

**FOR TOUGH
JOBS AND
HEAVY
LIFTING**

HSP **Gripen**
of Sweden



Employing state-of-the-art technology, HSP Gripen manufactures grapples of the highest quality. Laser, gas, and plasma cutting operations, coupled with robotic welding in modern machines, ensure efficient production. The grapples undergo meticulous finishing, including powder-coating, and are subjected to rigorous testing in the advanced End of Line (EOL) test facility. This commitment guarantees that users derive maximum performance from their grapples.



STANDARD



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.

- Unique design
- Double cylinders
- Double boom tubes
- High strength steel
- Expander pins
- Low built/weight

STANDARD		015*	020	025	028	035	040	050	055
Max Working Pressure	MPa	23	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	16
Opening time at 70 l/min	s	0.4	0.4	0.8	0.9	1.0	1.1	1.5	1.7
Closing time at 70 l/min	s	0.6	0.6	1.4	1.5	1.6	1.7	2.1	2.5
Length, Closed grapple	mm	740	780	800	830	885	970	1080	1110
Maximum grapple opening	mm	1170	1400	1450	1690	1880	2070	2110	2390
Max width	mm	397	397	488	488	526	526	526	526
Width, outer claw	mm	355	355	434	434	472	472	472	472
Height, closed grapple	mm	510	510	540	530	565	610	615	695
Height, open grapple	mm	685	645	690	635	600	630	830	715
Min load diameter	mm	90	95	110	110	120	140	140	160
Load area	m ²	0.15	0.20	0.25	0.28	0.35	0.40	0.50	0.55
Max load	kg	2000	2000	3500	3500	5000	5000	5000	5000
Weight	kg	120	130	225	230	255	285	310	325

HEAVY DUTY



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.

- Steel plates are thicker
- Cylinder plate 10mm -> 16mm
- Claws 16mm -> 20mm
- Reinforcement plate on lower boom tubes
- Wider body and rotatorplate

HEAVY DUTY		015*	020*	025	028	035	040	050	055
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Max load	kg	2000	2000	3500	3500	5000	5000	5000	5000
Weight	kg	150	160	250	260	285	320	340	365

The design philosophy behind HSP Gripen prioritizes maintaining high productivity and swift operation. With a low-profile and lightweight construction, the grapples are not only easy to transport but also offer additional lifting height while occupying minimal space. The unique claw design facilitates smooth and rapid operation across various materials, ensuring seamless engagement and high filling ratios. Furthermore,

the incorporation of dual hydraulic cylinders in all grapples, except the smallest ones, contributes to a low axle load and end position cushioning, resulting in exceptional handling characteristics. The inclusion of dual boom tubes enhances stability and power, making HSP Gripen grapples reliable and robust. Expander bolts come standard, completing the package for users seeking optimal performance.

- ➔ **UNIQUE DESIGN** with superior filling volume and smooth roll-in
- ➔ **SUPERIOR TWIN CYLINDER DESIGN**
 - for low and even axle load
 - more balanced
 - more even applied force at end of claws
- ➔ **RELIABLE AND USER FRIENDLY**

- ➔ **END POSITION DAMPENING ON CYLINDERS** is standard equipment
- ➔ **EXPANDER PINS** standard on all forestry grapples
- ➔ **MADE FROM HIGH GRADE STEEL**
- ➔ **POWDER COATED**

BIO



MAXIMIZE 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.

DUO



TWO IN ONE
A Duo* saves you time and makes swapping between brushwood and tim-ber claws easy. Function changes take less than 10 minutes and just a few simple steps. With a Duo you waste neither time nor oil. Jobs you needed two grapples for are now done by one.

SAW CASSETTE



FOR EXACT LENGTHS
The saw cassette for both excavator- and rotator mounting. Adapted for assembly on HSP Gripen 025, 028, 035, 040, 055 and 080 models.

- Automatic chain tension and saw bar return
- Adjustable chain lubrication
- Robust construction
- Based on the same technology as JPS Harvester F2

CONSTRUCTION



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.

TERMINAL

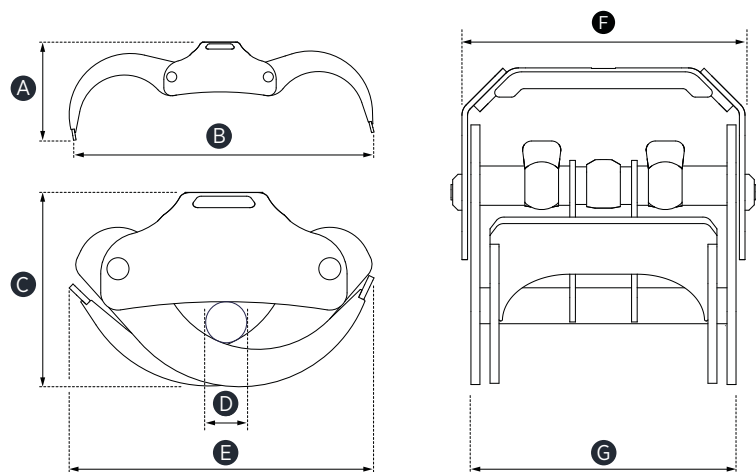


FOR HEAVY LIFTING

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.



DIMENSIONS



- A Height, open grapple
- B Maximum grapple opening
- C Min load diameter

- A Length, Closed grapple
- B Max width
- C Width, outer claw

ACCESSORIES



WALLINGFORD'S INC.
member of
pewag group

1010 Kennedy Memorial Drive
Oakland, ME 04963

207.465.9575
800.323.3708

info@wallingfords.com
www.wallingfords.com

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