



SuperSaw®

BY HULTDINS



HULTDIN SYSTEM AB – ONE OF THE WORLD’S LEADING MANUFACTURERS OF FORESTRY ATTACHMENTS. HEADQUARTERS AND MAIN PART OF THE PRODUCTION IS LOCATED IN SCENIC MALÅ, NORTHERN SWEDEN.

The overall goal in all forestry operations is increased efficiency. The Hultdins SuperSaw is developed to help you reach this goal. A complete line of products with high productivity combined with low down time has over the years made the Hultdins SuperSaw become the most sold grapple saw in the world.

FLEXIBILITY IN A NUTSHELL

No grapple that works 100 % in standardized assortments needs a grapple saw – but all other grapples do.

The Hultdins SuperSaw is designed to give your grapple that extra flexibility. No matter if it’s about 24hrs continuous bundle cutting of eucalyptus in Brazil, weight optimization of your biomass truckload or top trimming in a tree length operation, Hultdins has a grapple saw for you.

With Technical Development, Product Performance and Quality as driving forces the Hultdins engineering department has become known for it’s innovation and helped customers all over the world increase their productivity. Automatic chain tensioning saves time for the operator. Combined with the proportional chain lubrication it also increases cutting performance

and significantly reduces wear on drive sprockets, nose wheels and saw chains.

Hultdins has been developing grapple saws for almost 40 years and today we have the widest product range in the world. This range of products is distributed by experienced dealers worldwide with good access to both parts and technical support. Design principles, choice of materials and the highly automated production methods are the same for our SuperSaw range as for our world leading SuperGrip grapples.

Last but not least; we are well aware of the fact that it is only your success with our product that can give us a next sale.

In nine cases out of ten: If you have the application Hultdins has the Grapple Saw!

A COMPLETE GRAPPLE SAW RANGE

The SuperSaw range starts with the lightweight SS350E that together with the unique Hultdins A-Grapple is optimized for slash handling. It continues with on-road truck models and goes all the way to the heavy duty excavator model SS650S.

For each Hultdins grapple there is a grapple saw, and for each grapple saw there is a number of applications. Below you will find a table that shows what grapple saw fits what grapple, and also an application guide that helps you put together the right package for your specific job.

Gripare	SuperSaw 350E	SuperSaw 550 SuperSaw 550 EC	SuperSaw 555S	SuperSaw 650S	SuperSaw 6000S
SGII 260, -S,-R,-A	X	X			
SGII 300, -S,-R,-A	X	X			
SGII 360, -S,-R,-A	X	X	X		
SGII 420, -S,-R,-A	X	X	X		
GLC40		X			
GLC50		X			
SG260, -S,-R,-RS		X			
SG300, -S,-R,-RS		X			
SG360, -S,-R,-RS		X	X		
SG420, -S,-R		X	X		
SG520, -S,-R		X	X	X	X
SG720S		X	X	X	X

Application	Recommended grapple saw
Slash handling	SS350E is a light weight grapple saw mainly designed for slash handling where we recommend it is used together with the Hultdins A-grapple. The A-grapple forms the slash in a bundle like shape which makes it easier to cut.
Forwarder mounted	SS350E combined with the A-grapple is best for slash forwarding. If a stronger saw package is required the SS550 is the natural choice.
Truck mounted	SS550, 550 EC/550S EC is a well proven and very popular grapple saw for truck mounts. The SS550, 550 EC/550S EC fits every SG, SG II and GLC grapple model. Also the SS350E could in lighter applications be considered. The SS350E has excellent cutting capacity but the saw frame is lighter and not as strong as the SS550, 550 EC/550S EC.
Stationary crane	Both the SS550, 550 EC/550S EC and SS555S are suitable for stationary cranes. For the tougher applications where the highest productivity is required choose the SS555S.
Cutting of bundles	For bundle cutting of for example eucalyptus we recommend the SS6000S combined with the SG 520S or SG720S grapple. The key to superior cutting performance with minimal down time in this type of application is the high torque 40 cc motor, a ¾” chain with automatic tensioning, high feed out force and plenty of lubrication. SS6000S has 2 different sizes of oil tanks available. The heavy duty (HD) mount fits rotators with Ø 173 (M16) and Ø 203 (M20) bolt circles.
Excavator mounted	The SS555S, SS650S or SS6000S with the heavy duty mount on any of the above indicated S grapples does the job on an excavator. It is important to always use the heavy duty (HD) mount and an S-grapple on excavators. The HD mount fits rotators with Ø 173 (M16) and Ø 203 (M20) bolt circles.
Skidder	SuperSaw 555S/550S EC with HD mounting kit is a good combination for skidders trimming and cutting logs in the forest or at the road side.

