



## 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, of different types, their number and position on the teeth holder **[3]** have been designed to offer the best possible grinding of the material, increasing the productivity and stability of the tool. In addition, special **[4]** "bite limiter" wear-resistant steel profiles, welded on the drum in correspondence of the teeth, make it possible to make the cutting depth more efficient and the rotation speed more constant, ensuring greater continuity in work and better performance.

The body and components in HARDOX® **[5]** ensure maximum sturdiness and long service life, even when used in particularly heavy-duty applications.

The Heavy Duty rotor **[6]** ensures prolonged efficiency over time, in any type of application.

The runners in HARDOX® **[7]** offer effective protection for those parts subject to wear.

Direct access to the monobloc shaft **[8]** helps to keep the mulching head perfectly efficient, facilitating maintenance operations on the bearings and components of the shaft itself.

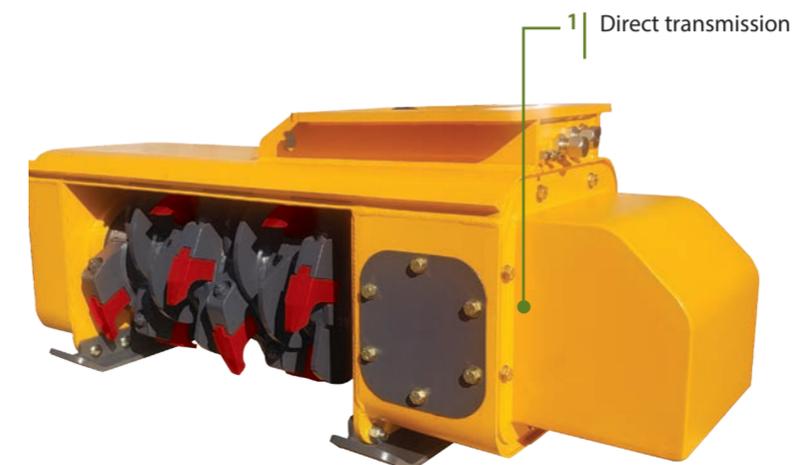
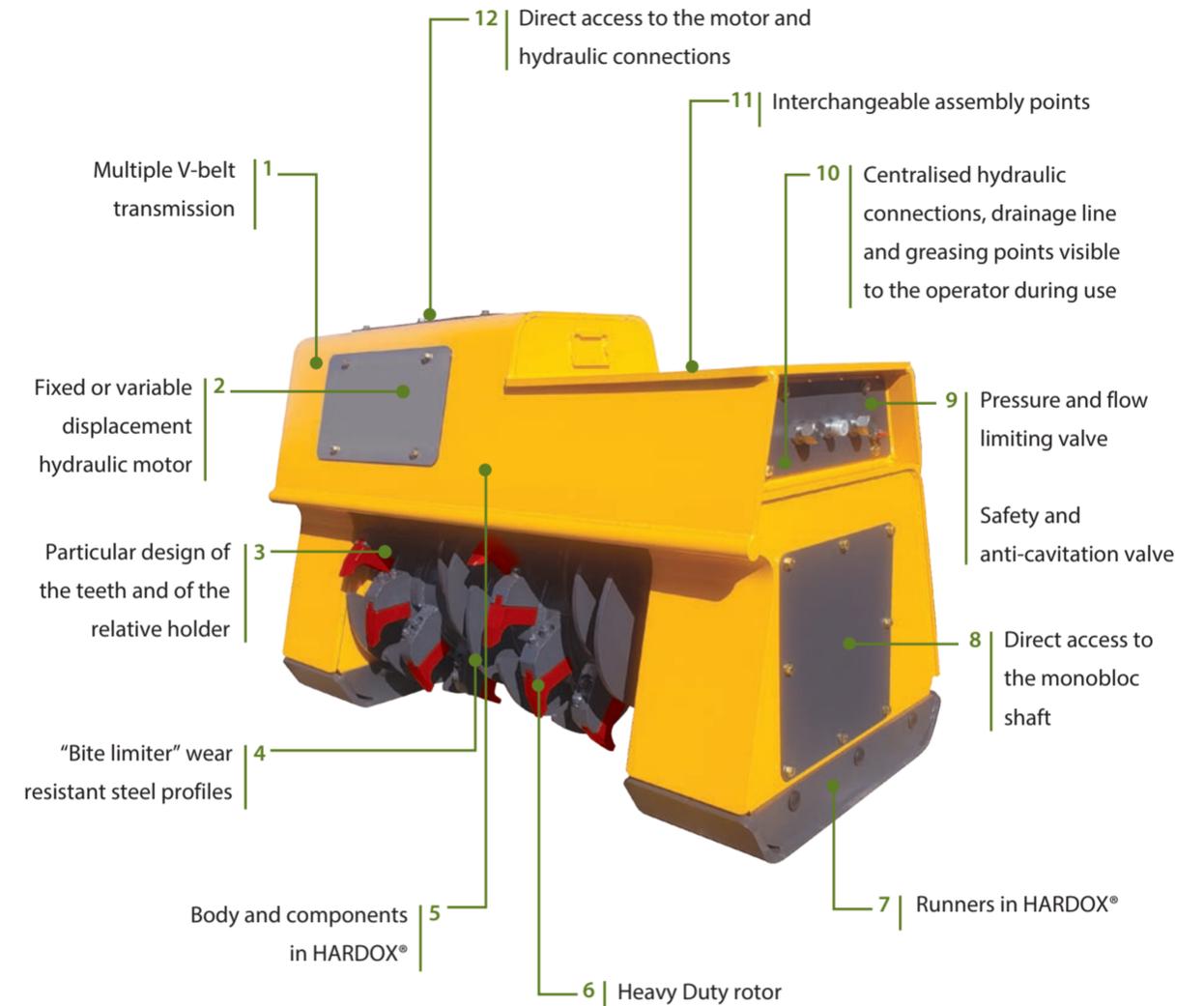
The pressure and flow limiting valve **[9]** allows safe and fast installation, preventing incorrect set-ups

