



Mulching Heads

IMH Series



A TOOL FOR EVERY JOB



Application areas

		IMH	SG	
 <p>Land Clearing</p>	Land clearing	• Right of way clearance and maintenance	<input type="radio"/>	
		• Power transmission/distribution line and substation clearance	<input type="radio"/>	
		• Railway maintenance	<input type="radio"/>	
		• Residential and farm clearing	<input type="radio"/>	
		• Highway maintenance	<input type="radio"/>	
		• Pipeline clearance	<input type="radio"/>	
		• Ski resorts and other speciality field maintenance	<input type="radio"/>	
		• Roadside maintenance	<input type="radio"/>	
 <p>Agriculture and Forestry</p>	Gardening & landscaping	• Fencing		
		• Ground excavation		
		• Rock breaking		
		• Pit planting		
		• Stump splitting		
		• Golf course maintenance	<input type="radio"/>	
		• Root and stump grinding		<input type="radio"/>
		• Hedgerow clearance and rejuvenation	<input type="radio"/>	
• Grinding of logging residues	<input type="radio"/>			
Forestry	• Timber log handling			
	• Maintenance of green area, small trees and brush	<input type="radio"/>		
	• Creation and upkeep of woodland corridors and firebreaks	<input type="radio"/>		
	• Tree clearing	<input type="radio"/>		
	• Vegetation clearing	<input type="radio"/>		
	• Branch clearing	<input type="radio"/>		

IMH

Mulching Heads

The result of Indeco technological research, the IMH mulchers are studied down to the last detail to guarantee the maximum in terms of strength, efficiency and productivity.

The multiple V-belt drive **|1|** guarantees maximum reliability, power and ease of maintenance. Direct drive models are also available.

The hydraulic motor **|2|** can have fixed or variable displacement depending on the models. The high performance FD fixed displacement motor (gear on some models, piston on others) has special high pressure resistant seals and is capable of accepting back pressures. The VD variable displacement piston motor, only currently in use on some versions, adapts more to the various hydraulic specifications of the machines, minimises overheating by improving pick-up, optimises torque and rotor speed and maximises productivity.

The particular design of the teeth and of the relative holder **|3|** is designed for maximum productivity and robustness. The body and components in HARDOX® **|4|** ensure maximum sturdiness and long service life, even when used in particularly heavy-duty applications.

The Heavy Duty rotor **|5|** ensures prolonged efficiency over time, in any type of application.

The runners in HARDOX® **|6|** offer effective protection for those parts subject to wear.

Direct access to the monobloc shaft **|7|** helps to keep the mulching head perfectly efficient, facilitating maintenance operations on the bearings and components of the shaft itself.