SuperSaw®

OPTIONS

Combine your SuperSaw with suitable kits for your application/purpose.



STANDARD ASSEMBLY KIT

Rotator/saw bracket with offset mount of the rotator gives optimal balance.

Assembly details and hoses are included. Fits the SuperSaw 550/555S models and all of our SG, SGII and GLC grapples. For rotators with Ø173 mm bolt pattern.

This kit is suitable for road trucks, small and midsize forwarders.

Weight: 38 kg



HD-ASSEMBLY KIT

Heavy Duty rotator/saw bracket with offset mount of the rotator gives optimal balance.

Assembly details and hoses are included. Fits the SuperSaw 550/555S/650S/SS6000S models and all of our SG and SGII grapples. For rotators with Ø173mm & Ø203mm bolt patterns.

Suitable for excavators, material handlers, big forwarders and skidders

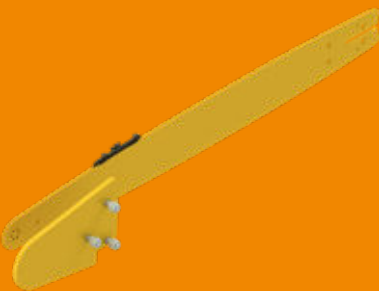
Weight: from 104 kg



EXTERNAL CHAIN OIL LUBRICATION TANK

External tank of 26,5 liters, which mounts on the HD-Rotator bracket.

Especially suitable for SS650S and SS6000S



SAW BAR / CHAIN KITS

Saw bar and chain are normally included in our SuperSaw cassettes, but if longer saw bar length is required, kits (bar, chain, extended cover) are available as an option.



SUPERSAW 350E

Features

- Light weight model suitable for handling of brushwood
 - SuperCut 100 minimizes down time and increases productivity
 - Saw unit SC100 has an inbuilt self-bleeding lube pump and proportional chain lubrication
 - Automatic chain tensioning
 - Built in bar feed cylinder with constant feed out torque
 - Integrated mounting of saw motor
- No hoses in the saw box, chain tensioning and lube oil is swiveled through the saw motor
 - Saw motor equipped with anti-cavitation valve
 - Fast and easy saw bar and chain replacement
 - Simple adjustment of bar feed pressure and bar feed speed
 - Simple installation on forwarder and truck

		350E-10	350E-19
Saw motor displacement	cm3	10	19
Weight	kg	89	94
Length, A	mm	1 017	1 017
Width, B	mm	446	446
Height, C	mm	331	331
Width, D	mm	121	121
Min. hydraulic pressure, saw motor	MPa	16	16
Min. hydraulic flow, saw motor	l/min	60	115
Max. saw chain speed	See recommendations from each saw chain manufacturer		
Max. power input to saw chain	See recommendations from each saw chain manufacturer		
Saw chain		.404"	.404"
Saw bar	cm	67 / 75	67 / 75
Saw bar feed out system		Pressure line	Pressure line
Recommended grapples		All SGII-models	



SUPERSAW 550

Features

- Designed for optimal balance
- Automatic chain tensioning and proportional chain lubrication
- Fast and easy bar and chain replacement
- SuperCut minimizes down time and increases productivity
- Built in bar feed cylinder
- Integrated mounting of saw motor
- Simple installation on forwarder and truck
- Return line or pressure line feed out system

