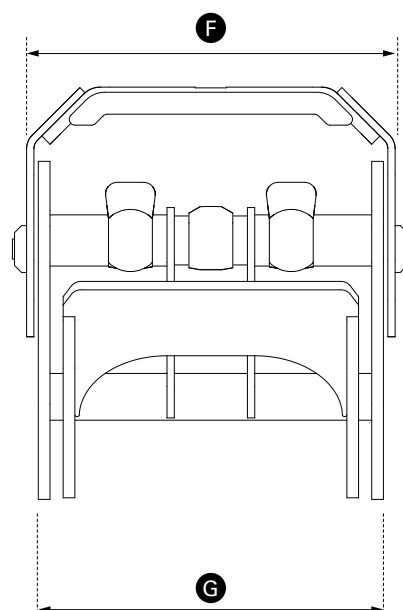
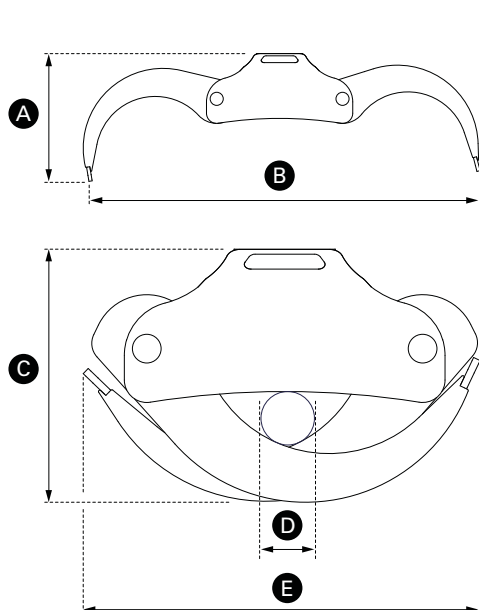
- Stable and robust design
- Integrated load retention valve*
- Integrated piston accumulator*
- Complete with excavator mounting**
- Powder coated
- Made from high grade steel

GRAPPLE DIMENSIONS		015*	025	040	055
Max Working Pressure	MPa	25	25	25	25
Tip force, tip to tip	kN	9,3	17	16	16
Opening time at 70l/min	s	0,4	0,8	1,1	1,7
Closing time at 70l/min	s	0,6	1,4	1,7	2,5
Length, Closed grapple	mm	740	800	965	1100
Maximum grapple opening	mm	1170	1460	2075	2390
Max width	mm	397	510	550	550
Width, outer claw	mm	355	434	472	472
Height, closed grapple	mm	510	560	635	685
Height, open grapple	mm	685	725	655	725
Min load diameter	mm	90	100	150	180
Load area	m ²	0,15	0,25	0,40	0,55
Max load	kg	3000	3500	5000	5000
Weight	kg	165	290	340	380

* The 015 model operates with one cylinder, and has either an accumulator or load retention valve as standard. ** Individually replaceable, available for most mountings.

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DIMENSIONS



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- C** Height, closed grapple
- D** Min load diameter
- E** Length, Closed grapple
- F** Max width
- G** Width, outer claw

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INDUSTRY

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AS REQUESTED BY THE SAWMILLS

The Industry model has been specially designed for the sawmill industry, but can also be installed on other applications. Industry has three claws, for easy separation and grasping of single logs. Industry features low profile design, it is wider and thus more stable, without compromising ease of operation.

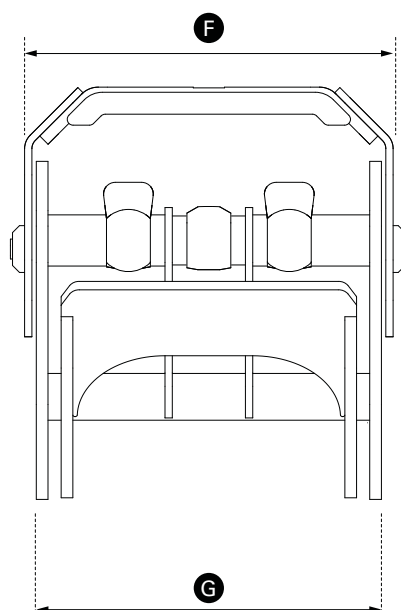
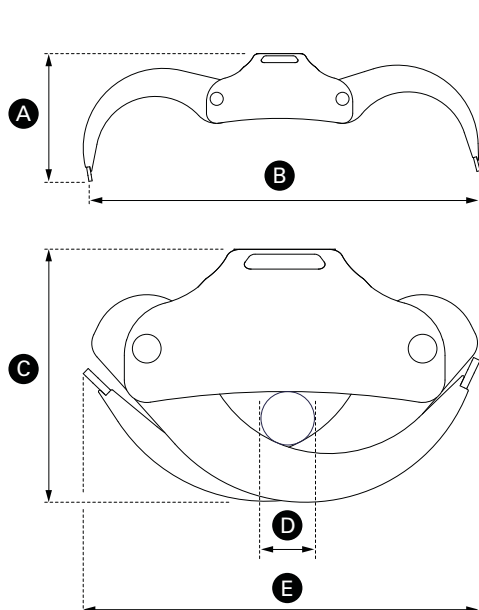
- Excellent function
- Expander pins
- Reliable and user friendly
- Extremely high quality
- Powder coated
- Made from high grade steel

