



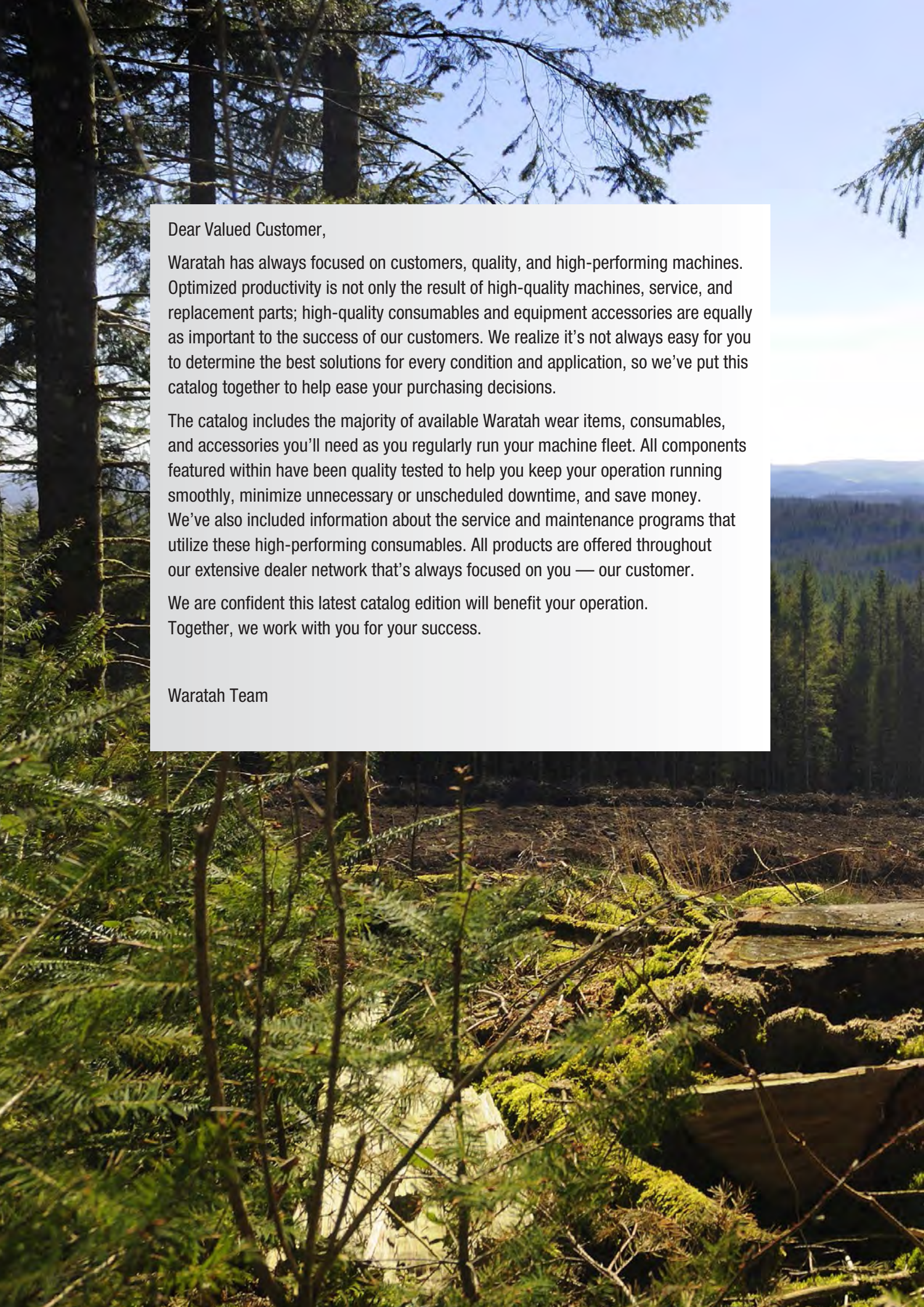
HARVESTING/PROCESSING HEADS



AFTERMARKET CATALOG 200-400 SERIES



North America



Dear Valued Customer,

Waratah has always focused on customers, quality, and high-performing machines. Optimized productivity is not only the result of high-quality machines, service, and replacement parts; high-quality consumables and equipment accessories are equally as important to the success of our customers. We realize it's not always easy for you to determine the best solutions for every condition and application, so we've put this catalog together to help ease your purchasing decisions.

The catalog includes the majority of available Waratah wear items, consumables, and accessories you'll need as you regularly run your machine fleet. All components featured within have been quality tested to help you keep your operation running smoothly, minimize unnecessary or unscheduled downtime, and save money. We've also included information about the service and maintenance programs that utilize these high-performing consumables. All products are offered throughout our extensive dealer network that's always focused on you — our customer.

We are confident this latest catalog edition will benefit your operation. Together, we work with you for your success.

Waratah Team

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CUTTING SYSTEM COMPONENTS AND ACCESSORIES

From the wide selection of saw bars, chains, and accessories, you will always find the right tools for the job.



SAW BARS

All bars in the saw-bar selection are designed for 2-mm (0.404 in.) saw chains.

Waratah Saw Bars

Waratah Saw Bars, 15-mm tail slot

PART NUMBER	LENGTH	DRIVE SPROCKET TOOTH COUNT	MOUNTING
F702898	60	z 12–14	06
F702897	60	z 13–15	11
F702899	67.5	z 13–15	11
F702900	67.5	z 12–14	06
F702903	75	z 12–14	06
F702901	75	z 13–15	11
F702906	82.5	z 13–15	11
F702907	82.5	z 12–14	06
F702908	82	z 16–18	11PX
F702909	90	z 13–15	11
F702911	90	z 12–14	06
F702912	90	z 16–18	11PX

Stump treatment Waratah Saw Bars, 15-mm tail slot

PART NUMBER	LENGTH	DRIVE SPROCKET TOOTH COUNT	MOUNTING
F716814	60	z 12–14	06
F702914	60	z 13–15	11
F702916	67.5	z 12–14	06
F702915	67.5	z 13–15	11
F702918	75	z 12–14	06
F702917	75	z 13–15	11
F702920	82.5	z 12–14	06
F702919	82.5	z 13–15	11
F702921	82.5	z 16–18	11PX
F702923	90	z 12–14	06
F702922	90	z 13–15	11
F702924	90	z 16–18	11PX



STANDARD SAW BARS

All bars in the saw-bar selection are designed for 2-mm/0.404 in. saw chains. Please notice that mounting of the bar is defined by the drive sprocket size.

Saw Bars

Standard saw bar, 10-mm tail slot

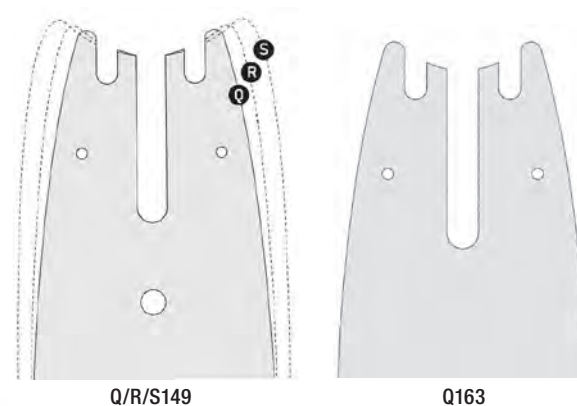
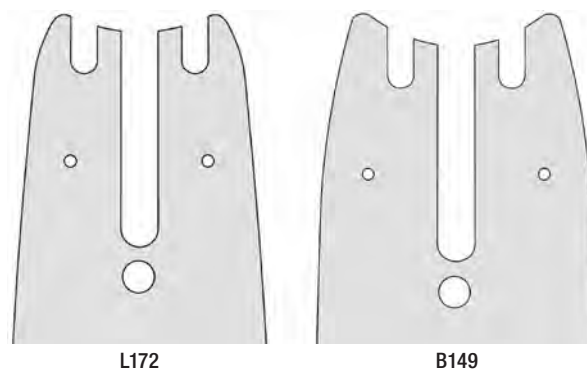
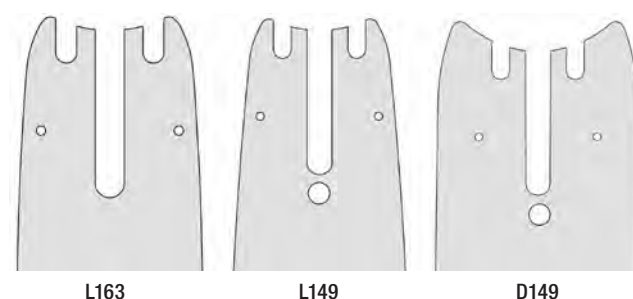
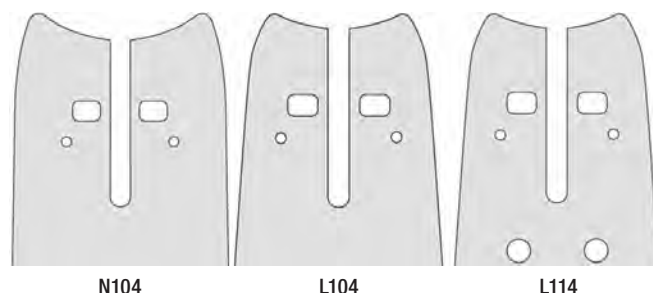
PART NUMBER	LENGTH	DRIVE SPROCKET TOOTH COUNT	NOTE	MOUNTING
F697310	54	z 11-12		L104
F697311	59	z 11-12		L104
F697314	64	z 11-12		L104
F697315	64	z 11-12		L114
F697316	64	z 14-15		N104
F697323	75	z 11-12		L114
F697324	75	z 11-12		L104
F697328	75	z 14-15		N104
F697330	80	z 11-12		L104

Standard saw bar, 15-mm tail slot

PART NUMBER	LENGTH	DRIVE SPROCKET TOOTH COUNT	NOTE	MOUNTING
F697312	60	z 11-12	JetFit™	L163
F697319	64	z 11-12	JetFit	L163
F697320	67	z 11-12	JetFit	L163
F697322	75	z 11-12	JetFit	L149
F697325	75	z 13-14	JetFit	B149
F697327	75	z 11-12	JetFit	L172
F697329	75	z 16-18	JetFit	D149
F697331	82	z 11-12	JetFit	L149
F697332	82	z 13-14	JetFit	B149
F697334	82	z 11-12	JetFit	L172
F697335	82	z 16-18	JetFit	D149
F697336	90	z 11-12	JetFit	L149
F697342	90	z 12-14	Blue Line	06
F698326	90	z 13-15	Blue Line	11
F702913	90	z 16-18	Blue Line	11PX

John Deere SpeedMax™, 15-mm tail slot

PART NUMBER	LENGTH	DRIVE SPROCKET TOOTH COUNT	NOTE	MOUNTING
F697337	67	z 12-13	SpeedMax, JetFit	Q163
F697338	75	z 12-13	SpeedMax, JetFit	Q149
F697339	75	z 14-16	SpeedMax, JetFit	R149
F702882	75	z 17-18	SpeedMax, JetFit	S149
F697340	82	z 12-13	SpeedMax, JetFit	Q149
F697341	82	z 14-16	SpeedMax, JetFit	R149
F702883	82	z 17-18	SpeedMax, JetFit	S149
F702884	90	z 12-13	SpeedMax, JetFit	Q149
F702885	90	z 14-16	SpeedMax, JetFit	R149
F702886	90	z 17-18	SpeedMax, JetFit	S149



SAW BARS

All bars in the saw-bar selection are designed for 2-mm (0.404 in.) saw chains.

Stump Treatment Bars

Stump treatment bars				
PART NUMBER	LENGTH	DRIVE SPROCKET TOOTH COUNT	NOTE	MOUNTING*)
F697317	64	z 11–13		L104
F697313	60	z 11–13		L163
F697318	64	z 11–13		L163
F697321	67	z 11–13		L163
F697326	75	z 11–13		L149
F697333	82	z 11–13		L149
F697459	90	z 12–14		06
F698327	90	z 13–15		11
F702925	90	z 16–18		PXVS



John Deere SpeedMax™, Stump treatment bars, 15-mm tail slot				
PART NUMBER	LENGTH	DRIVE SPROCKET TOOTH COUNT	NOTE	MOUNTING*)
F713073	67	z 11–13	SpeedMax, JetFit, Stump treatment bar	Q163
F713074	75	z 11–13	SpeedMax, JetFit, Stump treatment bar	Q149
F713075	75	z 14–16	SpeedMax, JetFit, Stump treatment bar	R149
F713076	75	z 17–19	SpeedMax, JetFit, Stump treatment bar	S149
F713077	82	z 11–13	SpeedMax, JetFit, Stump treatment bar	Q149
F713078	82	z 14–16	SpeedMax, JetFit, Stump treatment bar	R149
F713079	82	z 17–19	SpeedMax, JetFit, Stump treatment bar	S149
F713080	90	z 11–13	SpeedMax, JetFit, Stump treatment bar	Q149
F713081	90	z 14–16	SpeedMax, JetFit, Stump treatment bar	R149
F713082	90	z 17–19	SpeedMax, JetFit, Stump treatment bar	S149



*) Please see page 8



SAW CHAINS

All chains are 2-mm (0.404 in.) harvester chains.

Saw chains, 18HX

PART NUMBER	LENGTH
F059030	72
F064015	74
F067138	79
F064020	86
F058831	87
F064023	93
F064024	94
F071856	97
F075422	101

F059030	72
F064015	74
F067138	79
F064020	86
F058831	87
F064023	93
F064024	94
F071856	97
F075422	101

18HX features:

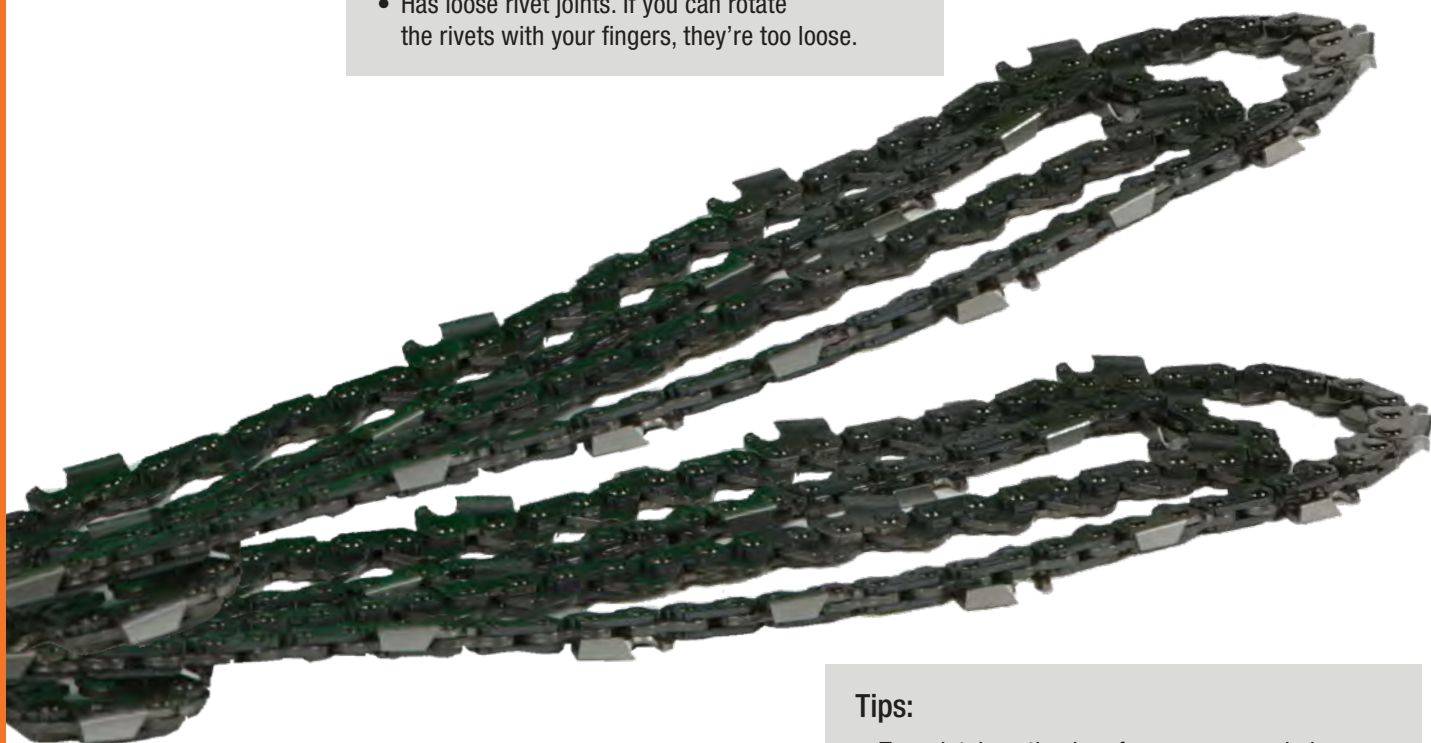
- Micro Chisel cutter, excellent performance, resistance to wear and ease of sharpening
- Blued cutters provide superior corrosion resistance
- Lubri-Tec™ tie-straps help keep the oil on the saw chain where it's needed

We recommend not to use saw chain that:

- Has broken and been repaired twice.
- Is severely damaged.
- Has excessive saw-chain stretch.
- Has broken or cracked components.
- Has loose rivet joints. If you can rotate the rivets with your fingers, they're too loose.



18HX Cutter



Tips:

- To maintain optimal performance, saw chain should be sharpened or replaced after every four hours of operation.
- To avoid chain shot, saw chain must be replaced after the second breakdown.

SAW CHAINS

All chains are 2-mm (0.404 in.) harvester chains.