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 **[10]** are visible to the operator during use thereby allowing constant checking of correct functioning of the tool.

The interchangeable assembly points **[11]** allow maximum flexibility of use with any excavator.

Direct access to the motor and hydraulic connections **[12]** facilitates maintenance interventions.



# IMH

## for compact excavators



Technical Data	IMH 3	IMH 5	IMH 6
Type of carrier	1 3 4	1 3 4	1 3 4
Cutting width	610 mm	765 mm	765 mm
GPM range	45 ÷ 68 l/min	45 ÷ 68 l/min	60 ÷ 90 l/min
Optimal oil supply	50 l/min	65 l/min	85 l/min
Number of teeth	12	22	22
Drum diameter	205 mm	205 mm	205 mm
Fixed FD / variable VD displacement motor specifications	Gears FD	Gears FD	Gears FD
Transmission	Direct	Direct	Direct
Working pressure	170 ÷ 205 bars	170 ÷ 205 bars	170 ÷ 205 bars
Attachment operating weight*	295 Kg	535 Kg	555 Kg
Mounting bracket compatibility	HP 400	HP 900	HP 900

\*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 8	IMH 10	IMH 14
Type of carrier	1 3 4	1 3 4	1 3 4
Cutting width	765 mm	915 mm	1015 mm
GPM range	65 ÷ 105 l/min	65 ÷ 105 l/min	95 ÷ 145 l/min
Optimal oil supply	90 l/min	90 l/min	115 l/min
Number of teeth	22	26	38
Drum diameter	205 mm	205 mm	205 mm
Fixed FD / variable VD displacement motor specifications	Piston FD	Piston FD	Piston FD
Transmission	Direct	Direct	Direct
Working pressure	205 ÷ 275 bars	240 ÷ 340 bars	240 ÷ 340 bars
Attachment operating weight*	595 Kg	735 Kg	1045 Kg
Mounting bracket compatibility	HP 900	HP 900	HP 1200

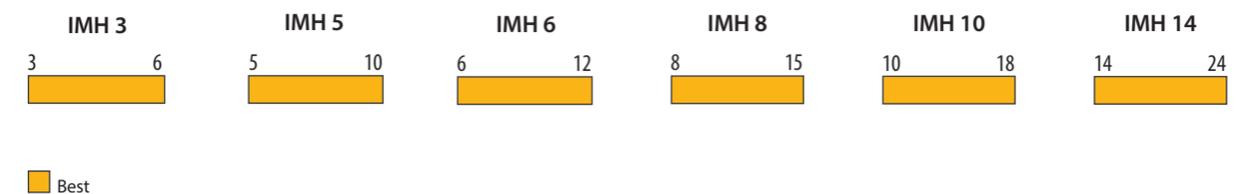
N.B. All illustrations and numerical data in this catalog are purely indicative and subject to change at our discretion and without notice. We therefore reserve the right to modify them with a view to improving and continuously developing our product.

