





Mulching Heads

IMH Series

 **INDECO**
A TOOL FOR EVERY JOB



Application areas

		IMH	SG	
 Land Clearing	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"/>	
 Agriculture and Forestry	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"/>	
	Forestry	• Grinding of logging residues	<input type="radio"/>	
		• 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.

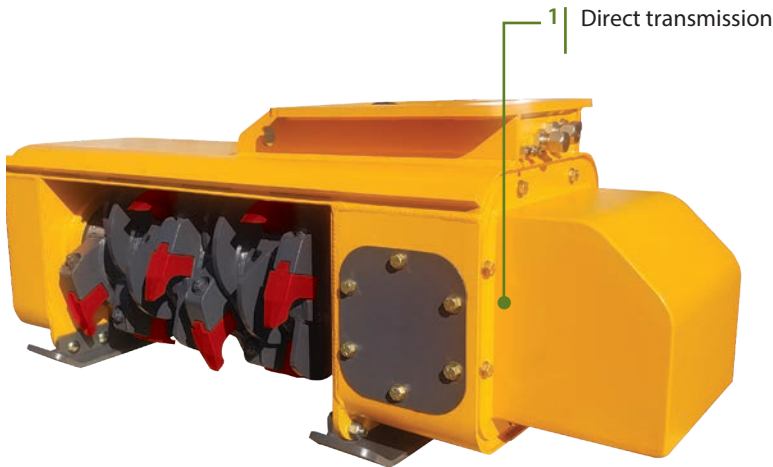
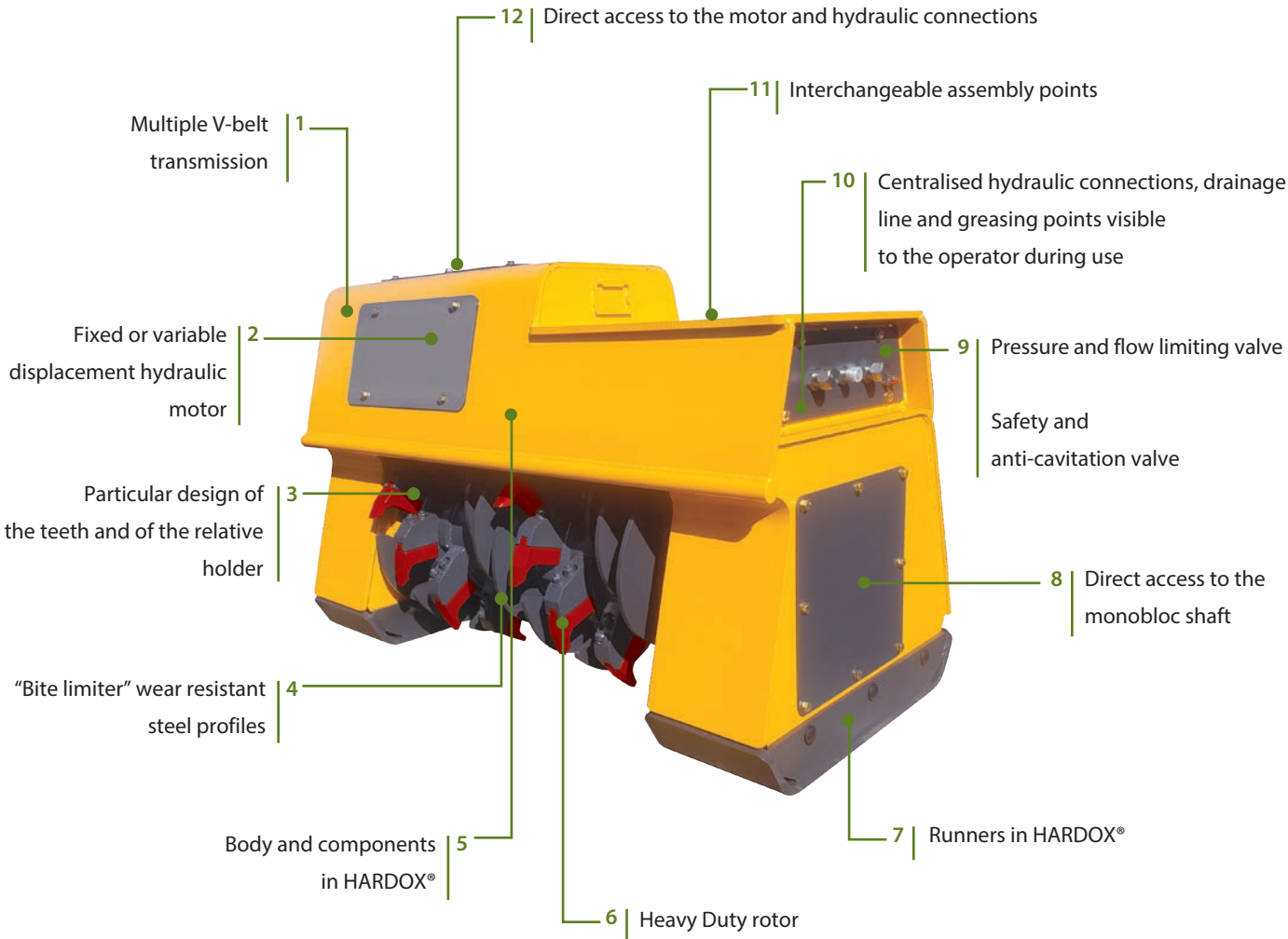
The pressure and flow limiting valve **|9|** allows safe and fast installation, preventing incorrect set-ups from compromising productivity and the life of the mulching head. The safety