Saw chains, 19HX	
PART NUMBER	LENGTH
F700134	64
F700135	65
F700136	66
F700104	70
F700105	71
F700106	72
F708356	73
F700107	74
F700108	75
F708357	76
F700109	79
F700110	80
F700112	81
F700113	82
F700114	83
F700115	84
F700116	85
F700117	86
F700121	87
F700122	88
F700123	89
F700124	90
F700125	91
F700126	93
F700127	96
F700128	94
F700174	95
F700129	97
F700130	98
F700131	101
F700175	102
F700176	103
F700177	104
F700132	105
F700178	106
F700133	REEL, 1480

19HX features:

- The premium saw chain option
- Tall chamfer chisel cutters improve chip clearance – delivering faster and more consistent cuts in timber of all sizes
- All chain components are thicker or have more material compared to 18HX
- Designed for the latest high-flow, high-power harvester heads and saw motors resulting in increased cutting speed.
- Blued cutters provide superior corrosion resistance
- Lubri-Tec™ tie-straps help keep the oil on the saw chain where it's needed



19HX Cutter

CHAIN PARTS

PART NUMBER	DESCRIPTION
F700179	Tie strap chain link 19HX, 25 pack
F700180	Pre-set tie strap chain link 19HX W.rivets, 25 pack

19HX components can be used only with 19HX saw chain. Mixing components can cause increased risk of chain breakage and chain shot.

SAW BARS AND CHAINS SELECTION GUIDE, SUPERCUT 100 WARATAH

HARVESTER HEAD	SAW MOTOR	STANDARD BAR	STUMP TREATMENT BAR	LENGTH CM	CHAIN	STANDARD BAR HOLDER	SPRAY BAR HOLDER	SPROCKET CODE	DRIVE SPROCKET TOOTH COUNT
H412*)	Parker / Bucher 19/20	F702897	F702914	60	F700106	F062711	F061686	F700145	z 13
H413*)	Parker 19	F702901	F702917	75	F700121	F060989	F065794	F700145	z 13
H413*)	Bucher 20	F702903	F702918	75	F700117	F062711	F061686	F700144	z 12
H413	Parker 19	F702899	F702915	67.5	F700109	F062711	F061686	F700145	z 13
H413	Bucher 20	F702900	F702916	67.5	F700109	F060989	F065794	F700144	z 12
H414*)	Parker / Bucher 19/20	F702901	F702917	75	F700121	F060989	F065794	F700145	z 13
H414*)	Bucher 25	F702901	F702917	75	F700122	F060989	F065794	F700146	z 15
H414	Parker / Bucher 19/20	F702899	F702915	67.5	F700109	F062711	F061686	F700145	z 13
H414	Bucher 25	F702899	F702915	67.5	F700112	F060989	F065794	F700146	z 15
H415*)	Parker 19	F702906	F702919	82.5	F700128	F060989	F065794	F700145	z 13
H415*)	Bucher 20	F702907	F702920	82.5	F700126	F062711	F061686	F700144	z 12
H415*)	Bucher 25	F702906	F702919	82.5	F700174	F060989	F065794	F700146	z 15
H415	Parker 19	F702901	F702917	75	F700121	F060989	F065794	F700145	z 13
H415	Bucher 20	F702903	F702918	75	F700117	F062711	F061686	F700144	z 12
H415	Bucher 25	F702901	F702917	75	F700122	F060989	F065794	F700146	z 15
H415*)	Parker 19	F702909	F702922	90	F700131	F062711	F061686	F700145	z 13
H415*)	Bucher 20	F702911	F702923	90	F700131	F060989	F065794	F700144	z 12
H415*)	Bucher 25	F702909	F702922	90	F700176	F060989	F065794	F700146	z 15
H415*)	Topsaw 14	F702898	n/a	60	F700106	F678223	n/a	F700144	z 12
H480C*)	Parker / Bucher 19/20	F702906	F702919	82.5	F700128	F060989	F065794	F700145	z 13
H480C*)	Parker / Bucher 19/20	F702909	F702922	90	F700131	F062711	F061686	F700145	z 13
H480C	Parker / Bucher 19/20	F702901	F702917	75	F700121	F060989	F065794	F700145	z 13
H215E*)	Bucher 20	F702900	F702916	67.5	F700109	F062711	F061686	F700144	z 12
H270*)	Parker / Bucher 19/20	F702906	F702919	82.5	F700128	F060989	F065794	F700145	z 13
H270	Parker / Bucher 19/20	F702901	F702917	75	F700121	F060989	F065794	F700145	z 13
H290*)	Parker / Bucher 19/20	F702909	F702922	90	F700131	F062711	F061686	F700145	z 13
H290	Parker / Bucher 19/20	F702906	F702919	82.5	F700128	F060989	F065794	F700145	z 13
H290*)	Topsaw 14	F702898	n/a	60	F700106	F678223	n/a	F700144	z 12

*) Factory delivery

SAW BARS AND CHAINS SELECTION GUIDE, SUPERCUT 100S

HARVESTER HEAD	SAW MOTOR	STANDARD BAR	STUMP TREATMENT BAR	LENGTH CM	CHAIN	CHAIN LINK	SPROCKET CODE	DRIVE SPROCKET TOOTH COUNT
H412*)	Parker / Bucher 19/20	F697312	F697313	60	F708356	73	F700145	z 13
H412	Parker / Bucher 19/20	F697319	F697318	64	F708357	76	F700145	z 13
H413*)/H423*)	Parker 19	F697325	F702887	75	F700122	88	F700145	z 13
H413*)/H423*)	Bucher 20	F697322	F697326	75	F700121	87	F700144	z 12
H413*)/H423*)	Bucher 25	F697325	F702887	75	F700122	88	F059021	z 14
H413/H423	Parker 19	F702879	F702888	67.5	F700110	80	F700145	z 13
H413/H423	Bucher 20	F697320	F697321	67.5	F700110	80	F700144	z 12
H413/H423	Bucher 25	F702879	F702888	67.5	F700112	81	F059021	z 14
H413/H423	Bucher 20	F697319	F697318	64	F708357	76	F700144	z 12
H414*)	Parker / Bucher 19/20	F697325	F702887	75	F700122	88	F700145	z 13
H414*)	Bucher 25	F697325	F702887	75	F700122	88	F059021	z 14
H414	Parker / Bucher 19/20	F702879	F702888	67.5	F700112	81	F059021	z 14
H414	Bucher 25	F702879	F702888	67.5	F700110	80	F700145	z 13
H424*)	Parker 19	F697325	F702887	75	F700122	88	F700145	z 13
H424*)	Bucher 20	F697322	F697326	75	F700121	87	F700144	z 12
H424*)	Bucher 25	F697325	F702887	75	F700122	88	F059021	z 14
H424	Parker 19	F702879	F702888	67.5	F700110	80	F700145	z 13
H424	Bucher 20	F697320	F697321	67.5	F700110	80	F700144	z 12
H424	Bucher 25	F702879	F702888	67.5	F700112	81	F059021	z 14
H415*)/H425*)	Parker 19	F697332	F702889	82.5	F700174	95	F700145	z 13
H415*)/H425*)	Bucher 20	F697331	F697333	82.5	F700128	94	F700144	z 12
H415*)/H425*)	Bucher 32	F697335	F702890	82.5	F700130	98	F700149	z 18
H415/H425	Parker 19	F697325	F702887	75	F700122	88	F700145	z 13
H415/H425	Bucher 20	F697322	F697326	75	F700121	87	F700144	z 12
H415/H425	Bucher 32	F697329	F713076	75	F700124	90	F700149	z 18
H415	Bucher 25	F697325	F702887	75	F700122	88	F059021	z 14
H415	Bucher 25	F697332	F702889	82.5	F700127	96	F059021	z 14
H415*)/H425*)	Parker 19	F698326	F698327	90	F700175	102	F700145	z 13
H415*)/H425*)	Bucher 20	F697342	F697459	90	F700175	102	F700144	z 12
H415*)/H425*)	Bucher 32	F702913	F702925	90	F700132	105	F700149	z 18
H415*)/H425*)	Topsaw 14	F697312	n/a	60	F700106	72	F700144	z 12
H480C*)	Parker / Bucher 19/20	F697332	F702889	82.5	F700174	95	F700145	z 13
H480C*)	Parker / Bucher 19/20	F698326	F698327	90	F700175	102	F700145	z 13
H480C	Parker / Bucher 19/20	F697325	F702887	75	F700122	88	F700145	z 13
H212*)	Bucher 20	F697312	F697313	60	F708356	73	F700144	z 12
H212	Bucher 20	F697319	F697318	64	F7000108	75	F700144	z 12
H215E*)	Parker / Bucher 19/20	F697320	F697321	67.5	F700110	80	F700144	z12
H270*)	Parker / Bucher 19/20	F697332	F702889	82.5	F700174	95	F700145	z 13
H270*)	Bucher 32	F697335	F702890	82.5	F700130	98	F700149	z 18
H270	Parker / Bucher 19/20	F697325	F702887	75	F700122	88	F700145	z 13
H270	Bucher 32	F697329	F713076	75	F700124	90	F700149	z 18
H219*)	Parker / Bucher 19/20	F698326	F698327	90	F700175	102	F700145	z 13
H219*)	Bucher 32	F702913	F702925	90	F700132	105	F700149	z 18
H219	Parker / Bucher 19/20	F697332	F702889	82.5	F700174	95	F700145	z 13
H219	Bucher 32	F697335	F702890	82.5	F700130	98	F700149	z 18
H219	Topsaw 14	F697312	n/a	60	F700106	72	F700144	z 12

*) Factory delivery

WARATAH SAW BAR SELECTION GUIDE, SUPER CUT 100S

HARVESTER HEAD	SAW MOTOR	STANDARD BAR	STUMP TREATMENT BAR	LENGTH CM	CHAIN	CHAIN LINK	SPROCKET CODE	DRIVE SPROCKET TOOTH COUNT
H412*)	Parker / Bucher 19/20	F702897	F725557	60	F708356	73	F700145	z 13
H413*)/H423*)	Parker 19	F702901	F725560	75	F700122	88	F700145	z 13
H413*)/H423*)	Bucher 20	F702903	F725558	75	F700121	87	F700144	z 12
H413*)/H423*)	Bucher 25	F702901	F725560	75	F700122	88	F059021	z 14
H413/H423	Parker 19	F702899	F725563	67.5	F700110	80	F700145	z 13
H413/H423	Bucher 20	F702900	F725566	67.5	F700110	80	F700144	z 12
H413/H423	Bucher 25	F702899	F725563	67.5	F700112	81	F059021	z 14
H414*)	Parker / Bucher 19/20	F702901	F725560	75	F700122	88	F700145	z 13
H414*)	Bucher 25	F702901	F725560	75	F700122	88	F059021	z 14
H414	Parker / Bucher 19/20	F702899	F725563	67.5	F700110	80	F700145	z 13
H414	Bucher 25	F702899	F725563	67.5	F700112	81	F059021	z 14
H424*)	Parker 19	F702901	F702901	75	F700122	88	F700145	z 13
H424*)	Bucher 20	F702903	F702903	75	F700121	87	F700144	z 12
H424*)	Bucher 25	F702901	F702901	75	F700122	88	F059021	z 14
H424	Parker 19	F702899	F702899	67,5	F700110	80	F700145	z 13
H424	Bucher 20	F702900	F702900	67,5	F700110	80	F700144	z 12
H424	Bucher 25	F702899	F702899	67,5	F700112	81	F059021	z 14
H415*)/ H425*)	Bucher 20	F702907	F725569	82.5	F700128	94	F700144	z 12
H415*)/ H425*)	Parker 19	F702906	F725568	82.5	F700174	95	F700145	z 13
H415*)/ H425*)	Bucher 32	F702908	F725570	82.5	F700130	98	F700149	z 18
H415/H425	Parker 19	F702901	F725560	75	F700122	88	F700145	z 13
H415/H425	Bucher 20	F702903	F725558	75	F700121	87	F700144	z 12
H415*)/ H425*)	Bucher 20	F702911	F725572	90	F700175	102	F700144	z 12
H415*)/ H425*)	Parker 19	F702909	F725571	90	F700175	102	F700145	z 13
H415*)/ H425*)	Bucher 32	F702912	F725573	90	F700132	105	F700149	z 18
H415*)/ H425*)	Topsaw 14	F702898	n/a	60	F700106	72	F700144	z 12
H480C*)	Parker / Bucher 19/20	F702906	F725568	82.5	F700174	95	F700145	z 13
H480C*)	Parker / Bucher 19/20	F702909	F725571	90	F700175	102	F700145	z 13
H480C	Parker / Bucher 19/20	F702901	F725560	75	F700122	88	F700145	z 13
H212*)	Bucher 20	F702898	F725574	60	F708356	73	F700144	z 12
H215E*)	Parker / Bucher 19/20	F702900	F725566	67.5	F700110	80	F700144	z 12
H270*)	Parker / Bucher 19/20	F702906	F725568	82.5	F700174	95	F700145	z 13
H270*)	Bucher 32	F702908	F725570	82.5	F700130	98	F700149	z 18
H270	Parker / Bucher 19/20	F702901	F725560	75	F700122	88	F700145	z 13
H219*)	Parker / Bucher 19/20	F702909	F725571	90	F700175	102	F700145	z 13
H219*)	Bucher 32	F702912	F725573	90	F700132	105	F700149	z 18
H219	Parker / Bucher 19/20	F702906	F725568	82.5	F700174	95	F700145	z 13
H219	Bucher 32	F702908	F725570	82.5	F700130	98	F700149	z 18
H219*)	Topsaw 14	F702898	n/a	60	F700106	72	F700144	z 12

*) Factory delivery

SPROCKETS

Drive sprockets

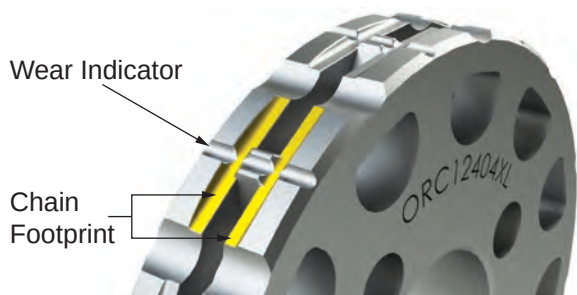
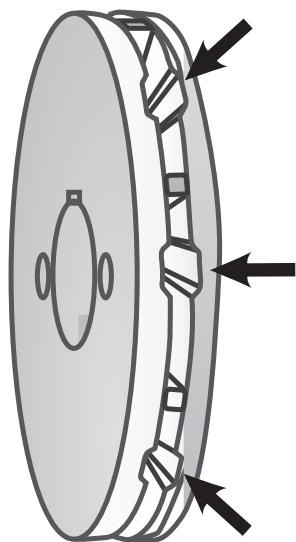
PART NUMBER	DESCRIPTION	TOOTH COUNT
F700140	OR-B10-404	10
F700141	OR-B11-404	11
F700143	ORC11404	11
F700144	ORC12404	12
F700145	ORC13404	13
F059021	ORC14404	14
F700146	ORC15404	15
F700147	ORC16404	16
F700149	ORC18404	18

Nose sprockets

PART NUMBER	DESCRIPTION	NOTE
F034435	Nose-sprocket	2-mm (0.404 in.) harvester bar nose sprocket
F697343	Nose-sprocket kit	2-mm (0.404 in.) SpeedMax nose kit



B-type sprocket is used with saw motor with 20 mm axle like motor F055531, used for example in H742 and H732 harvester heads.



End of Life Sprocket

Replace sprocket when wear indicator has worn even with chain footprint.

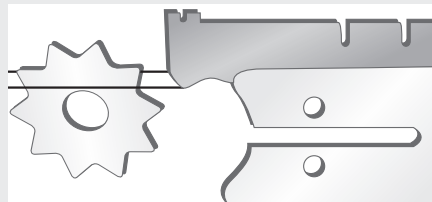
Inspecting the drive sprocket

- A heavily worn drive sprocket can cause problems with the saw bar. When the harvester chain is changed, inspect the drive sprocket and replace it if necessary. It is recommended to change the sprocket after every 10th saw-chain loop.
- Align the drive sprocket with the bar groove. Use of F693249 or F703803 gauge for saw bars, chains, and sprockets is recommended; place the gauge in the bar groove and slide it towards the drive sprocket.
- Replace the drive sprocket if the surface is worn more than 0.6 mm. The harvester chain will be damaged instantly if a worn drive sprocket is used (upper picture).
- When using original Aftermarket drive sprocket: Replace the sprocket when wear indicator has worn even with chain footprint (lower picture).

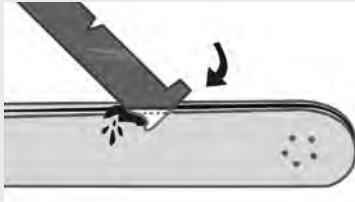
Tips:

- To maintain optimal performance, install a new drive sprocket at the maximum of each 10 loops of chain when the wear depth on the surface of the drive sprocket reaches 0.6 mm or excessive wear or damage occurs.