### Carrier key



### Compatibility

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



# IMH for excavators



Technical Data	IMH 20
Type of carrier	4 5
Cutting width	1070 mm
GPM range	130 ÷ 200 l/min
Optimal oil supply	170 l/min
Number of teeth	42
Drum diameter	305 mm
Fixed FD / variable VD displacement motor specifications	Piston VD
Transmission	Belt
Working pressure	240 ÷ 340 bars
Attachment operating weight*	1495 Kg
Mounting bracket compatibility	HP 2000 - HP 2500

\*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.

## Carrier key



Technical Data	IMH 28
Type of carrier	5
Cutting width	1070 mm
GPM range	190 ÷ 260 l/min
Optimal oil supply	235 l/min
Number of teeth	42
Drum diameter	305 mm
Fixed FD / variable VD displacement motor specifications	Piston VD
Transmission	Belt
Working pressure	240 ÷ 340 bars
Attachment operating weight*	1540 Kg
Mounting bracket compatibility	HP 2000 - HP 2500

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## Compatibility

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



Best

# IMH for Skid Steers



Technical Data	IMH 4.2 SS
Type of carrier	<b>2</b>
Cutting width	1525 mm
GPM range	130 ÷ 200 l/min
Optimal oil supply	170 l/min
Number of teeth	46
Drum diameter	205 mm
Fixed FD / variable VD displacement motor specifications	Piston VD
Transmission	Belt
Working pressure	240 ÷ 340 bars
Attachment operating weight*	1400 Kg
Mounting bracket compatibility	SS Standard

\*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.

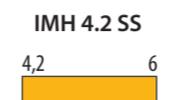
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## Carrier key



## Compatibility

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



Best

# 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	<b>4</b> <b>5</b>	<b>4</b> <b>5</b>
GPM range	90 ÷ 155 l/min	150 ÷ 230 l/min
Number of teeth	12	12
Fixed FD / variable VD displacement motor specifications	Piston FD	Piston FD
Transmissions	Belt	Belt
Working pressure	240 ÷ 340 bars	205 ÷ 340 bars
Attachment operating weight*	840 Kg	840 Kg

\*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 \_\_\_\_\_



Compact excavator



Miniloader



Backhoe loader



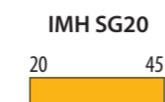
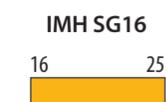
Wheeled excavator



Tracked excavator

## Compatibility

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



Best

# 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 3	IMH 5	IMH 6
 Maximum mulching diameter	50-75 mm	100-155 mm	100-155 mm
	IMH 8	IMH 10	IMH 14
 Maximum mulching diameter	100-155 mm	130-180 mm	255-380 mm
IMH for excavators	IMH 20	IMH 28	
 Maximum mulching diameter	305-380 mm	305-380 mm	
IMH for Skid Steers	IMH 4.2 SS		
 Maximum mulching diameter	205-255 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
IFP 8 X	750 Kg
IFP 13 X	1300 Kg
IFP 19 X	1800 Kg
IFP 28 X	2800 Kg
IFP 35 X	3450 Kg
IFP 45 X	4550 Kg
IRP 5 X	570 Kg
IRP 11 X	1150 Kg
IRP 18 X	1700 Kg
IRP 23 X	2300 Kg
IRP 29 X	2950 Kg
IRP 36 X	3600 Kg
IRP 45 X	4500 Kg
IMP* 15	1500 Kg
IMP* 20	2080 Kg
IMP* 25	2400 Kg
IMP* 35	3500 Kg
IMP* 45	4500 Kg

Products	Weight
IHC 50	200 Kg
IHC 70	445 Kg
IHC 75	485 Kg
IHC 150	970 Kg
IHC 250	1280 Kg
IHC R 50	425 Kg
IHC R 70	630 Kg
IHC R 75	670 Kg
IHC R 150	1185 Kg
IHC R 250	1520 Kg
IMG S** 400	380 Kg
IMG S** 600	570 Kg
IMG S** 1200	1140 Kg
IMG S** 1700	1610 Kg
IMG S** 2300	2180 Kg
IMG S** 2800	2650 Kg
ISS*** 5/7	570 Kg
ISS*** 8/13	1250 Kg

Products	Weight
ISS*** 10/20	2400 Kg
ISS*** 20/30	3650 Kg
ISS*** 25/40	4800 Kg
ISS*** 30/50	6100 Kg
ISS*** 35/60	7600 Kg
ISS*** 45/90	10400 Kg
IMH 3	295 Kg
IMH 5	535 Kg
IMH 6	555 Kg
IMH 8	595 Kg
IMH 10	735 Kg
IMH 14	1045 Kg
IMH 20	1495 Kg
IMH 28	1540 Kg
IMH 4.2 SS	1400 Kg
IMH SG16	840 Kg
IMH SG20	840 Kg

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

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