		550-10	550-19
Saw motor displacement	cm3	10	19
Weight	kg	102	105
Length, A	mm	1 095	1 095
Width, B	mm	162	162
Height, C	mm	400	400
Width, D	mm	120	120
Min. hydraulic pressure, saw motor	MPa	16	16
Min. hydraulic flow, saw motor	l/min	65	125
Max. saw chain speed	See recommendations from each saw chain manufacturer		
Max. power input to saw chain	See recommendations from each saw chain manufacturer		
Saw chain		.404"	.404"
Saw bar	cm	90 / 100 / 113	90 / 100 / 113
Saw bar feed out system		Return line	Return line
Recommended grapples		All SG, SGII and GLC models	



SUPERSAW 550 EC-10 / 550S EC-10

Features

- Sequence controlled saw function
 - Saw activating valve included
 - Simple installation on trucks, forwarders, excavators and skidders
 - No special valving or boom cable required
 - No special rotator required
 - Automatic chain tensioning and proportional lubrication system
- Fast and easy saw bar and chain replacement
 - SuperCut minimizes down time and increases productivity
 - Built in bar feed cylinder
 - Return feed out system
 - Built in anti-cavitation circuit for saw motor

		550 EC-10	550S EC-10
Saw motor displacement	cm3	10	10
Weight	kg	106	160
Length, A	mm	1 095	1 195
Width, B	mm	162	184
Height, C	mm	400	465
Width, D	mm	120	148
Min. hydraulic pressure, saw motor	MPa	16	16
Min. hydraulic flow, saw motor	l/min	65	65
Max. saw chain speed	See recommendations from each saw chain manufacturer		
Max. power input to saw chain	See recommendations from each saw chain manufacturer		
Saw chain		.404"	.404"
Saw bar	cm	90 / 100 / 113	90 / 100 / 113
Saw bar feed out system		Return line	Return line
Recommended grapples		All SG, SGII and GLC models	

SUPERSAW 555S

Features

- Designed for optimal balance
 - Automatic chain tensioning and proportional chain lubrication
 - Fast and easy bar and chain replacement
 - SuperCut minimizes down time and increases productivity
 - Built in bar feed cylinder
- Integrated mounting of saw motor
 - Pressure feed out system for optimized saw performance
 - Simple adjustment of bar feed pressure
 - Simple installation on forwarder and excavator

		555S
Saw motor displacement	cm3	19
Weight	kg	170
Length, A	mm	1 195
Width, B	mm	184
Height, C	mm	465
Width, D	mm	148
Min. hydraulic pressure, saw motor	MPa	16
Min. hydraulic flow, saw motor	l/min	125
Max. saw chain speed	See recommendations from each saw chain manufacturer	
Max. power input to saw chain	See recommendations from each saw chain manufacturer	
Saw chain		.404"
Saw bar	cm	90 / 100 / 113
Saw bar feed out system		Pressure line
Recommended grapples 555S	SGII 360S, SGII 420S and SG 360S, 420S, 520S and 720S	
Recommended grapples 555S HD	SG360S and SG520S	



SUPERSAW 650S

Features

- Designed for optimal balance
 - Saw unit SC300 has an inbuilt self-bleeding lube pump and proportional chain lubrication
 - Automatic chain tensioning
 - Fast and easy saw bar and chain replacement
 - SuperCut 300 minimizes down time and increases productivity
- Built in bar feed cylinder with constant feed out torque
 - Integrated mounting of saw motor
 - No hoses in the saw box, chain tensioning and lube oil is swiveled through the saw motor
 - Built in anti-cavitation circuit for saw motor
 - Simple installation on excavator
 - Return or pressure line feed out system