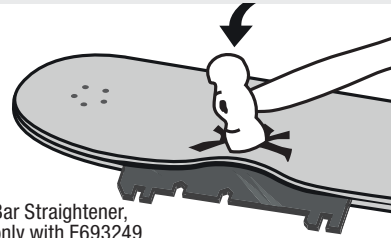
SAW BAR AND CHAIN ACCESSORIES



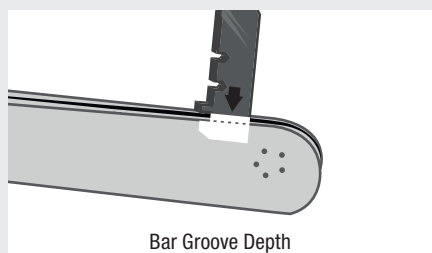
Bar Alignment Tool



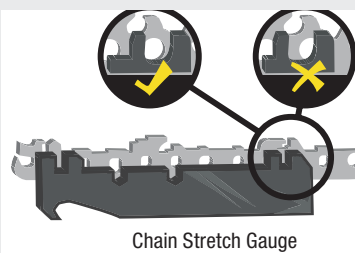
Bar Groove Cleaner



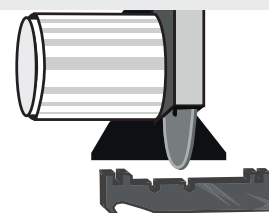
Bar Straightener,
only with F693249



Bar Groove Depth



Chain Stretch Gauge



Grinding Wheel Dress Gauge

Tools

PART NUMBER	DESCRIPTION	NOTE
F703803	Gauge	Plastic, gauge for saw bars, chains, and sprockets
F6932449	Gauge	Metal, gauge for saw bars, chains, and sprockets
F712107	Bar rail dresser	Rails dresser for daily bar maintenance
F712108	Spare files for rail dresser	6 spare files in pack



SAW BAR AND CHAIN ACCESSORIES

Chain-Shot Guard, Chain Catcher, SuperCut 100S		
PART NUMBER	DESCRIPTION	NOTE
F627941	Chain-shot guard	
F699806	Chain-shot guard	z 18
F715940	Chain catcher	z 12-13
F715590	Chain catcher	z 14-18

Chain-Shot Guard, Chain Catcher, SuperCut 100		
PART NUMBER	DESCRIPTION	NOTE
F627941	Chain-shot guard	
F061584	Chain catcher	50 mm
F684124	Chain catcher	65 mm

Saw chain allowable spindle rpm		
SAW MOTOR	SPROCKET	RPM RANGE
John Deere 19 cc	Z=13	8400-8600
Bucher 20 cc	Z=12	9100-9300
Bucher 25 cc	Z=14	7800-8000
Bucher 25 cc	Z=15	7250-7450
Bucher 32 cc	Z=18	6050-6200

Recommended and Maximum .404" saw chain speed is 40 m/s (8000 ft/min) that is met with the drive shaft speed on the table above.

Contact your local Waratah dealer for adjusting saw motor speed.



WARNING!

There is a risk of serious injury or death to the machine operator, ground personnel, and bystanders from chain-shot.

Chain-shot occurs when a piece or pieces of the cutting chain from the end of a broken saw-chain is ejected at high velocity during timber harvesting or processing.

Chain-shot typically originates near the drive end of the cutting system but can also break from the guide-bar tip area.

Saw-chain pieces usually travel in the cutting plane of the guide-bar but can deviate to either side. Although the shot cone reflects the most likely chain-shot, path, deflections can occur, substantially expanding where chain pieces may travel.
Do not saw towards the cabin.

To minimize the risk of chain-shot inspect the condition of the drive sprocket, saw-bar, chain, and chain-shot guard at the beginning of each shift, and replace parts when any suspicious marks, wear, or bending are noticed.
Always keep replacements available.

3MARK PG — PREMIUM COLOR MARKING FLUIDS

Waratah offers John Deere’s 3Mark Eco Premium color-marking fluids are 100-percent biodegradable and suitable for year-round use. They leave a very strong mark without permeating into the wood. The color is not water soluble after marking.

DESCRIPTION	ADDITIONAL INFO	PART NUMBER
3Mark PG, plastic bag 3 L	Blue	F720004
3Mark PG, canister 10 L	Blue	F720005
3Mark PG, plastic bag 3 L	Red	F720006
3Mark PG, canister 10 L	Red	F720008



FEED ROLLERS



FEED ROLLERS

Selecting the correct feed roller for your application

With the wide range of feed rollers available from Waratah, you can always find the right one for your application, no matter the tree species being processed or the operating conditions.

Using the right feed roller increases productivity, decreases fuel consumption, and maintains the quality of the harvested trees. So, it's important to choose the right feed roller for the working conditions and the types of trees being felled.

The condition of the feed roller is a critical matter. Roller spikes, hydraulic hoses, and any adjustable plates should be inspected periodically. Also, optimal feed roller cylinder pressure is a top priority for maximizing harvesting productivity. If the pressure is too high, feeding speed will decrease and fuel consumption will increase.

A rule of thumb for measuring productivity is to monitor fuel consumption per cubic meter produced.

Three groups of feed rollers

Feed rollers can be divided into three basic groups depending on the profile of spikes used: **soft**, **standard**, and **aggressive**.



Rib MTH Soft



Steel Thumbnail Standard



Moipu Steel Aggressive

Always the right feed roller, whatever the purpose

Checking the condition of feed rollers regularly is of the utmost importance, since worn feed rollers demand higher pressure to maintain adequate grip. This in turn will increase fuel consumption, as well as stress on harvester-head components. Waratah has a wide range of high-quality replacement feed rollers for every purpose and every kind of timber.

FEED ROLLERS

Soft Rollers

Feed rollers with less aggressive spikes are recommended when the harvested trees have a thin bark and can be damaged easily. V-type and ribbed rollers are some examples of available soft rollers.

HEAD	TYPE	LEFT/ RIGHT	UPPER	LOWER	PART NO.	NOTE
H212	MenSe V-Tec	Left/right		X	F722067	
H212	Rib	Left/right		X	F701790	
H270 Series II	MenSe V-Tec	Left/right		X	F722314	
H270 Series II	Moipu, Standard	Left/right		X	F703759	
H270 Series II	Rib	Left/right		X	F682207	
H270 Series II	Tireco	Left/right		X	F060838	
H290/H219	MenSe V-Tec	Left/right		X	F722315	
H290/H219	Moipu, Standard	Left/right		X	F703751	
H290/H219	Rib	Left/right		X	F686759	
H290/H219	Tireco	Left/right		X	F070410	
H412	MenSe, V-Tec	Left/right		X	F706454	
H412	Rib Multi-Tree Handling (MTH)	Left		X	F701624	
H412	Rib MTH	Right		X	F701623	
H412	V-type MTH	Left		X	F659223	
H412	V-type MTH	Right		X	F659232	
H412	V-type	Left	X		F657204	
H412	V-type	Right	X		F657203	
H413/H423	MenSe, V-Tec	Left/right		X	F706456	
H413/H423	Moipu, Standard	Left/right		X	F703752	
H413/H423	Rib MTH 20 mm	Left		X	F698544	
H413/H423	Rib MTH 20 mm	Right		X	F698543	
H413/H423	V-type MTH	Left		X	F681651	
H413/H423	V-type MTH	Right		X	F681649	
H413/H423	V-type	Left	X		F709462	
H413/H423	V-type	Right	X		F709461	
H413/H423	Rib	Left/right	X		F709444	
H413/H423	Rib	Left		X	F681415	
H413/H423	Rib	Right		X	F681412	
H413/H423	Moipu, Extreme	Left/right		X	F734045	
H414/H424	MenSe V-Tec	Left/right		X	F706455	
H414/H424	Moipu, Standard	Left/right		X	F703760	
H414/H424	Rib MTH	Left		X	F697354	
H414/H424	Rib MTH	Right		X	F697353	
H414/H424	Rib	Left/right	X		F685855	
H414/H424	Rib	Left/right		X	F685833	
H414/H424	V-type MTH	Left		X	F662311	
H414/H424	V-type MTH	Right		X	F662313	
H414/H424	V-type	Left	X		F649820	
H414/H424	V-type	Right	X		F649821	
H414/H424	Moipu, Extreme	Left/right		X	F734046	



Rib MTH



V-type

FEED ROLLERS

Soft Rollers

HEAD	TYPE	LEFT/ RIGHT	UPPER	LOWER	PART NO.	NOTE
H415/H425	MenSe, V-TEC	Left/right		X	F706458	Poclain motor
H415/H425	MenSe, V-TEC	Left/right		X	F706457	Multi Speed
H415/H425	Moipu, Standard	Left/right		X	F703757	Poclain motor
H415/H425	Rib MTH	Left		X	F688454	Multi Speed
H415/H425	Rib MTH	Right		X	F688453	Multi Speed
H415/H425	Rib MTH	Left		X	F688048	Poclain motor
H415/H425	Rib MTH	Right		X	F688044	Poclain motor
H415/H425	V-type MTH	Left		X	F684364	Poclain motor
H415/H425	V-type MTH	Right		X	F684368	Poclain motor
H415/H425	Rib	Left		X	F678275	Poclain motor
H415/H425	Rib	Right		X	F678282	Poclain motor
H415/H425	Rib	Left/right	X		F673191	
H415/H425	Rib	Left		X	F673157	Multi Speed
H415/H425	Rib	Right		X	F673158	Multi Speed
H415/H425	V-type	Left		X	F656785	Poclain motor
H415/H425	V-type	Right		X	F656784	Poclain motor
H415/H425	V-type	Left	X		F656358	
H415/H425	V-type	Right	X		F656359	
H415/H425	Moipu, Extreme	Left/right		X	F734047	Poclain motor
H415/H425	Moipu, Extreme	Left/right		X	F734048	Multi Speed
H480C	MenSe, V-TEC	Left/right		X	F706458	Poclain motor
H480C	Moipu, Standard	Left/right		X	F703757	Poclain motor
H480C	Moipu, Standard	Left/right		X	F703756	Danfoss motor
H480C	Moipu, Standard	Left/right		X	F703756	Danfoss motor
H480C	Rib	Left		X	F678275	Poclain motor
H480C	Rib	Right		X	F678282	Poclain motor
H480C	V-type MTH	Left		X	F674131	Poclain motor
H480C	V-type MTH	Right		X	F674129	Poclain motor
H480C	V-type MTH	Left		X	F674094	Danfoss motor
H480C	V-type MTH	Right		X	F674097	Danfoss motor
H480C	V-type	Left		X	F657855	Danfoss motor
H480C	V-type	Right		X	F657856	Danfoss motor
H480C	V-type	Left		X	F656785	Poclain motor
H480C	V-type	Right		X	F656784	Poclain motor
H480C	V-type	Left	X		F656358	
H480C	V-type	Right	X		F656359	
H480C	MenSe V-type	Left		X	F653819	Poclain motor
H480C	MenSe V-type	Right		X	F653820	Poclain motor
H480C	V-type	Left/right		X	F639835	Danfoss motor
HTH450	Moipu, Standard	Left/right		X	F703755	
HTH250	Moipu, Standard	Left/right		X	F703758	
HTH250HD	Tireco	Left/right		X	F059969	
HTH460	Moipu, Standard	Left/right		X	F703754	
HTH460	V-type	Left		X	F064809	
HTH460	V-type	Right		X	F064808	
HTH460	V-type	Left/right	X		F064807	



V-type MTH



Rib



Moipu, Standard

FEED ROLLERS

Standard Rollers

A wide range of standard rollers is recommended for relatively straight coniferous trees, i.e., softwood.

HEAD	TYPE	LEFT/RIGHT	UPPER	LOWER	PART NO.	NOTE
H212	Steel Thumbnail	Left/right		X	F703832	
H270 Series II	Moipu, Flex Aggressive	Left/right		X	F703643	
H270 Series II	MenSe, Steel Standard	Left/right		X	F063262	
H270 Series II	MenSe, Rubber Standard	Left/right		X	F063261	
H290/H219	Moipu, Flex Aggressive	Left/right		X	F703641	
H290/H219	MenSe, Rubber Standard	Left/right		X	F066206	
H290/H219	MenSe, Steel Standard	Left/right		X	F066205	
H412	Steel Thumbnail	Left	X		F647483	
H412	Steel Thumbnail	Right	X		F647467	
H412	MenSe, Rubber Standard	Left/right		X	F722079	
H413/H423	Moipu, Flex Aggressive	Left/right		X	F703632	
H413/H423	MenSe, Rubber XL	Left		X	F685766	
H413/H423	MenSe, Rubber XL	Right		X	F685781	
H413/H423	Steel Thumbnail	Left	X		F709387	
H413/H423	Steel Thumbnail	Right	X		F709389	
H413/H423	Steel Thumbnail	Left		X	F681541	
H413/H423	Steel Thumbnail	Right		X	F681540	
H414/H424	Moipu, Flex Aggressive	Left/right		X	F703638	
H414/H424	Steel Thumbnail MTH	Left		X	F683127	
H414/H424	Steel Thumbnail MTH	Right		X	F683125	
H414/H424	Steel Thumbnail	Left/right		X	F659191	
H414/H424	Steel Thumbnail	Left	X		F649553	
H414/H424	Steel Thumbnail	Right	X		F649552	
H414/H424	MenSe, Rubber XL	Left		X	F073858	
H414/H424	MenSe, Rubber XL	Right		X	F073859	
H415/H425	Moipu, Flex Aggressive	Left/right		X	F703629	Multi Speed
H415/H425	Moipu, Flex Aggressive	Left/right		X	F703624	Poclain motor
H415/H425	Steel Thumbnail	Left		X	F695181	Multi Speed
H415/H425	Steel Thumbnail	Right		X	F695180	Multi Speed
H415/H425	Steel Thumbnail	Left		X	F657673	Poclain motor
H415/H425	Steel Thumbnail	Right		X	F657672	Poclain motor
H415/H425	Steel Thumbnail	Left	X		F656363	
H415/H425	Steel Thumbnail	Right	X		F656362	

BE PRODUCTIVE

Keep in mind the working conditions and the species of tree being processed. Then choose the correct type of feed roller to suit your application. As you know, only feeding forward is money in your pocket. If the tree is slipping and you need to reverse when feeding, that costs time and money.



Moipu, Flex Aggressive



MenSe, V-TEC

FEED ROLLERS

Standard Rollers

HEAD	TYPE	LEFT/ RIGHT	UPPER	LOWER	PART NO.	NOTE
H480C	Moipu, Aggressive	Left/right		X	F703625	Danfoss motor
H480C	Moipu, Aggressive	Left/right		X	F703625	Danfoss motor
H480C	Moipu, Aggressive	Left/right		X	F703624	Poclain motor
H480C	Steel Thumbnail	Left		X	F657673	Poclain motor
H480C	Steel Thumbnail	Right		X	F657672	Poclain motor
H480C	Steel Thumbnail	Left		X	F656916	Danfoss motor
H480C	Steel Thumbnail	Right		X	F656915	Danfoss motor
H480C	Steel Thumbnail	Left	X		F656363	
H480C	Steel Thumbnail	Right	X		F656362	
HTH450	Moipu, Aggressive	Left/right		X	F703644	
HTH250	Moipu, Aggressive	Left/right		X	F703642	
HTH250HD	MenSe, Rubber Standard	Left		X	F062508	
HTH250HD	MenSe, Rubber Standard	Right		X	F062477	
HTH250HD	MenSe, Steel Standard	Left		X	F062478	
HTH250HD	MenSe, Steel Standard	Right		X	F062509	
HTH460	Moipu, Aggressive	Left/right		X	F703648	
HTH460	Steel Thumbnail MTH	Left		X	F652271	
HTH460	Steel Thumbnail MTH	Right		X	F652272	
HTH460	MenSe, Rubber XL	Left		X	F071271	
HTH460	MenSe, Rubber XL	Right		X	F071272	
HTH460	Steel Thumbnail	Left	X		F063384	
HTH460	Steel Thumbnail	Right	X		F063383	
HTH460	Rib MTH Classic	Left/right		X	F063378	
HTH460	Steel Thumbnail	Left/right		X	F063377	



Steel Thumbnail



Steel thumbnail MTH



MenSe, Rubber XL

FEED ROLLERS

Aggressive Rollers

Aggressive rollers are designed for more branchy trees, including coniferous with a thick bark and curved deciduous, i.e., hardwood. Larger spikes on aggressive rollers deliver a better grip with lower roller-cylinder pressure, thus lessening the load on the head and ultimately saving fuel. Aggressive rollers set to the correct roller-cylinder pressure provide a good grip on the tree. They do not damage the tree surface, as the wider spike actually exerts less surface pressure.