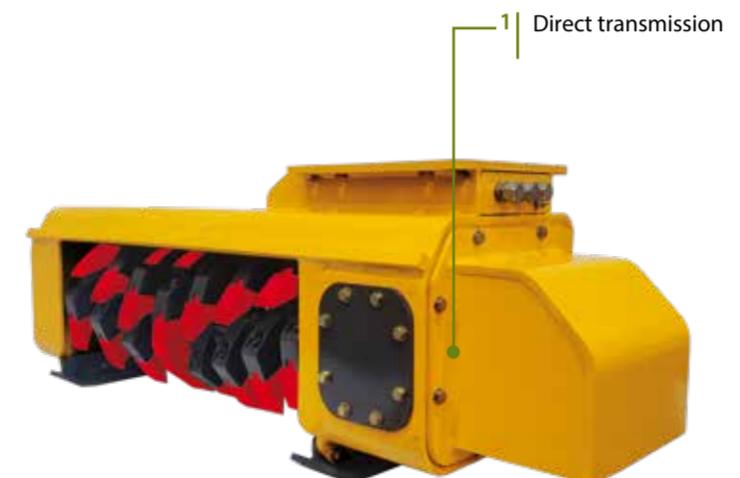
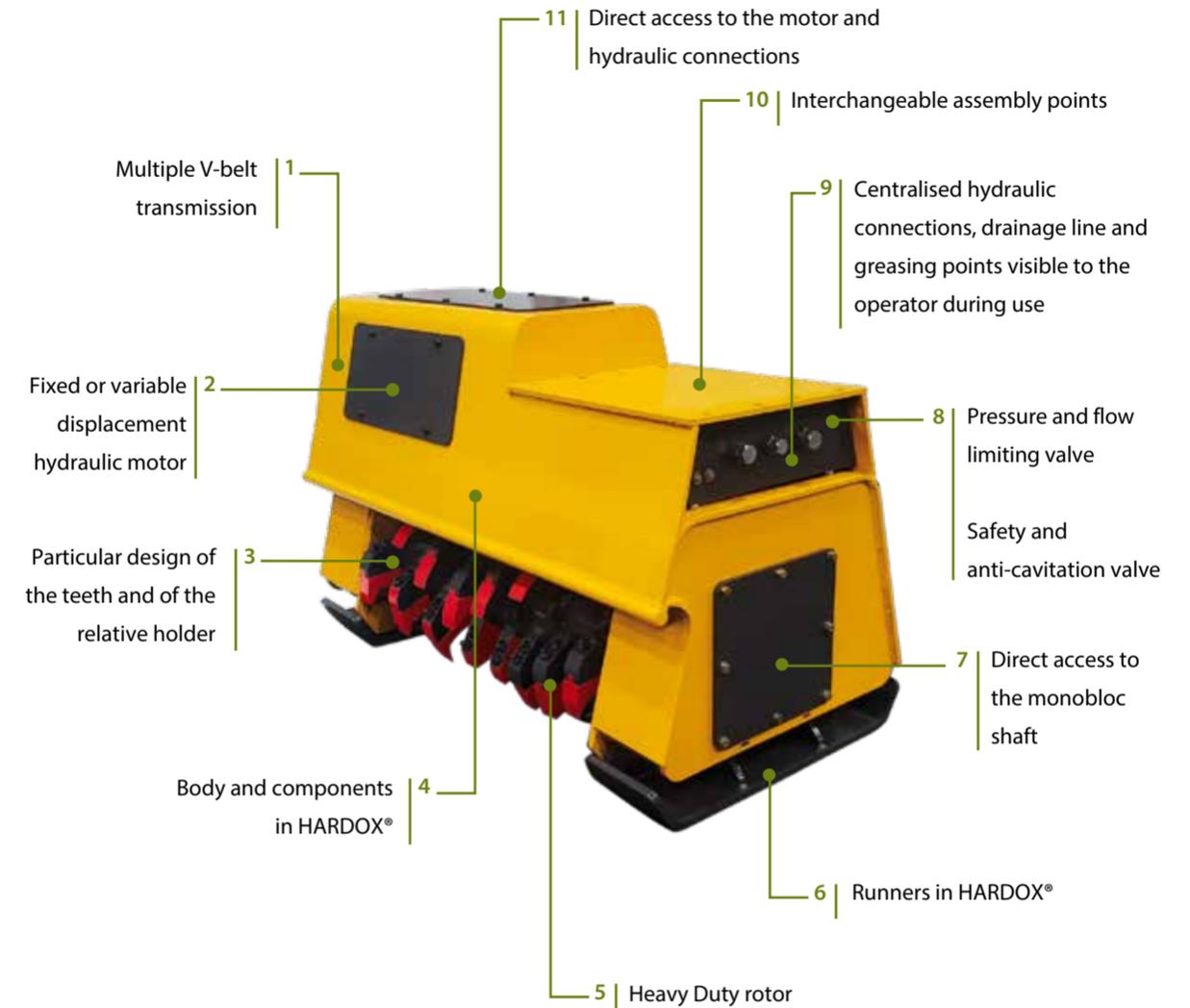
The pressure and flow limiting valve **|8|** allows safe and fast installation, preventing incorrect set-ups from compromising productivity and the life of the mulching head. The safety and anti-cavitation valve protects the motor from possible incorrect connection of the pipes and therefore from unexpected flow reversals, extending the life of the seals.

The centralised hydraulic connections, the drainage

line and the greasing points **|9|** are visible to the operator during use thereby allowing constant checking of correct functioning of the tool.

The interchangeable assembly points **|10|** allow maximum flexibility of use with any excavator.

Direct access to the motor and hydraulic connections **|11|** facilitates maintenance interventions.



IMH for compact excavators



Technical Data	IMH 5	IMH 6	IMH 8
Type of carrier	1 3 4	1 3 4	1 3 4
Cutting width	765 mm	765 mm	765 mm
GPM range	45 ÷ 70 l/min	60 ÷ 95 l/min	65 ÷ 105 l/min
Number of teeth	14	14	14
Drum diameter	205 mm	205 mm	205 mm
Fixed FD / variable VD displacement motor specifications	Gears FD	Gears FD	Piston FD
Transmission	Direct	Direct	Direct
Working pressure	205 ÷ 280 bars	205 ÷ 280 bars	205 ÷ 280 bars
Attachment operating weight*	540 Kg	555 Kg	600 Kg
Excavator weight	5 ÷ 10 tons	6 ÷ 12 tons	8 ÷ 15 tons

*The attachment operating weight includes mounting bracket compatible with Indeco construction standards. Any differences in weight may be due to a different mounting bracket configuration.