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	24 in	30 in	30 in
GPM range	12 ÷ 18 gpm	12 ÷ 18 gpm	16 ÷ 24 gpm
Optimal oil supply	13 gpm	17 gpm	23 gpm
Number of teeth	12	22	22
Drum diameter	8 in	8 in	8 in
Fixed FD / variable VD displacement motor specifications	Gears FD	Gears FD	Gears FD
Transmission	Direct	Direct	Direct
Working pressure	2500 ÷ 3000 psi	2500 ÷ 3000 psi	2500 ÷ 3000 psi
Attachment operating weight*	650 lbs	1180 lbs	1220 lbs
Mounting bracket compatibility	HP 550	HP 1250	HP 1250

*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	30 in	36 in	40 in
GPM range	18 ÷ 27 gpm	18 ÷ 27 gpm	25 ÷ 38 gpm
Optimal oil supply	24 gpm	24 gpm	30 gpm
Number of teeth	22	26	38
Drum diameter	8 in	8 in	8 in
Fixed FD / variable VD displacement motor specifications	Piston FD	Piston FD	Piston FD
Transmission	Direct	Direct	Direct
Working pressure	3000 ÷ 4000 psi	3500 ÷ 5000 psi	3500 ÷ 5000 psi
Attachment operating weight*	1310 lbs	1620 lbs	2310 lbs
Mounting bracket compatibility	HP 1250	HP 1250	HP 1500

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):



Best

IMH for excavators



Technical Data	IMH 20
Type of carrier	4 5
Cutting width	42 in
GPM range	35 ÷ 52 gpm
Optimal oil supply	45 gpm
Number of teeth	42
Drum diameter	12 in
Fixed FD / variable VD displacement motor specifications	Piston VD
Transmission	Belt
Working pressure	3500 ÷ 5000 psi
Attachment operating weight*	3300 lbs
Mounting bracket compatibility	HP 3000 - HP 4000

*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	42 in
GPM range	50 ÷ 68 gpm
Optimal oil supply	62 gpm
Number of teeth	42
Drum diameter	12 in
Fixed FD / variable VD displacement motor specifications	Piston VD
Transmission	Belt
Working pressure	3500 ÷ 5000 psi
Attachment operating weight*	3400 lbs
Mounting bracket compatibility	HP 3000 - HP 4000

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Carrier key


1
Compact excavator


2
Miniloader

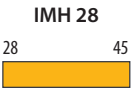
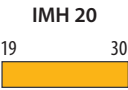

3
Backhoe loader


4
Wheeled excavator


5
Tracked excavator

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	2
Cutting width	60 in
GPM range	35 ÷ 52 gpm
Optimal oil supply	45 gpm
Number of teeth	46
Drum diameter	8 in
Fixed FD / variable VD displacement motor specifications	Piston VD
Transmission	Belt
Working pressure	3500 ÷ 5000 psi
Attachment operating weight*	3090 lbs
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

1

Compact excavator

2

Miniloader

3

Backhoe loader

4

Wheeled excavator

5

Tracked excavator



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	45	45
GPM range	25 ÷ 40 gpm	40 ÷ 60 gpm
Number of teeth	12	12
Fixed FD / variable VD displacement motor specifications	Piston FD	Piston FD
Transmissions	Belt	Belt
Working pressure	3500 ÷ 5000 psi	3000 ÷ 5000 psi
Attachment operating weight*	1850 lbs	1850 lbs

*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 3	IMH 5	IMH 6
	Maximum mulching diameter	2-3 in	4-6 in	4-6 in
		IMH 8	IMH 10	IMH 14
	Maximum mulching diameter	4-6 in	5-7 in	10-15 in
IMH for excavators		IMH 20	IMH 28	
	Maximum mulching diameter	12-15 in	12-15 in	
IMH for Skid Steers		IMH 4.2 SS		
	Maximum mulching diameter	8-10 in		

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		1650	lbs	IHC	50		450	lbs		ISS***	10/20		5280	lbs	
IFP	13	X		2900	lbs	IHC	70		1000	lbs		ISS***	20/30		8030	lbs	
IFP	19	X		4000	lbs	IHC	75		1100	lbs		ISS***	25/40		10560	lbs	
IFP	28	X		6200	lbs	IHC	150		2150	lbs		ISS***	30/50		13420	lbs	
IFP	35	X		7600	lbs	IHC	250		2850	lbs		ISS***	35/60		16720	lbs	
IFP	45	X		10050	lbs	IHC R	50		950	lbs		ISS***	45/90		22880	lbs	
IRP	5	X		1300	lbs	IHC R	70		1400	lbs		IMH	3		650	lbs	
IRP	11	X		2550	lbs	IHC R	75		1500	lbs		IMH	5		1180	lbs	
IRP	18	X		3750	lbs	IHC R	150		2650	lbs		IMH	6		1220	lbs	
IRP	23	X		5100	lbs	IHC R	250		3350	lbs		IMH	8		1310	lbs	
IRP	29	X		6500	lbs	IMG S**	400		850	lbs		IMH	10		1620	lbs	
IRP	36	X		7950	lbs	IMG S**	600		1300	lbs		IMH	14		2310	lbs	
IRP	45	X		9900	lbs	IMG S**	1200		2550	lbs		IMH	20		3300	lbs	
IMP*	15			3300	lbs	IMG S**	1700		3550	lbs		IMH	28		3400	lbs	
IMP*	20			4600	lbs	IMG S**	2300		4800	lbs		IMH	4.2 SS		3090	lbs	
IMP*	25			5300	lbs	IMG S**	2800		5850	lbs		IMH	SG16		1850	lbs	
IMP*	35			7700	lbs	ISS***	5/7		1250	lbs		IMH	SG20		1850	lbs	
IMP*	45			9900	lbs	ISS***	8/13		2750	lbs							

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

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