HEAD	TYPE	LEFT/ RIGHT	UPPER	LOWER	PART NO.	NOTE
H212	Debarking	Left/right			F710066	
H270 Series II	Moipu, Steel	Left/right		X	F703965	
H270 Series II	MenSe, Steel Aggressive	Left		X	F074908	
H270 Series II	MenSe, Steel Aggressive	Right		X	F074909	
H270 Series II	MenSe, Rubber Aggressive	Left		X	F074906	
H270 Series II	MenSe, Rubber Aggressive	Right		X	F074907	
H290/2H19	Debarking	Left/right		X	F705689	
H290/2H19	Moipu, Steel	Left/right		X	F703966	
H290/2H19	MenSe, Steel Aggressive	Left		X	F074912	
H290/2H19	MenSe, Steel Aggressive	Right		X	F074913	
H290/2H19	MenSe, Rubber Aggressive	Left		X	F074910	
H290/2H19	MenSe, Rubber Aggressive	Right		X	F074911	
H290/2H19	Hardwood	Left/right		X	F706460	
H413/H423	Moipu, Steel	Left/right		X	F703969	
H413/H423	Energy Wood MTH	Left/right		X	F681510	
H414/H424	Moipu, Steel	Left/right		X	F703967	
H414/H424	Energy Wood MTH	Left/right		X	F684620	
H414/H424	Debarking	Left/right		X	F664027	
H414/H424	Debarking	Left/right	X		F664010	
H415/H425	Hardwood	Left		X	F706393	Multi Speed
H415/H425	Hardwood	Right		X	F706415	Multi Speed
H415/H425	Hardwood	Left		X	F705973	Poclain motor
H415/H425	Hardwood	Right		X	F706000	Poclain motor
H415/H425	Moipu, Steel	Left/right		X	F703971	Poclain motor
H415/H425	Moipu, Steel	Left/right		X	F703970	Multi Speed
H415/H425	Debarking	Left/right	X		F693905	Poclain motor
H415/H425	Debarking	Left/right		X	F693872	Poclain motor
H415/H425	MenSe, Rubber Aggressive	Left		X	F688374	Poclain motor
H415/H425	MenSe, Rubber Aggressive	Right		X	F688375	Poclain motor



MenSe Aggressive



Rib MTH



Aggressive Steel



Moipu Steel

FEED ROLLERS

Aggressive Rollers

HEAD	TYPE	LEFT/ RIGHT	UPPER	LOWER	PART NO.	NOTE
H480C	Moipu, Steel	Left/right		X	F703971	Poclain motor
H480C	Moipu, Steel	Left/right		X	F703968	Danfoss motor
H480C	Debarking	Left/right	X		F693905	
H480C	Debarking	Left/right		X	F693872	Poclain motor
H480C	MenSe, Rubber Aggressive	Left		X	F075161	Poclain motor
H480C	MenSe, Rubber Aggressive	Right		X	F075160	Poclain motor
H480C	MenSe, Rubber Aggressive	Left		X	F075159	Danfoss motor
H480C	MenSe, Rubber Aggressive	Right		X	F075158	Danfoss motor

Plates for Moipu Flex Rollers

PART NO.	DESCRIPTION	HARVESTER HEAD
F704191	Bolt for Plates	All
F704239	Gripping plate Standard 90 x 99	H413/H423
F704244	Gripping plate Aggressive 90 x 99	H413/H423
F704194	Gripping plate Standard 90 x 84	H414/H424
F704182	Gripping plate Aggressive 90 x 84	H414/H424
F704219	Gripping plate Standard 90 x 105	H415/H525 BB, H480 Danfoss
F704198	Gripping plate Aggressive 90 x 105	H415/H425 BB, H480 Danfoss
F704224	Gripping plate Standard 90 x 110	H480C Poclain
F704237	Gripping plate Aggressive 90 x 110	H480C Poclain
F704246	Gripping plate Standard 90 x 320	H270
F704250	Gripping plate Aggressive 90 x 320	H270
F704264	Gripping plate Standard 90 x 340	H290/H219
F704263	Gripping plate Aggressive 90 x 340	H290/H219
F704270	Gripping plate Standard 85 x 265	HTH250
F704278	Gripping plate Aggressive 85 x 265	HTH250
F704344	Gripping plate Standard 90 x 75	HTH460, HTH450
F704307	Gripping plate Aggressive 90 x 75	HTH460, HTH450



Spare Spikes

PART NO.	TYPE	NOTE
F061944	Spike	14 mm
F662190	Spike	20 mm, hardened
F648012	Spike	20 mm, no hardening
F705983	Spike	30 mm
F654895	Spike	V-Type bar

FEED ROLLERS

TP-Rollers

These unique and spacious rollers exert an excellent grip due to numerous sharp spikes that stick into the stem. Disc places can be changed to prolong the wear life of the roller, making maintenance easy and simple. Harvester head can be equipped with a rollers cleaner that removes saw dust and bark remainings between the blades.

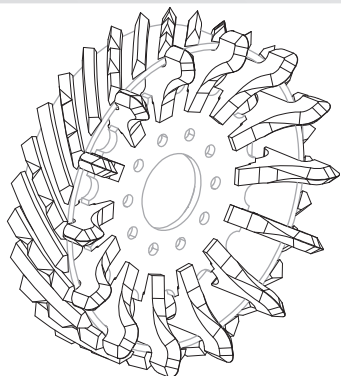
HEAD	TYPE	LEFT/RIGHT	UPPER	LOWER	PART NO.	NOTE
H412	TP-Roller	Left/right		X	3FP007241	
H413/H423	TP-Roller	Left/right		X	3FP007240	
H414/H424	TP-Roller	Left/right		X	3FP007221	
H415/H425	TP-Roller	Left/right		X	3FP007242	Multi Speed
H415/H425	TP-Roller	Left/right		X	3FP007245	Poclain motor
H480C	TP-Roller	Left/right		X	3FP007244	Danfoss motor
H480C	TP-Roller	Left/right		X	3FP007245	Poclain motor
H414/H424	Roller cleaner				3FP007544	
H415/H425	Roller cleaner				3FP007545	



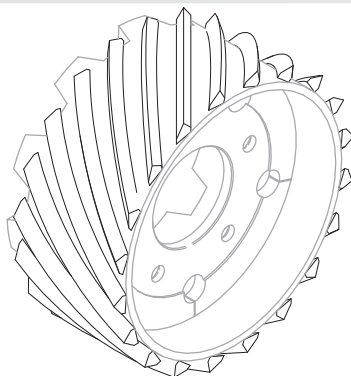
Roller cleaner



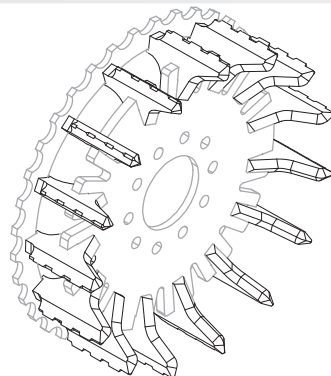
FEED ROLLERS 4 WD



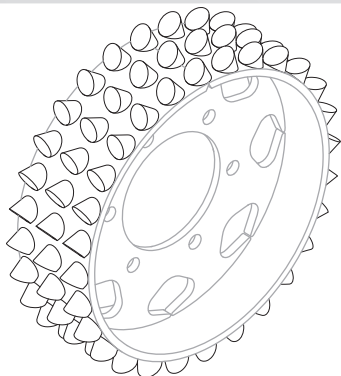
Debarking



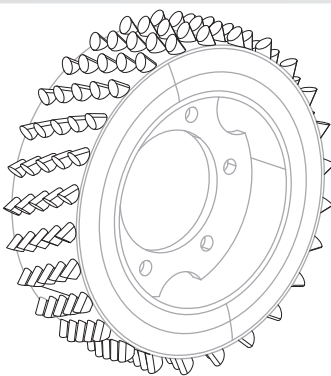
Debarking (Upper)



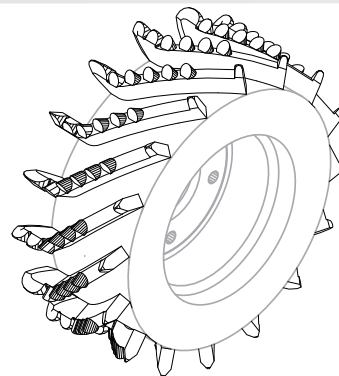
Energy wood, MTH



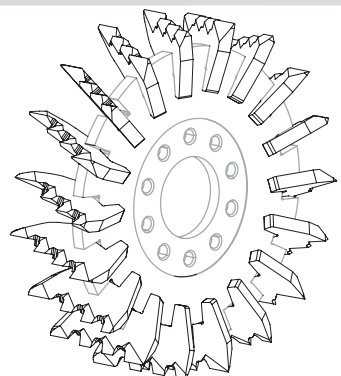
Hardwood



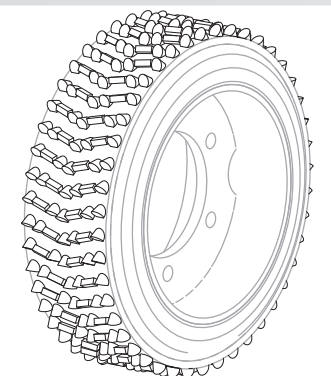
MenSe, Rubber Aggressive



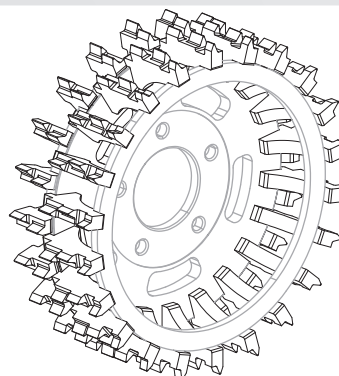
MenSe, Rubber XL



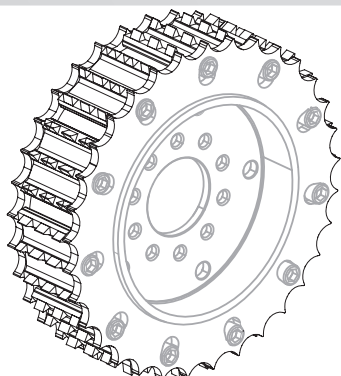
MenSe, V-TEC



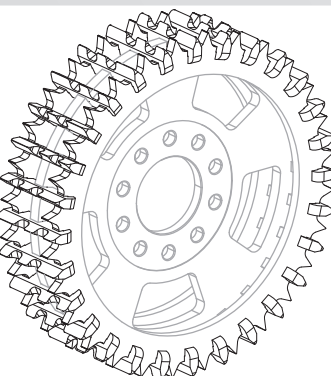
MenSe, V-type



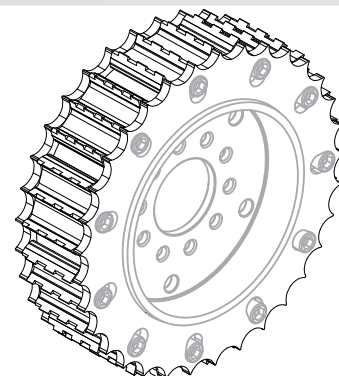
Moipu, Extreme



Moipu, Flex Aggressive

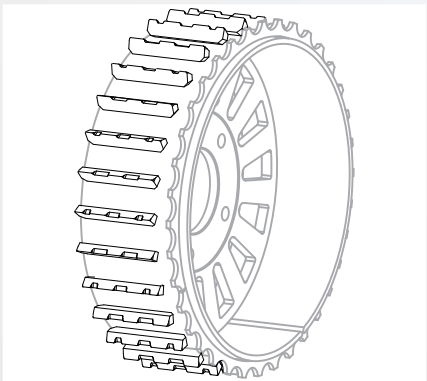


Moipu, Steel Open

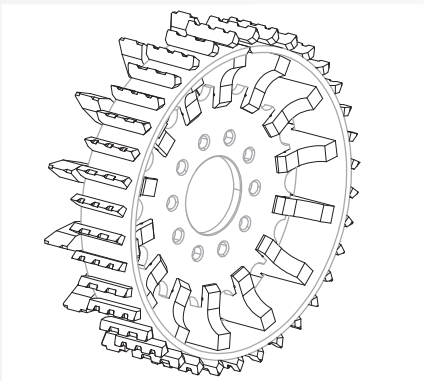


Moipu, Flex Standard

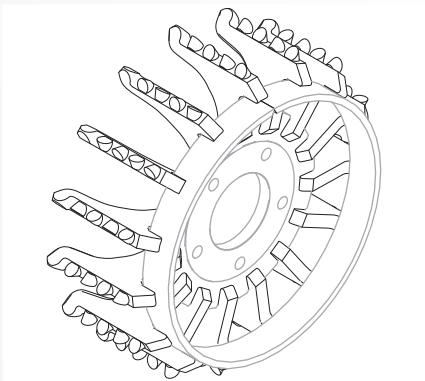
FEED ROLLERS 4 WD



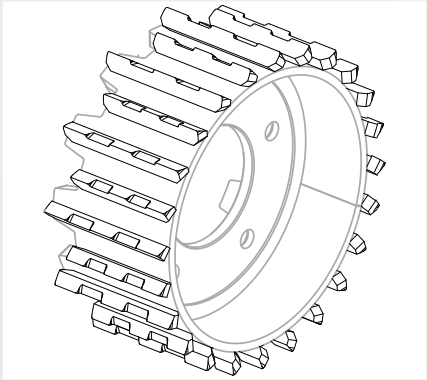
Rib



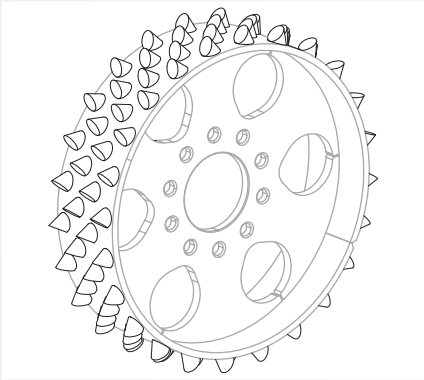
Rib, MTH



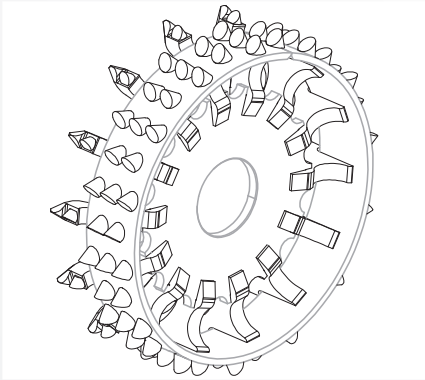
Rib, MTH Classic



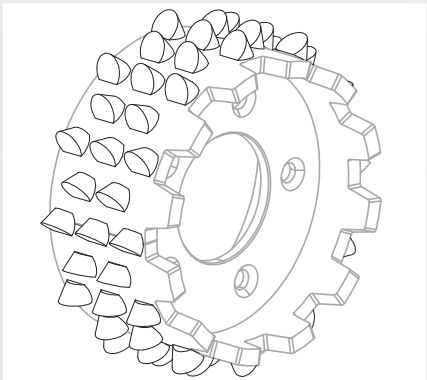
Rib (Upper)



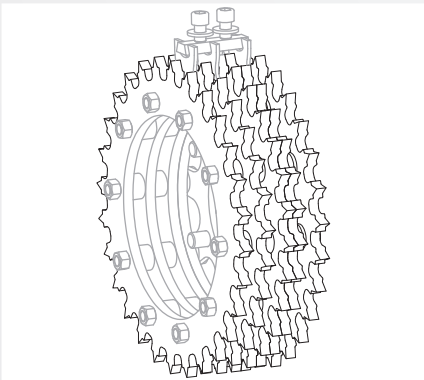
Steel Thumbnail



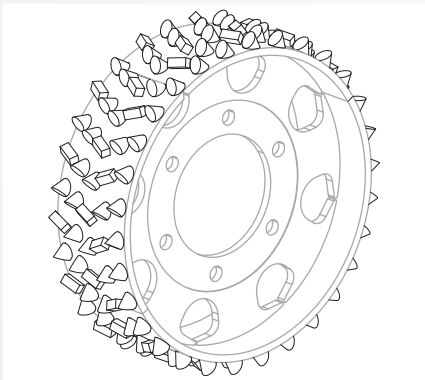
Steel Thumbnail MTH



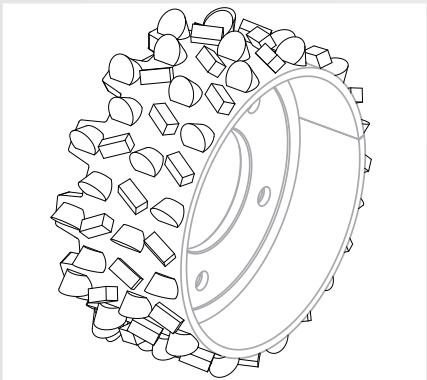
Steel Thumbnail (Upper)



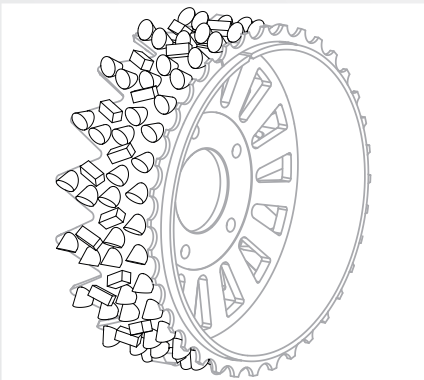
TP-Roller



V-type

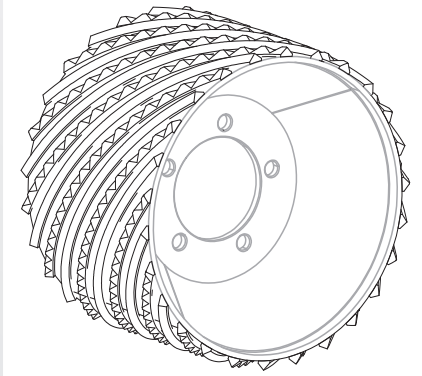


V-type (Upper)