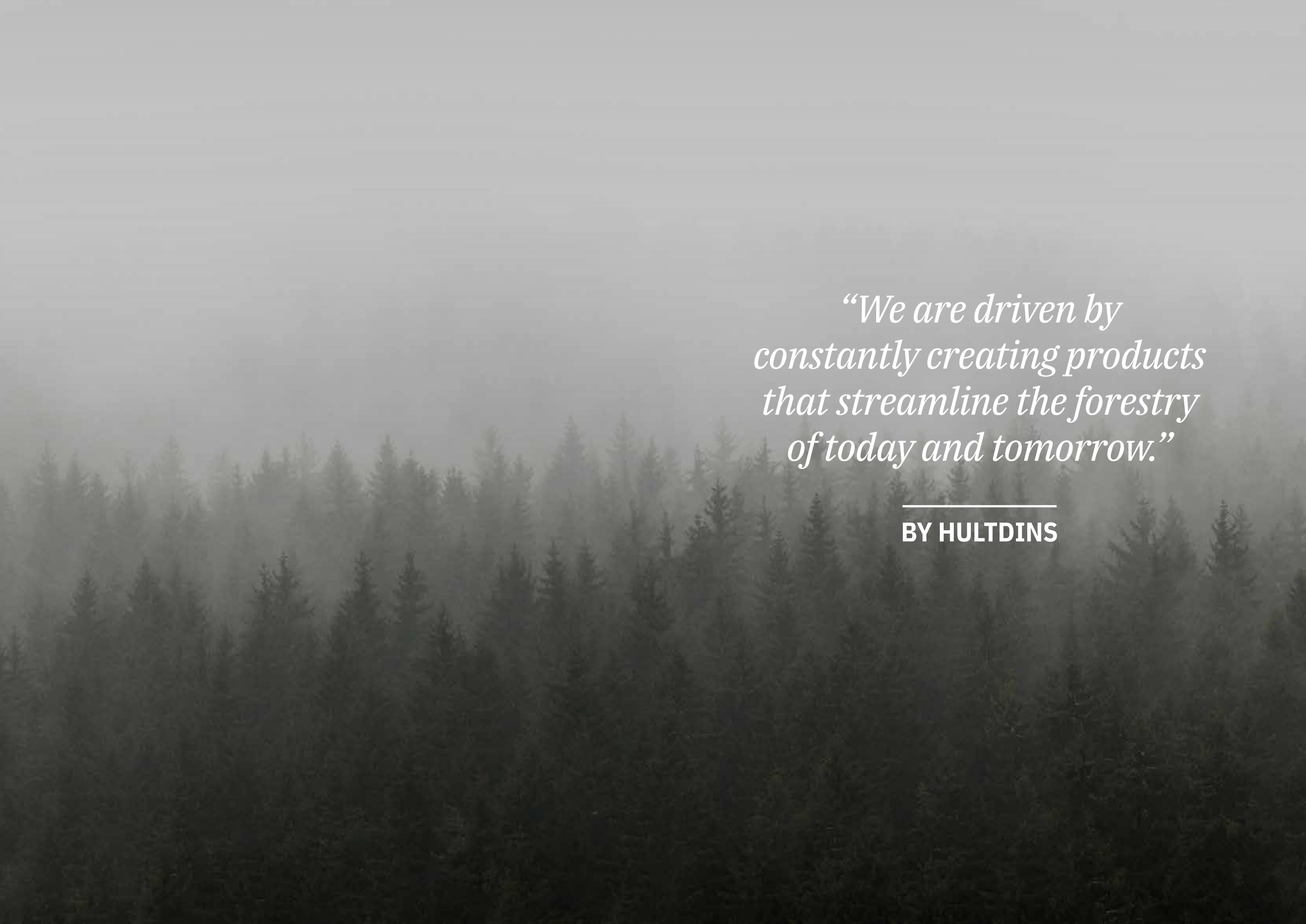
650S		
Saw motor displacement	cm3	40
Weight	kg	254
Length, A	mm	1 397
Width, B	mm	235
Height, C	mm	511
Width, D	mm	148
Min. hydraulic pressure, saw motor	MPa	18
Min. hydraulic flow, saw motor	l/min	172
Max. saw chain speed	See recommendations from each saw chain manufacturer	
Max. power input to saw chain	See recommendations from each saw chain manufacturer	
Saw chain	3/4"	
Saw bar	cm	100 / 113
Saw bar feed out system	Return line	
Recommended grapples	SG520S and SG720S	