GRAPPLE DIMENSIONS		015*
Max Working Pressure	MPa	23
Tip force, tip to tip	kN	9,3
Opening time at 70l/min	s	0,4
Closing time at 70l/min	s	0,6
Length, Closed grapple	mm	740
Maximum grapple opening	mm	1210
Max width	mm	397
Width, outer claw	mm	310
Height, closed grapple	mm	510
Height, open grapple	mm	690
Min load diameter	mm	100
Load area	m ²	0,15
Max load	kg	3500
Weight	kg	175

* Types 015 work with one cylinder.

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DIMENSIONS



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- F** Max width
- G** Width, outer claw

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V-SHAPE

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THE EASY WAY TO SORT TIMBER

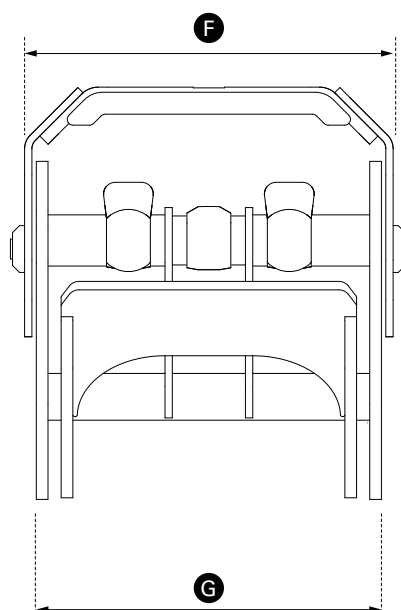
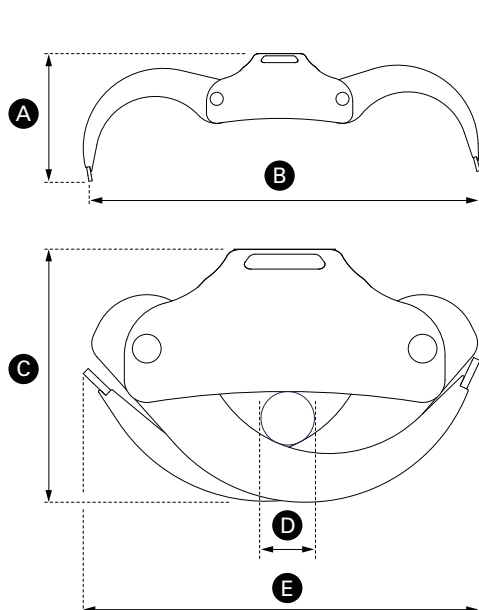
The V-Shape is similar to our standard grapple, and has been specially designed to make fine sorting easier. Ground contact is minimised, using a V-Shape. Since the tip of the claw is centred, force distribution is not affected and the risk of uneven loading is eliminated in practice.

- Twin cylinders*
- Twin boom tubes
- Expander pins
- Reliable and user friendly
- Extremely high quality
- Made from high grade steel

GRAPPLE DIMENSIONS		025	028	035	040
Max Working Pressure	MPa	23	23	23	23
Tip force, tip to tip	kN	17	16,7	16,1	16,2
Opening time at 70l/min	s	0,8	0,9	1,0	1,1
Closing time at 70l/min	s	1,4	1,5	1,6	1,7
Length, Closed grapple	mm	800	830	885	970
Maximum grapple opening	mm	1450	1690	1880	2070
Max width	mm	488	488	526	526
Width, outer claw	mm	434	434	472	472
Height, closed grapple	mm	540	530	565	610
Height, open grapple	mm	690	635	600	630
Min load diameter	mm	110	110	120	140
Load area	m ²	0,25	0,28	0,35	0,40
Max load	kg	3500	3500	5000	5000
Weight	kg	230	235	260	290

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