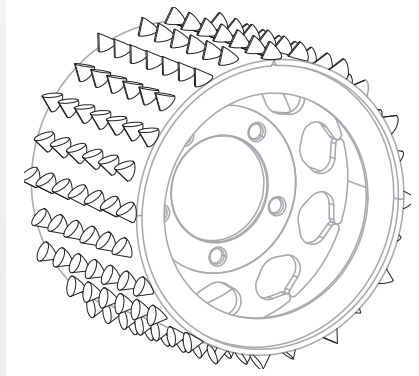


V-type, MTH

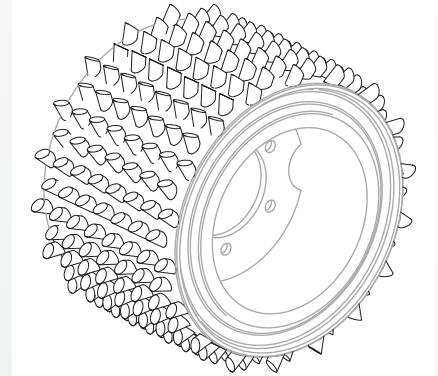
FEED ROLLERS 2 WD



Debarking



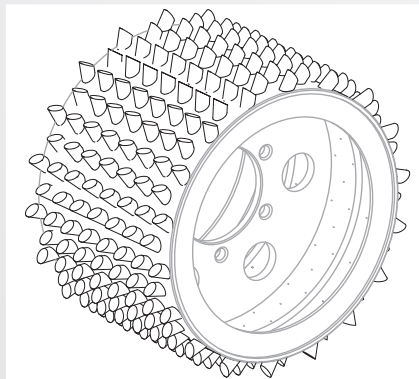
Hardwood



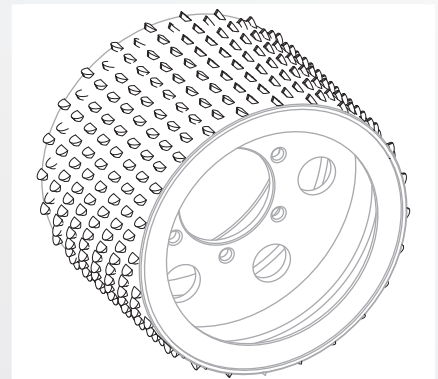
MenSe, Rubber Aggressive



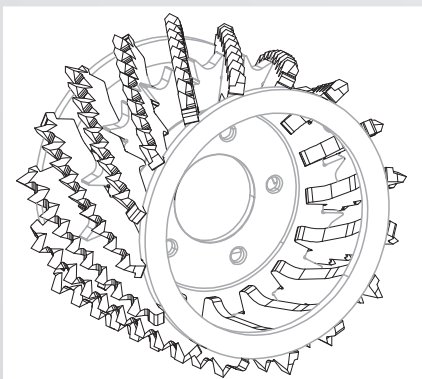
MenSe, Rubber Standard



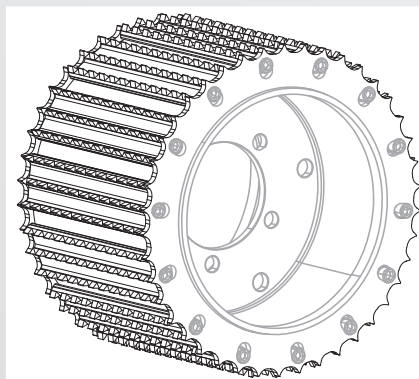
MenSe, Steel Aggressive



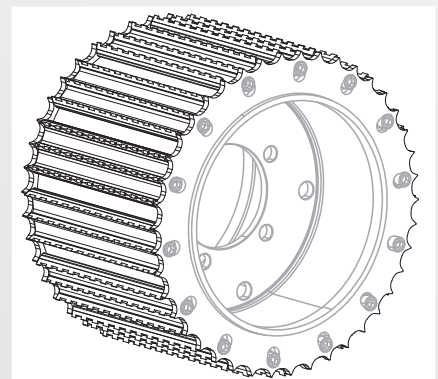
MenSe, Steel Standard



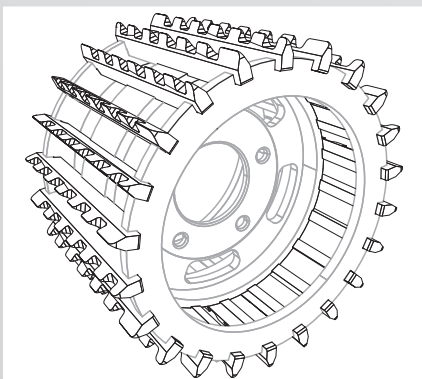
MenSe, V-TEC



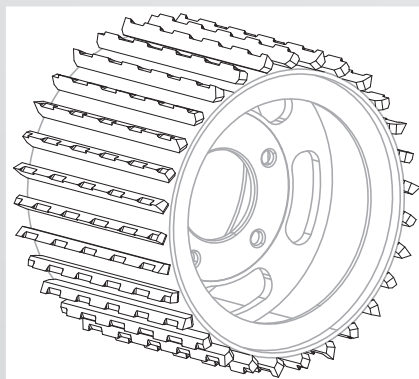
Moipu, Flex Aggressive



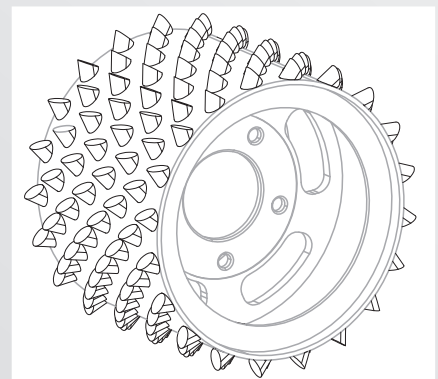
Moipu, Flex Standard



Moipu, Steel Open



Rib



Steel, Thumbnail

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DELIMBING KNIVES



DELIMBING KNIVES

Original Waratah knives are designed specifically for our harvester heads. Our delimbing knives deliver improved delimbing performance for every delimbing application. Find the knives to meet your application from our wide selection.



Contorta



Classic



Wide

Waratah top-knife options:

- Contorta knives are designed for trees with a lot of branches. However, the long blade is **not** recommended for bent trees.
- Classic knives come with narrow and short blades, and are suitable for a wide variety of stems.
- Wide knives have the same shape as the Classic blade. The wider knife profile prevents the stem from getting between the top and upper knives.

H412

PART NUMBER	TITLE	DESCRIPTION	ADDITIONAL INFO
F674562	Top knife	Knife Standard (STD)	Casted
F644183		Knife Contorta	Welded
F705547	Processor knife	Delimber left-hand (LH) side	Welded
F705418		Delimber right-hand (RH) side	Welded
F655607	Upper delimbing knife	Delimber LH	Welded
F655608		Delimber RH	Welded
F686909	Lower delimbing knife	Delimber	Welded

H413/H423

PART NUMBER	TITLE	DESCRIPTION	ADDITIONAL INFO
F684527	Top knife	Knife STD	Casted
F705923	Processor knife	Delimber LH	Welded
F705922		Delimber RH	Welded
F691453	Upper delimbing knife	Delimber LH	Casted
F691452		Delimber RH	Casted
F684525	Lower delimbing knives	Delimber LH/RH	Welded
F687196		Color-marking delimber knife RH	Welded

H414/H424

PART NUMBER	TITLE	DESCRIPTION	ADDITIONAL INFO
F694656	Top knife	Knife STD	Casted
F695958		Knife Classic	Casted
F718674	Processor knife	Delimber, LH	Welded
F718673		Delimber RH	Welded
F654482	Upper delimbing knife	Delimber LH	Welded
F654483		Delimber RH	Welded
F674820		Delimber LH	Casted
F674824		Delimber RH	Casted
F654484	Lower delimbing knife	Delimber LH/RH	Welded (H414)
F689870		Delimber LH	Welded, used with color-marking knife F654486 (H414)
F654486		Color-marking delimber knife RH	Welded (H414)
F715347	Lower delimbing knife	Delimber LH/RH	Welded (H424)
F715930		Color-marking delimber knife RH	Welded (H424)

DELIMBING KNIVES

H415/H425

PART NUMBER	TITLE	DESCRIPTION	ADDITIONAL INFO
F694656	Top knife	Knife STD	Casted
F695958		Knife Classic	Casted
F705599	Upper delimbing knife	Delimber LH	Casted
F684813		Delimber RH	Casted
F688383	Processing knife	Delimber LH	Welded, Processing knife
F688384		Delimber RH	Welded, Processing knife
F683679	Lower delimbing knives	Delimber LH/RH	Welded
F685035		Color-marking delimber knife RH	Welded

H480C

PART NUMBER	TITLE	DESCRIPTION	ADDITIONAL INFO
F674692	Top knife	Knife Contorta	Welded
F674694		Knife Wide	Welded
F674702		Knife	Welded
F692590		Knife STD	Welded
F654129		Knife Moving	Welded
F674689	Upper delimbing knife	Delimber LH	Welded
F674690		Delimber RH	Welded
F692412	Lower delimbing knives	Delimber LH	Welded
F692451		Delimber RH	Welded
F691920		Color-marking delimber knife RH	Welded



F674990



F674991

H212

PART NUMBER	TITLE	DESCRIPTION	ADDITIONAL INFO
F684527	Top knife	Knife	Casted
F713504	Lower delimbing knife	Delimber	Welded
F708699	Upper delimbing knife	Delimber LH	Casted
F708698		Delimber RH	Casted
F705923	Processor knife	Delimber LH	Welded
F705922		Delimber RH	Welded

H270

PART NUMBER	TITLE	DESCRIPTION	ADDITIONAL INFO
F674991	Top knife	Knife STD	Welded
F674990		Knife Euca	Welded
F687238		Knife arrow shaped	Welded
F674863	Upper delimbing knife	Delimber LH	Welded
F674864		Delimber RH	Welded
F674865	Lower delimbing knives	Delimber LH/RH	Welded



F687238

DELIMBING KNIVES

H290/H219

PART NUMBER	TITLE	DESCRIPTION	ADDITIONAL INFO
F696378	Top knife	Knife	Welded
F701440	Upper delimbing knife	Delimber LH	Welded
F701439		Delimber RH	Welded
F681873	Lower delimbing knife	Delimber LH	Welded
F717520		Delimber RH	Welded
F707452	Processor knife	Delimber LH	Welded
F707451		Delimber RH	Welded

HTH250HD

PART NUMBER	TITLE	DESCRIPTION	ADDITIONAL INFO
F682156	Top knife	Knife	Welded
F682154	Upper delimbing knife	Delimber LH	Casted
F682155		Delimber RH	Casted
F682062	Lower delimbing knives	Delimber LH/RH	Welded

HTH460

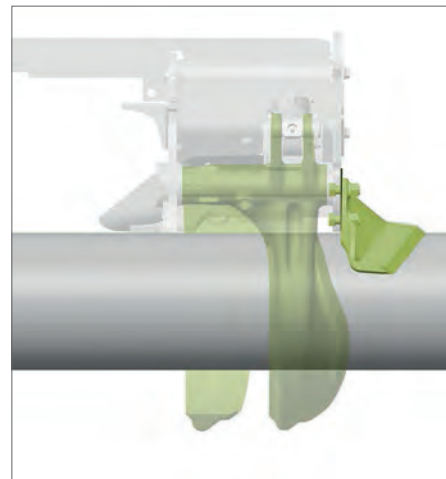
PART NUMBER	TITLE	DESCRIPTION	ADDITIONAL INFO
F635830	Top knife	Knife	Welded
F644183		Knife Contorta	Welded
F681957	Upper delimbing knife	Delimber LH	Welded
F681962		Delimber RH	Welded
F653877		Delimber LH	Casted
F653878		Delimber RH	Casted
F674793		Delimber LH	Welded, processing knife
F674794		Delimber RH	Welded, processing knife
F653879		Delimber LH	Welded, contorta
F653880		Delimber RH	Welded, contorta
F653881	Lower delimbing knife	Delimber LH	Welded
F653882		Delimber RH	Welded
F653883		Color-marking delimber knife RH	Welded

Top knife adjusting shims

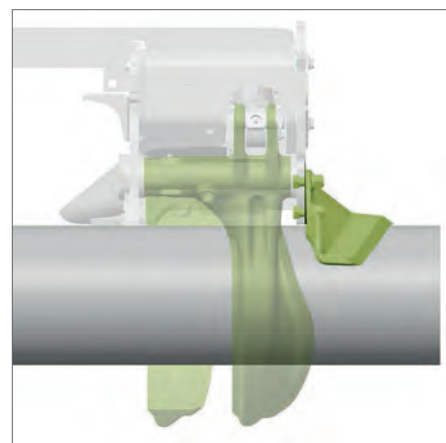
PART NUMBER	TITLE	DESCRIPTION
F647428	Top knife negative- angle shim	H413/H423, HTH460, H414/H424, H480C, H415/H425
F677675	Top knife positive- angle shim	H413/H423, HTH460, H414/H424, H480C, H415/H425

Maintenance of knives

PART NUMBER	TITLE	DESCRIPTION
F681744	Blade gauge	Blade gauge



F647428 shim moves the tip of the fixed top knife towards the stem, making the top knife more aggressive.



F677675 shim moves the tip of the fixed top knife away from the stem, making the top knife less aggressive.



F681744 Blade gauge

DELIMBING KNIVES

Ensuring high performance with proper maintenance

An important part of harvester head maintenance is to check all delimbing knives for damage and sharpness. Sharp knives have a direct impact on high machine productivity and uptime, as well as low daily operating costs.



Advantages of proper knife maintenance:

- Meet the delimbing-quality requirements of the wood buyer.
- Improve length- and diameter-measuring accuracy.
- Reduce friction while cutting branches.
- Use less feed force.
- Reduce fuel consumption.
- Exert less stress on the entire head structure.

Tips for sharpening delimbing knives:

Before sharpening

- Pressure adjustments together with other adjustments of the automation system have an effect on the delimbing quality. Adjust the settings before sharpening the delimbing knives.
- Check the edge angle and straightness of the outer side all the way.

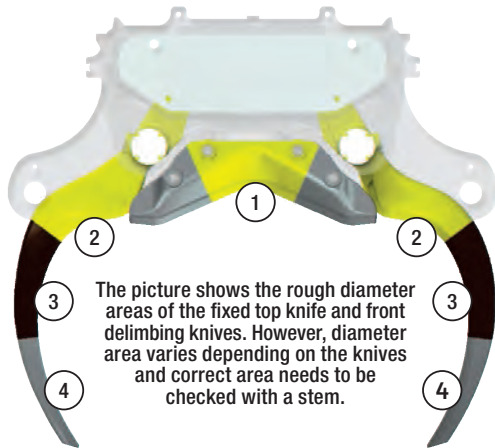
Sharpening the cutting edge

- Sharpen the delimbing knives by grinding with flap disc or hand file.
- Use a hard flap disc to maintain the form of the delimbing knives.
- Begin sharpening on the outside edge. Make sure the shape of the cutting edge is correct.
- Always sharpen the cutting edge of new cast delimbing knives, before putting them to use.
- Make a back bevel that is suitable for the application and market. See separate instructions.
- Finish sharpening with a soft flap disc.
- If necessary, grind a bevel to the back face of the delimbing knives.

Back face of delimbing knife

- In some applications, such as many coniferous forests, there is no need for delimbing when feeding backwards. If the application does not require delimbing when feeding backwards, it is recommended to grind a bevel to the back faces of the upper and lower delimbing knives to optimize backwards feeding. Beveled back faces enable shorter opening pulses and better grabbing.
- General measurement of the bevel is 3x3 mm - 4x4 mm.

DELIBMBING KNIVES



Knife sharpening instructions

It is recommended to do a back bevel in the area where the knife whittles the stem. A different back bevel is needed depending on the use of the harvester head. For example, the recommendations for harvester heads used in Northern coniferous forests are given right.

Front knives:

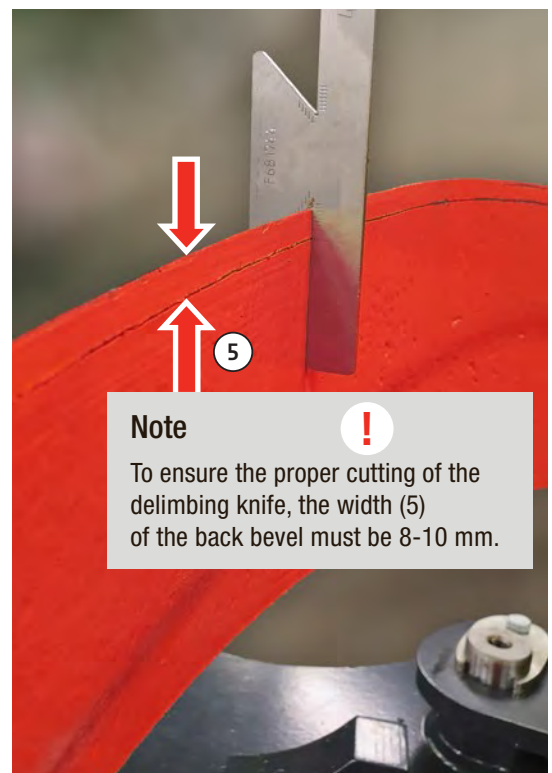
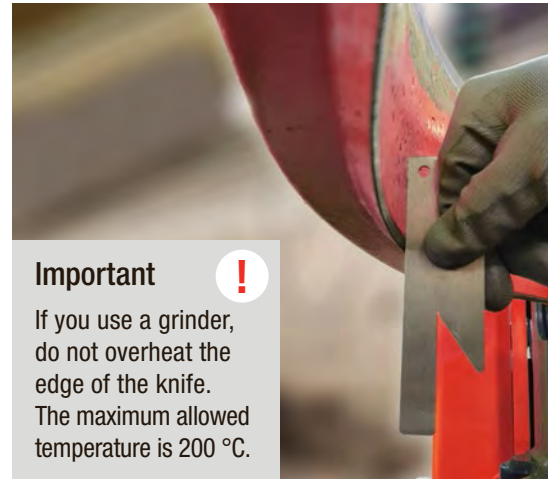
- Minimum - 150 mm (2): Usually does not need back bevel. If needed, 0-1 mm.
- 150 - 400 mm (3): May need some back bevel. If needed, 1-1.5 mm.
- 400 mm - maximum (4): Usually needs a back bevel. If needed, 1.5-2 mm.

Top knife (1):

- Middle area: Usually does not need back bevel. If needed, 0-1 mm.
- Sides: May need some back bevel. If needed, 1-1.5 mm.

Cast knives

- New cast knives usually need back bevel made for each application separately.
- The angle of back bevel depends on the tree species the harvester head is mainly used for. For example, trees with tough branches need delimbing knives with minimal back bevel to achieve good delimbing quality.
- Delimbing knives used for Northern coniferous trees often need a steeper back bevel.





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MEASURING WHEELS



MEASURING WHEELS

Recommended measuring wheel pressure settings

Tips for length- measuring accuracy:

- Spikes should go through the bark.
- Avoid measuring-wheel pressures that are too high. Only the tips of the spikes should contact the stem.
- Wide Multi-Tree Handling (MTH) and grooved measuring wheel tips should follow the bark.