Technical Data	IMH 10	IMH 12
Type of carrier	1 3 4	1 3 4
Cutting width	965 mm	1045 mm
GPM range	65 ÷ 105 l/min	85 ÷ 120 l/min
Number of teeth	39	39
Drum diameter	205 mm	205 mm
Fixed FD / variable VD displacement motor specifications	Piston FD	Piston FD
Transmission	Direct	Direct
Working pressure	240 ÷ 350 bars	240 ÷ 350 bars
Attachment operating weight*	736 Kg	1050 Kg
Excavator weight	10 ÷ 18 tons	12 ÷ 20 tons

N.B. All illustrations and numerical data in this catalog are purely indicative and subject to change at our discretion and without notice. We therefore reserve the right to modify them with a view to improving and continuously developing our product.

Carrier key



Compatibility

Suggested uses on machines with an overall weight (in tons):



IMH for excavators



Technical Data	IMH 15	IMH 19
Type of carrier	4 5	5
Cutting width	1020 mm	1020 mm
GPM range	90 ÷ 155 l/min	135 ÷ 190 l/min
Number of teeth	42	40
Drum diameter	305 mm	305 mm
Fixed FD / variable VD displacement motor specifications	Piston VD	Piston VD
Transmission	Belt	Belt
Working pressure	240 ÷ 350 bars	240 ÷ 350 bars
Attachment operating weight*	1500 Kg	1550 Kg
Excavator weight	15 ÷ 25 tons	19 ÷ 30 tons

*The attachment operating weight includes mounting bracket compatible with Indeco construction standards. Any differences in weight may be due to a different mounting bracket configuration.

Technical Data	IMH 28
Type of carrier	5
Cutting width	1270 mm
GPM range	185 ÷ 265 l/min
Number of teeth	48
Drum diameter	460 mm
Fixed FD / variable VD displacement motor specifications	Piston FD
Transmission	Belt
Working pressure	240 ÷ 350 bars
Attachment operating weight*	2095 Kg
Excavator weight	28 ÷ 45 tons

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Carrier key



Compatibility

Suggested uses on machines with an overall weight (in tons):



IMH for Skid Steers



Technical Data	IMH 3.5 SS
Type of carrier	2
Cutting width	1450 mm
GPM range	90 ÷ 155 l/min
Number of teeth	46
Drum diameter	205 mm
Fixed FD / variable VD displacement motor specifications	Piston VD
Transmission	Belt
Working pressure	240 ÷ 350 bars
Attachment operating weight*	1150 Kg
Excavator weight	3,5 ÷ 6 tons

*The attachment operating weight includes mounting bracket compatible with Indeco construction standards. Any differences in weight may be due to a different mounting bracket configuration.

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Carrier key



Compatibility

Suggested uses on machines with an overall weight (in tons):



IMH SG

Stump Grinders

When the going gets tough, it's time for the tough to enter the field. The IMH SG stump grinders are ideal tools to complete deforestation operations after cutting down tall trees. In fact, after the felling of a tree it may be necessary to remove the stump of plants that has remained in the ground for reasons of aesthetics or safety, in particular to counteract the phenomenon of soil erosion. With use of the stump grinder, both the costs associated with this removal and the relative price for disposal are reduced as well as feeding the deforested land with the shavings of the milled stump. Available in two different models for machines from 16 to 45 tons, they guarantee ease of use and maximum effectiveness in mulching operations.



Technical Data	IMH SG16	IMH SG20
Type of carrier	4 5	4 5
GPM range	90 ÷ 155 l/min	150 ÷ 230 l/min
Number of teeth	40	12
Fixed FD / variable VD displacement motor specifications	Piston FD	Piston FD
Transmissions	Belt	Belt
Working pressure	240 ÷ 350 bars	205 ÷ 350 bars
Attachment operating weight*	845 Kg	845 Kg
Excavator weight	16 ÷ 25 tons	20 ÷ 45 tons

*The attachment operating weight includes mounting bracket compatible with Indeco construction standards. Any differences in weight may be due to a different mounting bracket configuration.

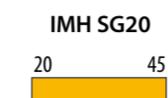
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Carrier key



Compatibility

Suggested uses on machines with an overall weight (in tons):



Appetite guide

The Indeco IMH hydraulic mulching heads allow the quick and lasting removal of unwanted vegetation of all types, including bushes, shrubs, trunks, roots and tree stumps after cutting. The data below refer to the maximum mulching diameter for each model under normal conditions. The data may vary in relation to

factors such as the hardness of the wood, the type and state of the cutters on the machine cylinder, the characteristics of the excavator and the competence of the operator. Correct maintenance is also essential for optimal performance of the mulching head.