SUPERSAW 6000S

Features

- Modular design for easy customization
 - Optional saw bar lengths with suitable guards
 - Designed for optimal balance with off-set rotator mount
 - Robust saw unit with extra strong feed cylinder
 - Automatic saw chain tensioning
 - Double acting cam curve, lubricates also at bar return
- Double lube oil pumps ensure lubrication volume
 - Fast and easy bar and chain replacement
 - Optional lubricating oil tank, built in 8 litre or external 26,5 litre
 - Built in anti-cavitation circuit for saw motor
 - Simple installation on excavator

		6000S-40		6000S-60	
Saw motor displacement	cm3	40		60	
Weight	kg	340 / 360 / 372 / 383		343 / 363 / 375 / 386	
Length, A	mm	1 420 / 1 545 / 1 740 / 1 947		1 420 / 1 545 / 1 740 / 1 947	
Width, B	mm	316		316	
Height, C	mm	678		678	
Width, D	mm	193		193	
Min. hydraulic pressure, saw motor	MPa	18		18	
Min. hydraulic flow, saw motor	l/min	172		172	
Max. saw chain speed	See recommendations from each saw chain manufacturer				
Max. power input to saw chain	See recommendations from each saw chain manufacturer				
Saw chain	3/4"		3/4"		
Saw bar	cm	100 / 113 / 130 / 150		100 / 113 / 130 / 150	
Saw bar feed out system	Pressure line		Pressure line		
Recommended grapples	SG 520 and up		SG 520 and up		



*“We are driven by
constantly creating products
that streamline the forestry
of today and tomorrow.”*

BY HULTDINS

YOUR PRODUCTIVITY – OUR DRIVING FORCE

Hultdin System AB is a world leading manufacturer of components to mechanized forestry. With the productivity and profitability of our customers in focus we have over the years developed a wide product range consisting of Grapples, Saw Units, Grapple Saws, Damping Systems, and Active Load Space for forwarders and a Terrain Bridge for forestry machines.



SuperGrip®

Hultdins' log grapples are divided into three series, each with slightly different characteristics. However, common to all is that they're designed to increase your productivity and every component is of high quality. Today, our grapples are fitted as standard by many major forwarder manufacturers.



SuperCut®

Today, every other tree in the world is harvested with a Hultdins SuperCut – and that says a lot about the knowledge we've accumulated over the years. Our goal is to make your work as painless as possible. We try to achieve this with innovative solutions, such as automatic chain tensioning, fully protected feed cylinders, and integrated proportional chain lubrication.



SuperSaw®

The majority of our grapple saws are used for full tree harvesting but also for clearance and maintenance. Hultdins' grapple saws are the most dominant brand by far. With six different grapple saw series, each encompassing several models, we have the market's widest range.



DampingSystem™

A hydraulic damper enables you to work faster and improves the machine's service life – as well as your health. Hydraulic oil is an excellent means to use cylinders to transfer force because it's so incompressible. But this incompressibility also means that it transmits vibrations and jolts that fatigue both the machine and the operator. Our dampers reduce these undesirable forces without affecting the machine's performance.



LubricationSystem™

Oil almost always soils both the forest and the machine. Our pumps use biodegradable chain grease instead, which adheres better between the chain and the bar.



SuperGrip



SuperSaw



SuperCut



DampingSystem



LubricationSystem

Hultdin System AB is a leading manufacturer of tools and integrated components for forestry and construction machines. Hultdins products such as the SuperGrip, SuperSaw and SuperCut are used throughout the world. Ever since 1928, we've been developing products to make machine contractors productive. We try to meet the needs of today while predicting the needs of tomorrow. This is something we can do best by working in the forest in both practice and theory.

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