DESCRIPTION	QUANTITY OF MEASURING WHEELS	RECOMMENDED PRESSURE RANGE (BAR)
Standard	1	50–55
Standard	2	80–100
Sharp	1	60–80
Sharp (for MTH)	2	80–90
MTH	1	60–80
Grooved	1	60–80
Aggressive	1	70–90

Length-measuring kit for harvester head

Length-measuring kit includes all parts needed to replace your harvester head length-measuring device.

MODEL	ADDITIONAL INFO	PART NUMBER
H414	Length-measuring kit Does not include the measuring wheel	F699761
H412	Length-measuring kit Does not include the measuring wheel	F707698
H413, H415	Length-measuring kit Does not include the measuring wheel	F718734
H415	Length-measuring kit (long reach) Does not include the measuring wheel	F718733
H480C	Length-measuring kit	F066182

MEASURING WHEELS

Measuring wheels play an important role in the optimal functioning of your harvester head. The harvester's measuring system delivers more accurate measurements when it is outfitted with the correct measuring wheel, for the most benefit to your bottom line.

Measuring wheels can be divided into four basic groups: standard, sharp tip, MTH and machined with grooves.

Standard measuring wheel



- The most commonly used measuring wheel
- Single or dual installation

HEAD	DESCRIPTION	PART NUMBER
H212, H219, H270, H290, H415, H425, H752, H480C	Standard	F655667
H412, H413, H414, H423, H424, H754	Standard	F655677

Multi-Tree-Handling (MTH/Debarking) measuring wheel



- Larger surface
- Suitable for bunch and bundle handling
- Not recommended for single stems

HEAD	DESCRIPTION	PART NUMBER
H212, H415, H425, H480C	MTH	F065579
H412, H413, H414, H423, H424, H754	MTH	F065093

Machined measuring wheel with sharp tips



- Extra-sharp spikes
- Optimal for thick-barked trees

HEAD	DESCRIPTION	PART NUMBER
H212, H219, H270, H290, H415, H425, H752, H480C	Machined, sharp tip	F633609
H412, H413, H414, H423, H424, H754	Machined, sharp tip	F640501

Machined measuring wheel with grooves



- Equipped with grooved spikes
- Grooving allows lower spike height
- Eliminates excessive penetration through bark

HEAD	DESCRIPTION	PART NUMBER
H212, H752HD, H270, H219, H290, H480C	Grooved	F065141
H412, H413, H414, H423, H424, H754	Grooved	F639513

Aggressive



- For thick bark

HEAD	DESCRIPTION	PART NUMBER
H219, H290	Aggressive	F702638

In addition to the tree species, the prevalent weather conditions, such as subzero temperatures and hot summers, will affect the type of measuring wheel you should select.

FEED MOTORS

Waratah harvester-head feed motors are state of the art and highly efficient at any speed or operating pressure. They are designed and tested to work in the most extreme operating conditions and require very little maintenance. Our portfolio includes feed motors from 250cc up to 1404cc to best match your harvester head.



FEED MOTORS

Feed Motors

H412			
PART NUMBER	TITLE	DESCRIPTION	ADDITIONAL INFO
F070696	Upper feed motors	Danfoss TMT 250	
F072607	Lower feed motors	Poclain 450cc	
H413/H423			
F680670	Upper feed motors	Danfoss TMTHW 315	
F686329	Lower feed motors	Poclain 398cc	
H414/H424			
F680670	Upper feed motors	Danfoss TMTHW 315	
F680671	Upper feed motors	Danfoss TMTHW 400	
F706572	Lower feed motors	Poclain 503cc	
F677169	Lower feed motors	Poclain 625cc	
H415/H425			
F680670	Upper feed motors	Danfoss TMTHW 315	
F680671	Upper feed motors	Danfoss TMTHW 400	
F680672	Upper feed motors	Danfoss TMTHW 500	
F688809	Lower feed motors	Poclain 627cc	High Flow
F688810	Lower feed motors	Poclain 780cc	High Flow
F715306	Lower feed motors	Black Bruin 1014/507cc, left side	Multi-Speed
F715308	Lower feed motors	Black Bruin 1014/507cc, right side	Multi-Speed
F704917EX	Lower feed motors, Remanufactured	Black Bruin 1014/507cc, left side	Multi-Speed
F704899EX	Lower feed motors, Remanufactured	Black Bruin 1014/507cc, right side	Multi-Speed
H480C			
F680671	Upper feed motors	Danfoss TMTHW 400	
F680672	Upper feed motors	Danfoss TMTHW 500	
F688809	Lower feed motors	Poclain 627cc	High Flow
F688810	Lower feed motors	Poclain 780cc	High Flow
H212			
F686329	Lower feed motors	Poclain 398cc	
H270			
F676373	Lower feed motors	Poclain 780cc	
F688810	Lower feed motors	Poclain 780cc	High Flow
F688813	Lower feed motors	Poclain 934cc	High Flow
F688812	Lower feed motors	Poclain 857cc	High Flow
H290/H219			
F064360	Lower feed motors	Poclain 1259cc	Multi-Speed
F069972	Lower feed motors	Poclain 1404cc	Multi-Speed
HTH460			
F069245	Upper feed motors	Danfoss TMTW 250	
F680670	Upper feed motors	Danfoss TMTHW 315	
F680671	Upper feed motors	Danfoss TMTHW 400	
F680672	Lower feed motors	Danfoss TMTHW 500	
F680480	Lower feed motors	Danfoss TMTHW 630	



SAW MOTORS



SAW MOTORS

Our portfolio includes a wide selection of original SuperCut saw motors. Waratah saw motors deliver reliable cutting power to your harvester head. They are equipped with Power Boost™ functionality for more power, better performance and increased reliability as well as less friction, heat and oil compression.

Saw Motors			
PART NUMBER	TITLE	HARVESTER HEAD	ADDITIONAL INFO
F687445	Waratah Power Boost SuperCut	H412, H413/H423, H414/H424, H415/H425, H480C, H290/H219, H270, HTH460	19cc
F072207	Bucher SuperCut	H212, H412, H413/H423, H414/H424, H415/H425, H480C, H290/H219, H270, HTH460	20cc
F687444	Waratah Power Boost (OM)	HTH460	19cc
F699750	Bucher SuperCut	H413/H423, H414/H424, H415	25cc
F709893	Bucher SuperCut	H415/H425, H270, H290/H219	32cc *)
F074705	Topsaw	H415/H425, H290/H219	14cc

*) Only suitable with SuperCut 100S saw unit.



ROTATORS

Rotators



INDEXATOR ROTATORS

Our wide selection of Indexator Rotators provide optimal harvester head solutions. Please consult your local dealer for the best configuration for your specific machine and logging application.

Dual Swing Damper

The Dual Swing Damper is used for heavier applications and larger rotators that demand excessive brake function.

The dual-swing damper includes a double brake kit and can dampen swinging in two directions. The Multi-Plate Brake (MPB) swing-damper system uses reliable disc-braking technology to give very controlled, even swing damping. We have both 80- and 100-mm widths in the upper interface.

Single Swing Damper

The Single Swing Damper is used for basic and medium-weight applications where there is a need to dampen swinging.

A flexible and effective solution, the Multi-Plate Brake (MPB) swing damper system uses reliable disc-braking technology to produce top performance, even swing damping. We have both 80- and 100-mm widths in the upper interface.

Link

Primarily used for simple, light applications and work that does not require swing damping.

Links are available in a number of different configurations. As a standard, we have both 80- and 100-mm widths in the upper interface.

Harvesters Portfolio

Indexator H rotators are the perfect solution for modern and efficient forestry. Durable and powerful AV models are a cost-effective solution that combines compact design with low weight and high performance. The IR model is used for heavy applications such as the H219 and H290 harvester heads.

PART NUMBER	ROTATOR MODEL	WEIGHT	HEIGHT (MM)	MACHINE MODEL	DUAL SWING DAMPER	LINK
F682548	Rotator H112	53.7	323	1070E, 1070G, 1170E, 1170G, 1270, 1270E, 1270G, 1470E,	F684125	
F075809	Rotator H132	62.8	352	1070D, 1070E, 1170E, 1270D, 1270E, 1270G, 1470D, 1470E, 1470G	F071107, F070775, F684125	
F698527	Rotator H182	64.4	360	1070E, 1070G, 1170E, 1170G, 1270D, 1270E, 1270G, 1470D, 1470E, 1470G	F071107, F070775	
F054275	Rotator AV12S	55.7	333	1070D, 1070E, 1170E, 1270D, 1270E, 1270G, 1470D, 1470E, 1470G	F071108, F016459	
F057704	Rotator AV14S	55.5	333	770D, 1070D, 1270D, 1270E, 1470D	F071108	
F075808	Rotator AV17S	61.7	353	1070D, 1070E, 1070G, 1170E, 1170G, 1270D, 1270E, 1270G, 1470D, 1470E, 1470G	F071108, F016459	F058751 (100 mm) F058750 (80 mm)
F064765	Rotator IR12AV	82.1	398	H219,H290		F064766 (275 mm), F064768 (link frame)

INDEXATOR ROTATORS



F698527



F057704



F075809



F682548



F054275



F064765



F075808



F071107



F070775



F071108



F684125



F016459



F058751



F058750



F064766



F064768

BLACK BRUIN ROTATORS

We have three different Black Bruin rotators developed for medium- and large-sized harvesters. The design is based on the radial piston motor, making them highly efficient and precise to use.

PART NUMBER	DESCRIPTION	ROTATOR MODEL	LINK (LENGTH MM)	LINK WIDTH	UPPER PIN	LOWER PIN	BRAKE KIT	UPPER PIN AND BRAKE KIT
F698563	Rotator	BBR 16H	F698416 (240 mm)	100 mm	F066042	F073977	F066045	F071082
F073985	Rotator	BBR 15H	F698360 (240 mm), F698398 (310 mm)	100 mm	F066042	F066041	F066045	F071082
F073780	Rotator + link + dual swing damper	BBR 08H	F075510 (240 mm)	100 mm	F066042	F075511	F066045	F071082
F074553	Rotator + link + single swing damper	BBR 08H	F075521 (240 mm)	100 mm		F075511	F066045	
F074700	Rotator + link + dual swing damper	BBR 08H	F075518 (240 mm)	80 mm	F075519	F075511	F066045	F075520
F074701	Rotator + link + single swing damper	BBR 08H	F075522 (240 mm)	80 mm		F075511	F066045	





UNDENIABLE PERFORMANCE, MEET UNMATCHED SUPPORT.

Delivering durability and maximized uptime.
Welcome to Waratah – where machines are Built To Work™
to begin with, and next-level support is always available
to help keep you running at full speed.

 **waratah**
BUILT TO WORK

[Waratah.com](https://www.waratah.com)

GRAPPLES

Together we can provide you with the correct grapple for your forwarder and terrain. Please consult your local dealer for the best configuration for your specific machine and logging application.



WARATAH GRAPPLES

The selection of Waratah SG II Grapples includes all the models and sizes needed for your specific machine and area of logging. The Waratah SG II grapple shares the features of the John Deere SG but because of different production process the frame has less welding making it somewhat stronger. Common features are double reinforcement and a strong cylinder. Bearings are large and optimized for each size. Strong cushioned cylinders, designed for up to 25-MPa working pressure, reduce shock loads.

FORWARDER	810E	910G	1010E-1010G	1110E-1110G	1210E-1210G	1510E-1510G	1910E-1910G
CRANE	CF1/CF5	CF1/CF5	CF5	CF5/CF7	CF7	CF7/CF7S	CF8
SGII 260	X	X	X	X			
SGII 300	X	X	X	X			
SGII 360		X	X	X	X	X	X
SGII 420					X	X	X
SGII 520							X

Waratah SG II standard grapple

The SG II std is a standard grapple for regular forwarding. Its geometry and gripping force are the same as the SuperGrip series.

PART NUMBER	GRAPPLE MODEL	WEIGHT (KG)	A (MM)	B (MM)	C (MM)	MAX LOAD (KG)
F707370	SGII 260	198	1547	460	878	3500
F707375	SGII 300	199	1526	460	915	3500
F707379	SGII 360	322	1886	548	980	5000
F707384	SGII 420	348	2075	548	1061	5000
F707387	SGII 520	376	2129	548	1162	6000



Waratah SG II S-Model grapple

The SG II-S is the strongest grapple in the SuperGrip II series. Use it for heavier forwarding or mount it on an excavator for lighter work.

PART NUMBER	GRAPPLE MODEL	WEIGHT (KG)	A (MM)	B (MM)	C (MM)	MAX LOAD (KG)
F707374	SGII 260S	209	1547	460	878	3500
F707378	SGII 300S	211	1526	460	915	3500
F707383	SGII 360S	345	1886	548	980	6000
F707386	SGII 420S	378	2075	548	1061	7000



WARATAH GRAPPLES

Waratah SG II R-Model grapple

For handling of slash and bioenergy wood.

PART NUMBER	GRAPPLE MODEL	WEIGHT (KG)	A (MM)	B (MM)	C (MM)	MAX LOAD (KG)
F707373	SGII 260R	209	1555	460	855	3000
F707377	SGII 300R	234	1537	460	886	3000
F707382	SGII 360R	362	1867	548	939	4000
F707390	SGII 420R	398	2060	548	1043	4000



Waratah SG II A-Model grapple

Unique arm geometry improves the selection and handling of individual logs. Asymmetric grapple jaw design improves the “rolling” of the logs into the grapple during the loading process. The pointy grapple tip design minimizes the picking of unwanted debris. The A-grapple works well in multiple applications from the handling of round wood to bio-mass applications.

PART NUMBER	GRAPPLE MODEL	WEIGHT (KG)	A (MM)	B (MM)	C (MM)	MAX LOAD (KG)
F707372	SGII 260A	200	1520	460	830	3500
F707376	SGII 300A	212	1485	460	876	3500
F707380	SGII 360A	343	1840	548	888	5000
F707385	SGII 420A	377	2037	548	928	5000



EXPANDER PINS

Over time, wear may cause pinholes to appear and the original pin may become too loose. For such cases, expander pins provide a fast and lasting solution. Downtime to change expander pins is much less than if welding and/or line boring is performed. In most cases, replacing the original pin with expander pin can be done in field conditions.



EXPANDER PINS

Harvester Head Expander Pins

H412

DESCRIPTION	ORIGINAL WARATAH PIN	EXPANDER PIN
Tilt pin	F641857	F690416
Feed roller arm pin	F642025	F690592
Upper knife cylinder outer pin	F641898	F690304
Lower knife pin	F642019	F690318
Lower knife cylinder outer pin	F642023	F690361

H413

DESCRIPTION	ORIGINAL WARATAH PIN	EXPANDER PIN
Tilt pin	F709750	F701044
Tilt cylinder	F682227	F701034
Feed roller arm pin	F688434	F701038
Feed roller arm outer pin	F709745	F701035
Roller arm cylinder, frame end left	F709746	F701037
Roller arm cylinder, frame end right	F709746	F701036
Upper knife cylinder outer pin	F682377	F701042
Upper knife cylinder, frame end	F709712	F701043
Lower knife pin	F682356	F701040
Lower knife cylinder, knife end left	F709720	F701039
Lower knife cylinder, knife end right	F708600	F701039
Lower knife cylinder, frame side right/left	F709712	F701041

H423

DESCRIPTION	ORIGINAL WARATAH PIN	EXPANDER PIN
Tilt pin	F720661	
Tilt cylinder	F682227	F701034
Feed roller arm pin	F688434	F701038
Feed roller arm outer pin	F709745	F701035
Roller arm cylinder, frame end left	F709746	F701037
Roller arm cylinder, frame end right	F709746	F701037
Upper knife cylinder outer pin	F704666	F701042
Upper knife cylinder, frame end	F709712	F701043
Lower knife pin	F682356	F701040
Lower knife cylinder, knife end left	F709720	F701039
Lower knife cylinder, knife end right	F708600	F701039
Lower knife cylinder, frame side right/left	F709712	F701041

H414

DESCRIPTION	ORIGINAL WARATAH PIN	EXPANDER PIN
Tilt pin	F703273	F691100
Feed roller arm pin	F647922	F691153
Upper knife cylinder outer pin	F703259	F690438
Lower knife pin	F703748	F690429
Lower knife cylinder	F703259	F691196

H424

DESCRIPTION	ORIGINAL WARATAH PIN	EXPANDER PIN
Tilt pin	F703273	F691100
Feed roller arm pin	F716328	
Upper knife cylinder outer pin	F703259	F690438
Lower knife pin	F703748	F690429
Lower knife cylinder	F703259	F691196

H415

DESCRIPTION	ORIGINAL WARATAH PIN	EXPANDER PIN
Tilt pin	F059446	F701026
Feed roller arm pin	F676393	F701031
Roller arm cylinder, outer end	F703266	F701030
Roller arm cylinder, frame end	F703270	F701029
Upper knife cylinder, knife end	F703259	F701028
Upper knife cylinder, frame end	F703262	F701027
Lower knife	F698139	F701033
Lower knife cylinder, knife end left	F703259	F701032
Lower knife cylinder, knife end right	F703259	F701028
Lower knife cylinder, frame end	F703259	F701027

H425

DESCRIPTION	ORIGINAL WARATAH PIN	EXPANDER PIN
Tilt pin	F703273	F701026
Feed roller arm pin	F676393	F701031
Roller arm cylinder, outer end	F703266	F701030
Roller arm cylinder, frame end	F703270	F701029
Upper knife cylinder, knife end	F703259	F701028
Upper knife cylinder, frame end	F703262	F701027
Lower knife	F698139	F701033
Lower knife cylinder, knife end left	F703259	F701032
Lower knife cylinder, knife end right	F703259	F701028
Lower knife cylinder, frame end	F703259	F701027