IMH for compact excavators	IMH 5	IMH 6	IMH 8	IMH 10	IMH 12
 Maximum mulching diameter	100-150 mm	100-150 mm	100-150 mm	130-180 mm	250-300 mm

IMH for excavators	IMH 15	IMH 19	IMH 28
 Maximum mulching diameter	300-380 mm	300-380 mm	460 mm

IMH for Skid Steers	IMH 3.5 SS
 Maximum mulching diameter	200-250 mm

The cutters

Multi-purpose cutter

A heavy duty tool recommended for all types of mulching applications. It is highly productive for the mulching of shrubs, small-diameter tree trunks, bushes and branches. The operator is ensured an excellent combination of productivity and longevity of the high-performance cutter.



Cobra cutter

A forest mulching tool for extremely heavy duty use, recommended for work in more demanding applications in the case of the prevalent presence of harder long-fibre woods, stumps external to the ground and larger diameter tree trunks. The initial surface of the smaller cutter facilitates deeper penetration, while the various lateral profiles of the tool facilitate yielding of the wood fibres and contribute to preventing possible slowing in mulching thicker logs.



Cutter with Tungsten Carbide

Tool with apical insert in Tungsten Carbide for use in special applications, where there is a greater presence of buried stumps, uneven ground, sand, debris or other hard and abrasive materials that could cause the premature wear of traditional steel tools.

The Tungsten Carbide cutter is also recommended in applications where a finer mulch is required.



Applications

Land clearing

IMH Mulching Heads are the perfect tools for clearing, cleaning up and periodically maintaining areas subject to becoming overgrown by vegetation. These can include pipelines, railway lines, ski slopes, electricity pylons and highways, as well as residential and commercial green areas.

Powerful and easy to handle, they make it possible to take action quickly and efficiently, ensuring optimum results with minimum effort.

Forestry

Enjoying nature means first of all making it accessible, shaping it to our needs, making sure that it can develop properly.

IMH Mulching Heads are useful tools for jobs involving green area maintenance, undergrowth clearance, firebreak creation and upkeep, as well as tree, brush, vegetation and branch clearing.

Gardening & Landscaping

IMH Mulching Heads and SG Stump Grinders are ideal tools in special applications involving reshaping the landscape such as golf course creation and upkeep, hedgerow rejuvenation, as well as stump, root and logging residue removal.



The full range of other Indeco products

Products		Weight		Products		Weight		Products		Weight	
IFP	8 X	750	Kg	IHC	50	200	Kg	ISS***	20/30	3650	Kg
IFP	13 X	1300	Kg	IHC	70	445	Kg	ISS***	25/40	4800	Kg
IFP	19 X	1800	Kg	IHC	75	485	Kg	ISS***	30/50	6100	Kg
IFP	28 X	2800	Kg	IHC	150	970	Kg	ISS***	35/60	7600	Kg
IFP	35 X	3450	Kg	IHC	250	1280	Kg	ISS***	45/90	10400	Kg
IFP	45 X	4550	Kg	IHC R	50	425	Kg	IMH	5	540	Kg
IRP	5 X	570	Kg	IHC R	70	630	Kg	IMH	6	555	Kg
IRP	11 X	1150	Kg	IHC R	75	670	Kg	IMH	8	600	Kg
IRP	18 X	1700	Kg	IHC R	150	1185	Kg	IMH	10	736	Kg
IRP	23 X	2300	Kg	IHC R	250	1520	Kg	IMH	12	1050	Kg
IRP	29 X	2950	Kg	IMG S**	400	380	Kg	IMH	15	1500	Kg
IRP	36 X	3600	Kg	IMG S**	600	570	Kg	IMH	19	1550	Kg
IRP	45 X	4500	Kg	IMG S**	1200	1140	Kg	IMH	28	2095	Kg
IMP*	15	1500	Kg	IMG S**	1700	1610	Kg	IMH	3.5 SS	1150	Kg
IMP*	20	2080	Kg	IMG S**	2300	2180	Kg	IMH	SG16	845	Kg
IMP*	25	2400	Kg	IMG S**	2800	2650	Kg	IMH	SG20	845	Kg
IMP*	35	3500	Kg	ISS***	5/7	570	Kg				
IMP*	45	4500	Kg	ISS***	10/20	2400	Kg				

*Crusher configuration - **Sorter configuration - ***Third-member configuration

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