H480C

DESCRIPTION	ORIGINAL WARATAH PIN	EXPANDER PIN
Tilt pin	F703273	F690262
Feed roller arm pin	F633503	F690434
Feed roller arm outer pin	F708623	F690446
Upper knife cylinder outer pin	F708579	F690236
Lower knife pin	F660879	F690431
Lower knife cylinder outer pin	F708664	F690486

H270

DESCRIPTION	ORIGINAL WARATAH PIN	EXPANDER PIN
Feed roller arm pin	F664073	F690136
Feed roller arm cylinder	F638885	F690123
Upper knife pin	F664073	F690332
Upper knife cylinder outer pin	F703259	F689987
Lower knife cylinder	F703259	F689987

H290 / H219

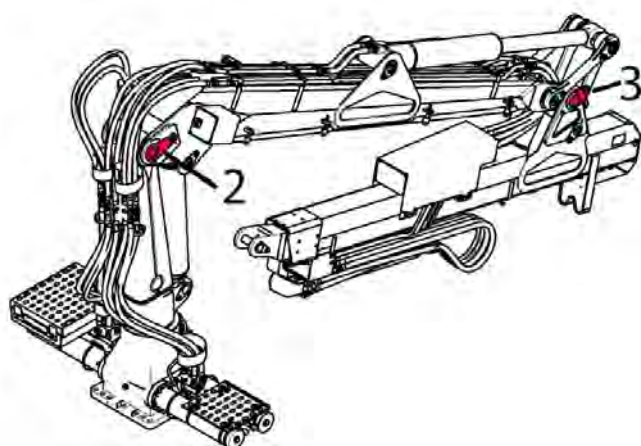
DESCRIPTION	ORIGINAL WARATAH PIN	EXPANDER PIN
Feed roller arm pin	F638034	F690360
Feed roller arm cylinder pin	F709744	F690341
Upper knife pin	F624394	F691249
Upper knife cylinder outer pin	F708781	F691221
Lower knife cylinder outer pin	F708781	F691221

EXPANDER PINS

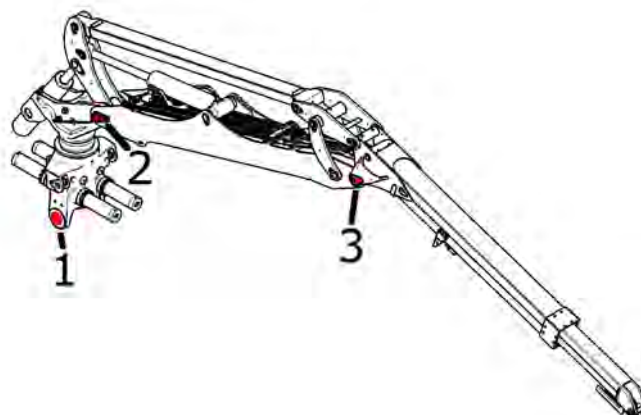
Boom Expander Pins

Forwarder Booms

MODEL	POSITION	DESCRIPTION	ORIGINAL WARATAH PIN	EXPANDER PIN	ADDITIONAL INFO
CF1	2	King post/main boom	F629293	F076471	810D, 810E
	3	Main boom/jib boom	F628882	F076472	810D, 810E
CF5	2	King post/main boom	F620572	F076473	1010D, 1010E, 1110D, 1110E
	3	Main boom/jib boom	F624100	F076474	1010D, 1010E, 1110D, 1110E
CF7	2	Main boom/jib boom	F624100	F076474	1210E, 1210G, 1410D, 1510E, 1510G
	3	King post/main boom	F624008	F076475	1210E, 1210G, 1410D, 1510E, 1510G
CF8	2	King post/main boom	F620245	F076476	1710D, 1910E, 1910G
	3	Main boom/jib boom	F619763	F076477	1710D, 1910E, 1910G



Forwarder Booms



Harvester Booms

Harvester Booms

MODEL	POSITION	DESCRIPTION	ORIGINAL WARATAH PIN	EXPANDER PIN	ADDITIONAL INFO
CH6	1	Frame/base	F657543	F076479	1170E
	1	Frame/base	F699852	F715328	1170G
	2	King post/main boom	F659465	F076478	1170E
	3	Main boom/jib boom	F657968	F076480	1170E
CH7	1	Frame/base	F657676	F076482	1270E
	1	Frame/base	F674827	F715329	1270G
	2	King post/main boom	F658820	F076481	1270E, 1270G
	3	Main boom/jib boom	F657968	F076480	1270E, 1270G
CH8	1	Frame/base	F657677	F076483	1470D, 1470E
	2	King post/main boom	F658234	F076484	1470D, 1470E
	3	Main boom/jib boom	F657968	F076480	1470D, 1470E
CH9	1	Frame/base	F679537	F715330	1470G
TJ140	1	Frame/base	F631596	F063454	770D
	2	King post/main boom	F621356	F076485	770D
	3	Main boom/jib boom	F621350	F076487	770D
TJ180S	1	Frame/base	F657543	F076479	1070D, 1070E
	1	Frame/base	F699850	F715328	1070G
	2	King post/main boom	F621356	F076485	1070D, 1070E
	3	Main boom/jib boom	F621350	F076486	1070D, 1070E
TJ210H	1	Frame/base	F631595	F067601	1270D
	2	King post/main boom	F040397	F616853	1270D
	3	Main boom/jib boom	F018879	F616732	1270D

HARVESTER HEAD TOOLS

Proper maintenance and services keep your investment up and running. To ease maintenance and service we have designed some special service tools for the maintenance of the harvester head. Contact your local Waratah dealer for more information.



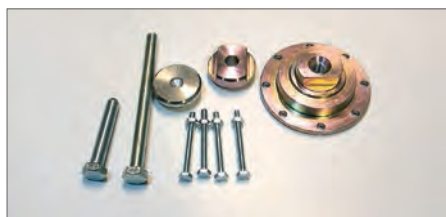
F681744 Blade gauge
Blade gauge to measure cutting edge angle and back bevel shape. For models: All



F681745 Adapter
Adapter for sleeve and pull-out tool. For models: H212, H424, H413, H423, H415, H425



F070194 Hawe RK3 G1/2
Used for check valve F018813. Main valves: Classic, H290



F682925 Length measuring wheel puller
To pull-out and pull in length measuring wheel hub with bearings. For models: H413, H423, H415, H425



F046592 Hawe RK1 G1/4
Used for check valve F008631. Main valves: Classic, EVOII, EVOIII, Pevo



F070195 Puller
Used for pulling out different kind of cartridges. Main valves: Classic, EVOII, EVOIII, Pevo



F680719 Saw motor installer tool
For models: All SuperCut 100 and SuperCut 100S saw units



F062897 Hawe RK2 G3/8
Used for check valve F008653. Main valves: Classic, EVOII, EVOIII, Pevo



F685123 Special tool for Pevo valve
Correct installation ensures sleeve seals' lifetime. For models: H212, H424, H413, H423, H415, H425

FIELD KITS

Waratah offers a broad range of machine-upgrade and -uptime kits to elevate the performance of your machine to a new level. The field-kit portfolio includes cost-effective, easy-to-order solutions for a variety of repairs and large-scale refurbishments. Upgrades can easily deliver totally new functionalities to your machine whenever logging conditions change.

Waratah Uptime Kit

The uptime kit contains the most often required critical parts to keep the machine up and running. The content has been designed on the basis of customer feedback and our long-term experience.

A total of about 270 parts for approx. 80 spare part numbers. The content is harvester head-specific and may be updated.

KIT NUMBER	KIT DESCRIPTION	NOTE
F731546	Uptime kit_H424_WA_BEI-256	H424 WA, BEI-256, SC100S
F731550	Uptime kit_H424_JD_BEI-256	H424 JD, BEI-256, SC100S
F731224	Uptime kit_H424_WA_SC100S	H424 WA, BEI-128, SC100S
F731225	Uptime kit_H424_JD_SC100S	H424 JD, BEI-128, SC100S
F731553	Uptime kit_H425_WA_SC100S BEI-256	H425 WA, BEI-256, SC100S
F731551	Uptime kit_H425_JD_SC100S BEI-256	H425 JD, BEI-256, SC100S
F731234	Uptime kit_H415_WA_SC100	H415 WA, SC100
F731233	Uptime kit_H415_JD_SC100	H415 JD, SC100
F731229	Uptime kit_H480C_WA_SC100	H480C WA, SC100
F731228	Uptime kit_H480C_JD_SC100	H480C JD, SC100
F720450	Uptime kit_H480C_WA_SC100S	H480C WA, SC100S
F731226	Uptime kit_H480C_JD_SC100S	H480C JD, SC100S
F731231	Uptime kit_H415_H425_WA_SC100S	H415, H425, WA, SC100S
F731230	Uptime kit_H415_H425_JD_SC100S	H415, H425, JD SC100S

- Sensor wiring harness
- Bearings with installation accessories
- Terminals for L22 unit, terminal removal tools
- Grease for sensor housing, special grease for electrical connectors
- Length, diameter, saw sensor with installation accessories
- Spare cables with AMP Junior and Hirschman ends
- Selection of fittings located outside of the valve main cover
- Sealing washers for kit fittings
- Hydraulic cylinders Seal kits
- Spherical bearings with snap rings
- Saw device Seals for chain tensioning unit, critical bolts and magnet wheel for sensor
- Chain catcher and drive sprocket
- Critical pressure reducers, proportional valves and installation accessories
- Locking plates for pins with needed bolts, valve cover locking bolts
- Assortment of lubrication fittings
- Knife blade gauge, etc



Waratah Hose Kit

KIT NUMBER	KIT DESCRIPTION	NOTE
BEG10015	Hose kit	H212
BEG10016	Hose kit	H219
BEG10025	Hose kit	H423
BEG10022	Hose kit	H424
BEG10026	Hose kit	H425



FIELD KITS

Multi-Tree-Handling (MTH) Kit

With an MTH-upgrade kit, your harvester head can be easily equipped with MTH functionality. Parts for hydraulic valve to be ordered separately.

PART NUMBER	DESCRIPTION	MODEL
BEG10037	MTH kit	H212
F690559	Universal MTH kit for older heads	H414, H480C, H754, H412
F690571	MTH kit, all needed parts included	H270
F690567	MTH kit, BBR rotator, needed with Universal kit	H412
F690568	MTH kit, Indexator rotator, needed with Universal kit	H412
F690569	MTH kit, all needed parts included H413/H423	H413, H423
F690561	MTH kit, needed with Universal kit	H414
F690562	MTH wiring harness kit, needed if harvester head has old cabling and cover	H414
F690570	MTH kit, all needed parts included H415/H425	H415
F690563	MTH kit, needed with Universal kit	H480C
BEG10035	MTH kit	H424
BEG10027	MTH kit	H425
F690564	MTH wiring harness kit, needed if harvester head has old cabling and cover	H480C
F690560	MTH to HHC kit, needed if head doesn't have two harvester head controller (2xHHC)	H480C, H414, H754
F690565	MTH kit, needed with Universal kit	H754
F690566	MTH wiring harness kit, needed if harvester head has old cabling and cover	H754

Color-Marking Kit

With a color-marking upgrade kit, you can add color-marking functionality to your harvester head.

PART NUMBER	DESCRIPTION	MODEL
BEG10007	Color-marking kit, JD	H212
BEG10008	Color-marking kit, Waratah	H212
F692470	Color-marking Supermark	H412
F692469	Color-marking Supermark	H414
F692468	Color-marking from knife	H414
F714128	Color-marking from knife	H415
F714127	Color-marking Supermark	H415
F692464	Color-marking Supermark	H480C
F692465	Color-marking Supermark, vertical saw unit	H480C
F692462	Color-marking from knife	H480C
F692466	Color-marking Supermark	H270
F692467	Color-marking Supermark	H290
BEG10028	Color-marking kit, Knife, JD	H423
BEG10029	Color-marking kit, Supermark, Waratah	H423
BEG10030	Color-marking kit, Supermark, JD	H423
BEG10032	Color-marking kit, Supermark, Waratah	H423
BEG10010	Color-marking kit, Knife, JD	H424
BEG10012	Color-marking kit, knife, Waratah	H424
BEG10011	Color-marking kit, Supermark, JD	H424
BEG10009	Color-marking kit, Supermark, Waratah	H424
BEG10018	Color-marking kit, knife, Waratah	H425
BEG10019	Color-marking kit, knife, JD	H425
BEG10023	Color-marking unit, SUPERMARK, JD	H425
BEG10024	Color-marking unit, Supermark, Waratah	H425

Grease Lubrication System Kit

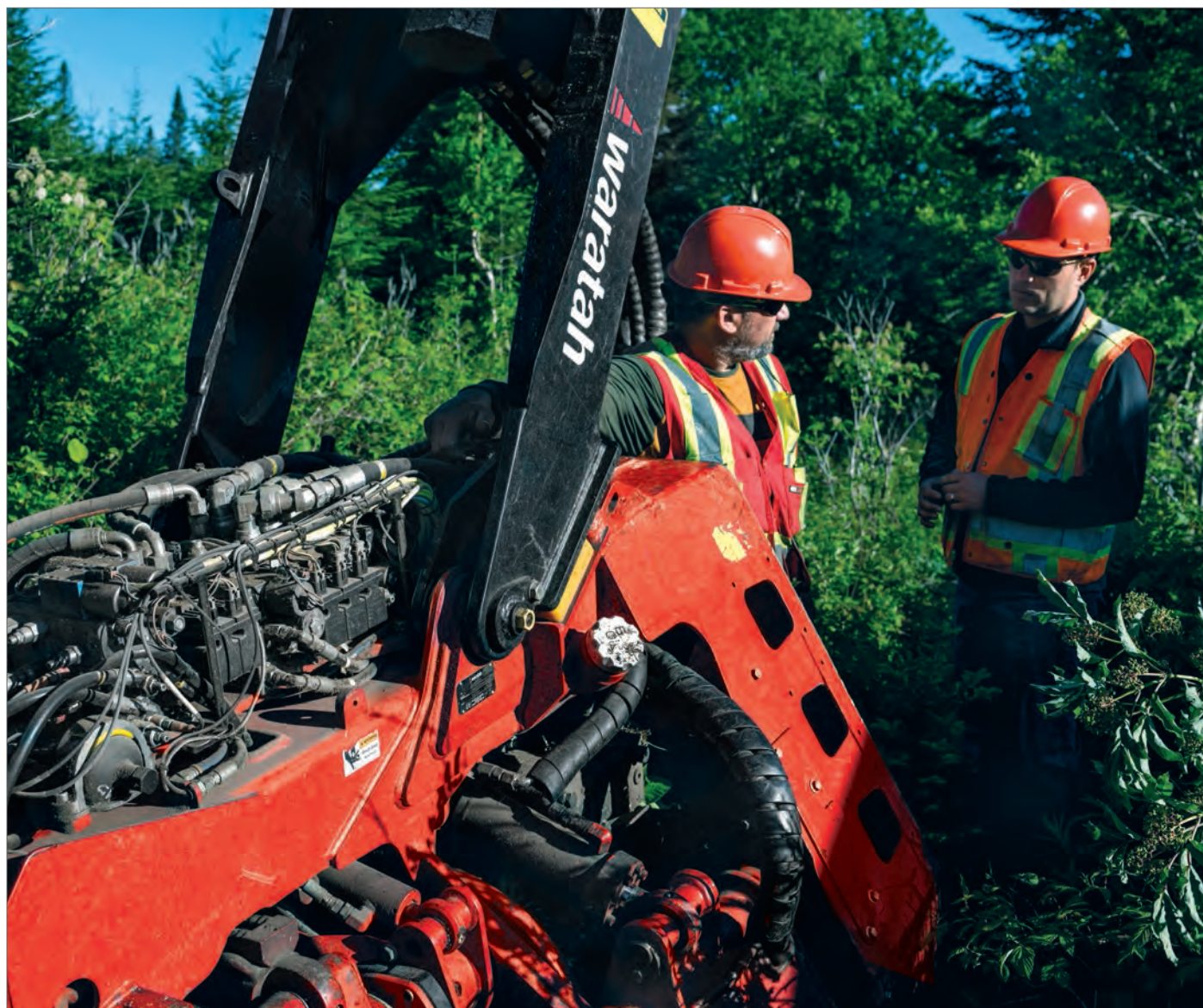
PART NUMBER	DESCRIPTION	MODEL
BEG10005	Grease lubrication system, JD	H212
BEG10006	Grease lubrication system, Waratah	H212
BEG10033	Grease lubrication system, JD	H423
BEG10034	Grease lubrication system, Waratah	H423
BEG10013	Grease lubrication kit, JD	H424
BEG10014	Grease lubrication kit, Waratah	H424
BEG10021	Grease lubrication kit	H425

FIELD KITS

Length-Measuring Kit for Harvester Head

Length-measuring kit includes all parts needed to replace your harvester head length-measuring device.

PART NUMBER	ADDITIONAL INFO	MODEL
F699761	Length-measuring kit Does not include the measuring wheel	H414
F707698	Length-measuring kit Does not include the measuring wheel	H412
F730400	Length-measuring kit Does not include the measuring wheel	H423/H424
F730401	Length-measuring kit (long reach) Does not include the measuring wheel	H425
F066182	Length-measuring kit	H480C
F067150	Length-measuring kit	HTH460
F065036	Length-measuring kit	HTH450





BUILT TO WORK, RUNNING AT FULL SPEED.

H219x

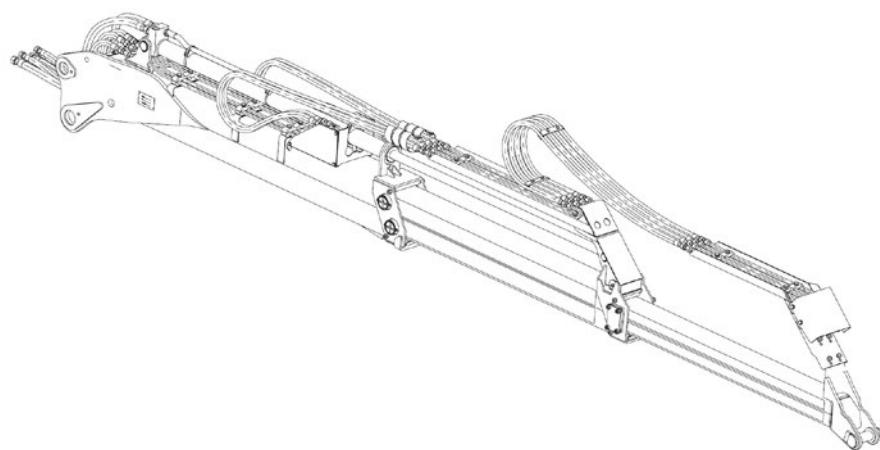
Delivering durability and maximized uptime.
Welcome to Waratah – where machines are Built To Work™ to begin with, and next-level support is always available to help keep you running at full speed.

 **waratah**
BUILT TO WORK

Waratah.com

EXTENSION KITS

When your extension needs to be repaired, we offer ready-made jib-boom packages as a fast and cost saving option. The crane module includes all parts and hosing already assembled.

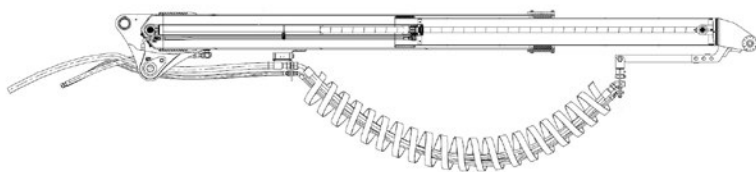


Forwarders

BOOM MODEL	PART NUMBER BLACK	PART NUMBER GRAY	DESCRIPTION
CF1	F626960		Extension boom module CF172
	F627405		Extension boom module CF187
	F627406		Extension boom module CF198
		F697017	Extension boom module CF196
CF5	F619085	F699547	Extension boom module CF572, CF772
	F627106	F699565	Extension boom module CF585, CF785
	F677168	F699587	IBC extension module CF585, CF785
	F627116	F699137	Extension boom module CF710
	F676833	F701315	IBC extension module CF510, CF710
	F709835	F709837	Extension boom module CF511
	F709830	F709840	IBC extension module CF511
		F715928	Extension boom CF5-XI9.8
CF7		F714816	Extension boom CF5-XI9.8-IBC
	F619085	F699547	Extension boom module CF572, CF772
	F627106	F699565	Extension boom module CF585, CF785
	F677168	F699587	IBC extension module CF585, CF785
	F627116	F699137	Extension boom module CF710
	F676833	F701315	IBC extension module CF510, CF710
	F692959	F701638	Extension boom module CF711S
	F695938	F701669	IBC extension module CF711S
		F715926	Jib boom package, CF7-XI9.8
		F715921	Extension boom CF7-XI9.8-IBC
CF7S	F645436	F701682	Extension boom module CF772S
	F643448	F701718	Extension boom module CF785S
	F679742	F701692	IBC extension module CF785S
	F643240	F701684	Extension boom module CH710S
	F679712	F701641	IBC extension module CF7S, CF710S
	F692959	F701638	Extension boom module CF711S
	F695938	F701669	IBC extension module CF711S
		F715926	Jib boom package, CF7-XI9.8
		F715921	Jib boom package, CF7-XI9.8-IBC
		F719446	Jib boom package, CF7 S-XI9.8 P+
CF8		F719347	Jib boom package, CF7 S-XI9.8-IBC P+
	F639174	F716394	Extension boom module CF873
	F628675	F716405	Extension boom module CF885
	F682465	F716417	IBC extension module CF885



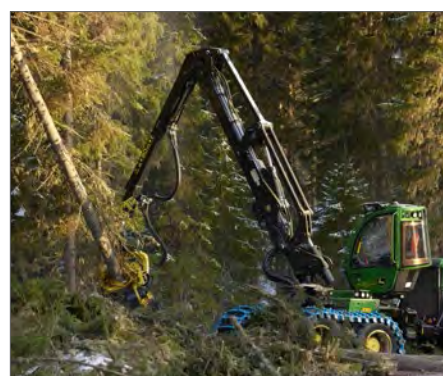
EXTENSION KITS



Harvesters

BOOM MODEL	PART NUMBER BLACK	PART NUMBER GRAY	DESCRIPTION
CH6	F661284	F697242	Extension boom module CH610 standard (STD)
	F661285	F697259	Extension boom module CF610 doublebreak (DB)
	F661286	F698439	Extension boom module CH6113 STD
	F661287	F697261	Extension boom module CH6113 DB
		F697242	IBC extension module CH610 STD
		F697259	IBC extension module CH610 DB
		F697260	IBC extension module CH6113 STD
		F697261	IBC extension module CH6113 DB
CH7	F660504	F706050	Extension boom module CH786 STD
	F660506	F706061	Extension boom module CH786 DB
	F660509	F706041	Extension boom module CH710 STD
	F660511	F706069	Extension boom module CH710 DB
	F660512	F706057	Extension boom module CH711 STD
	F660514	F706062	Extension boom module CH711 DB
	F690225	F706055	IBC extension module CH710 STD
	F696083	F706066	IBC extension module CH710 DB
	F690256	F706044	IBC extension module CH711 STD
	F696093	F706053	IBC extension module CH711 DB
CH8	F644693		Extension boom module CH8 8.3 M
	F644694		Extension boom module CH8 8.3 M DB
	F644695		Extension boom module CH8 10 M
	F644696		Extension boom module CH8 10 M DB
	F644697		Extension boom module CH8 11 M
	F644698		Extension boom module CH8 11 M DB
CH9	F673406	F708050	Extension boom module CH986 STD
	F673739	F708071	Extension boom module CH986 DB
	F663841	F708053	Extension boom module CH910 STD
	F672316	F708058	Extension boom module CH910 DB
	F673880	F708087	Extension boom module CH911 STD
	F673891	F707174	Extension boom module CH911 DB
		F702564	IBC extension module CH910 STD
		F703006	IBC extension module CH910 DB
		F702992	IBC extension module CH911 STD
TJ180S		F703035	IBC extension module CH911 DB
	F661183	F698774	Extension boom module TJ180S 8.6 M STD
	F661184	F698797	Extension boom module TJ180S 8.6 M DB
	F661185	F698818	Extension boom module TJ180S 10 M STD
	F661186	F698827	Extension boom module TJ180S 10 M DB
	F661187	F698844	Extension boom module TJ180S 11 M STD
	F661188	F698867	Extension boom module TJ180S 11 M DB

Please note: Harvester jib-boom kits do not include rotator hoses.



CRANE-TOWER ASSEMBLY

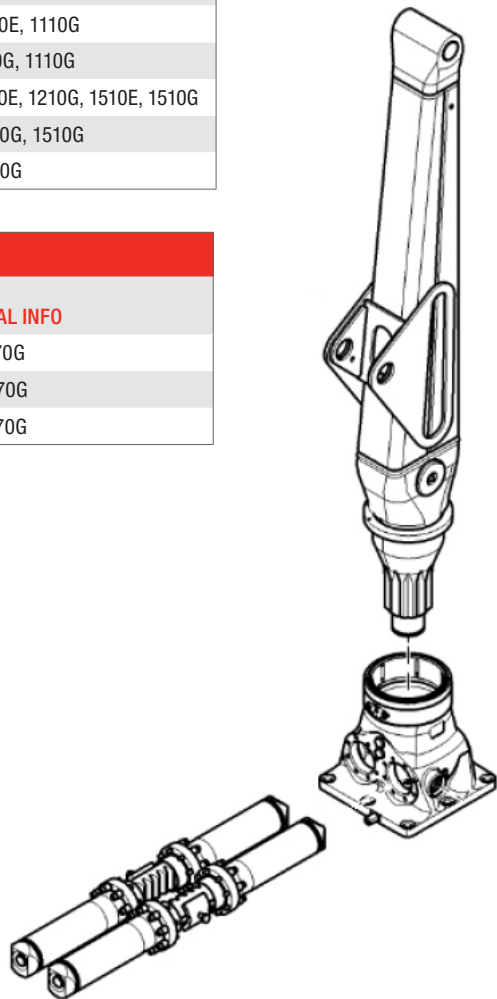
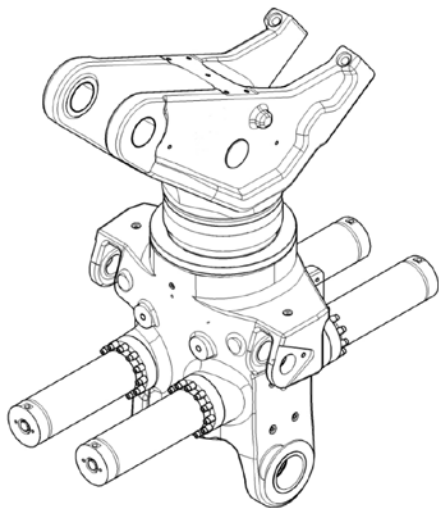


CRANE-TOWER ASSEMBLY

For your machine-refurbishment needs, we offer complete boom-tower modules for forwarders and harvesters. Modules include the king post, rotating platform, boom base, and sensor as a ready-made kit. With the boom-tower kit, you can renew the whole boom base in a cost-effective way.

Forwarders				
BOOM MODEL	PART NUMBER BLACK	PART NUMBER GRAY	DESCRIPTION	ADDITIONAL INFO
CF1	F654298		Crane-tower kit	810E
CF1		F697130	Crane-tower kit	910G
CF5	F651253		Crane-tower kit	1010E, 1110E, 1110G
CF5		F699301	Crane-tower kit	910G, 1010G, 1110G
CF7/CF7S	F648842		Crane-tower kit	1110G, 1210E, 1210G, 1510E, 1510G
CF7/CF7S		F701635	Crane-tower kit	1110G, 1210G, 1510G
CF8	F654007	F715750	Crane-tower kit	1910E, 1910G

Harvesters				
BOOM MODEL	PART NUMBER BLACK	PART NUMBER GRAY	DESCRIPTION	ADDITIONAL INFO
CH6	F657929	F698313	Crane-tower kit	1170E, 1170G
CH7	F677892	F706112	Crane-tower kit	1270E, 1270G
CH9	F663879	F707200	Crane-tower kit	1470E, 1470G



CALIPERS

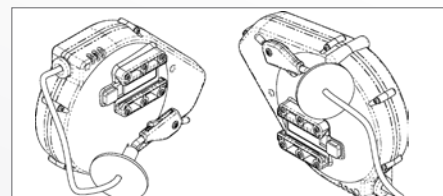
With our selection of calipers, you get the best available option for your measurements and calibration needs whether those are basic adjustments for harvester calibration or more advanced and demanding requirements. All are fully integrated into Waratah software.

DP II Computer Calipers from Haglöf Sweden

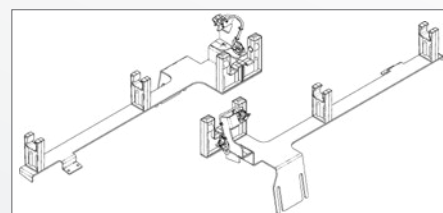
The DP II is an easy-to-use, versatile, and super-efficient diameter instrument system, adapted for timber cruising, log scaling, and standing-tree inventory. Many attractive features make the DP II an optimized and complete solution for modern measurement work in forests and industries. The DP II is field-ready, fully adapted, and rugged, with a well-balanced and durable construction.

With the DP II you get great field-computing features. The detachable computer terminal can be used as a stand-alone handheld computer.

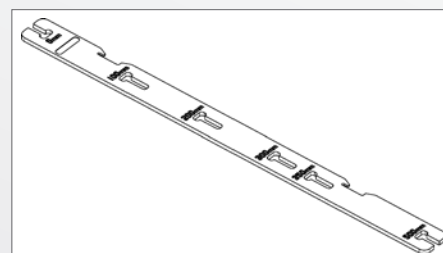
The DP II offers a multi-language operating system, a non-contact SmartScale measuring system, and long-lasting rechargeable batteries. Each DP II model comes in a complete kit with all the items you need for optimal handling and installation in the cabin.



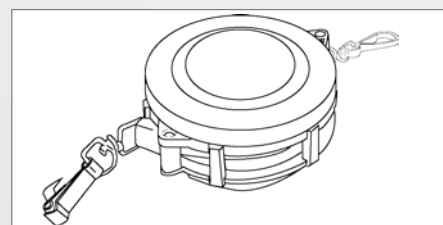
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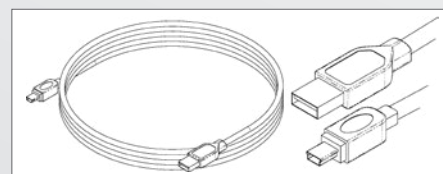
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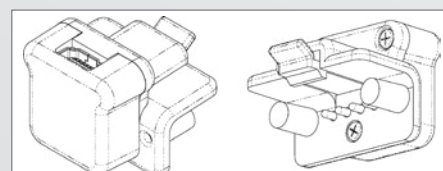
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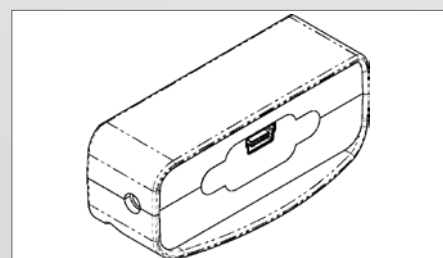
F110559



F110557



F110533



F110560

DP II Computer Caliper kits

PART NUMBER	DESCRIPTION	ADDITIONAL INFORMATION
F694156	Caliper DP II 500 mm Kit	All DP II kits include the selected caliper and following items: aluminium case, USB mini adapter, caliper bracket, Digitech tape, logger's tape, USB cable, mounting plate, Skalman 6 and 7 software license, USB memory stick, HQC handler, PC software, WinDP and calibration gauge.
F694157	Caliper DP II 600 mm Kit	
F701021	Caliper DP II 800 mm Kit	

Spare parts

PART NUMBER	DESCRIPTION	ADDITIONAL INFORMATION
F710565	DP II caliper 500 mm	All sets of spare part DP II entail the selected scale length with the additional accessories: • USB-stick with manual and software • Software license for Skalman 6 & 7 • HQC handler • Aluminum case
F710567	DP II caliper 600 mm	
F710566	DP II caliper 800 mm	
F710534	Digitech Tape	Electronic length measuring tape, 7 meter.
F710532	Caliper Bracket JD Ver 2, DP II	Caliper Bracket JD Ver 2 DP II for communication and charging.
F710558	Calibration template	Calibration template for DP II, 0-500 mm.
F710559	Measuring tape	Manual length measuring tape, 15meter with Haglöf Precision Hook.
F710557	USB cable A-mini	USB cable A-mini 3 meters when working with KTR-files.
F710533	USB mini adapter DP II	USB mini adapter for communication and charging when working with KTR-files.
F710560	USB adapter Digitech Pro	USB adapter for Digitech Pro V 1.3.2.

CALIPERS

Scaler III

Scaler III is specifically developed for harvester calibration. It features a integrated docking connector for reliable data transfer and charging. All of our Scaler III kits include scaler, docking station, and measuring tape.

Scaler III kit		
PART NUMBER	DESCRIPTION	ADDITIONAL INFORMATION
F076692	Scaler III	500 mm
F672715	Scaler III	650 mm
F076694	Scaler III	800 mm

Spare parts		
PART NUMBER	DESCRIPTION	ADDITIONAL INFORMATION
F070000	Arm	500 mm, right
F070001	Arm	500 mm, left
F076684	Scale	500 mm
F672716	Arm	650 mm, right
F672717	Arm	650 mm, left
F672718	Scale	650 mm
F076682	Arm	800 mm, right
F076683	Arm	800 mm, left
F076685	Scale	800 mm
F076686	Battery kit	Only for Scaler III
F076689	Measuring tape	Including holder for tape
F076688	Holder	For measuring tape
F696036	Caliper bracket	Gen I and II cabins
F076690	Docking station	Only for Scaler III
F070003	Push button	
F070004	Rocker switch	



waratah

Seat Covers



Make your seat more comfortable

Our collection of exclusive Waratah approved and branded seat covers will give a sense of Built To Work!

From our selection you can find the tailor-made premium versions of seat covers.

Our models are available for Be-Ge 3100, 7100, Grammer and car seats.



F725513
Premium Leather
Seat Cover
Be-Ge 3100 Comfort



F725479
Seat Cover
Be-Ge 3100 Comfort

Part numbers

- F725472 Seat Cover, Be-Ge, 7100 Basic
- F725479 Seat Cover, Be-Ge, 3100 Comfort
- F725507 Seat Cover, Basic Model (Car Seats)
- F725508 Seat Cover, Bench Model (Vans and Pick-Ups)
- F725510 Seat Cover, Grammer
- F725513 Premium Leather Seat Cover, Be-Ge 3100 Comfort
- F725514 Premium Leather Seat Cover, Be-Ge 7100 Basic

SUPPORT YOU MAY NEVER NEED...



But is always there for you.

Whether it's through the WaratahPlus app, a phone call or boots on the ground, Waratah is dedicated to maximizing your uptime through top-notch service, making maintenance a breeze. Simply put, it's support that's Built To Work™ so you can get back to it.



Waratah.com



FORESTRY EQUIPMENT

www.waratah.net

MORE
ABOUT OUR
HARVESTER
HEADS:



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Waratah 2023