Primary Demolition Crusher and Multiprocessor

IDC and IMP series



INDECO
ATTACHMENT SOLUTIONS
a wipro hydraulics company

Primary Demolition Crusher

Specially designed for primary demolition work on reinforced concrete structures, the Indeco IDC primary demolition crusher has an optimal size-to-weight-to-power ratio, making it ideal for precise and efficient operation even at great heights.
Its strengths include: sturdy structure, large jaw opening, exclusive interchangeable teeth system, quicker jaw opening and closing times thanks to the regeneration valve.

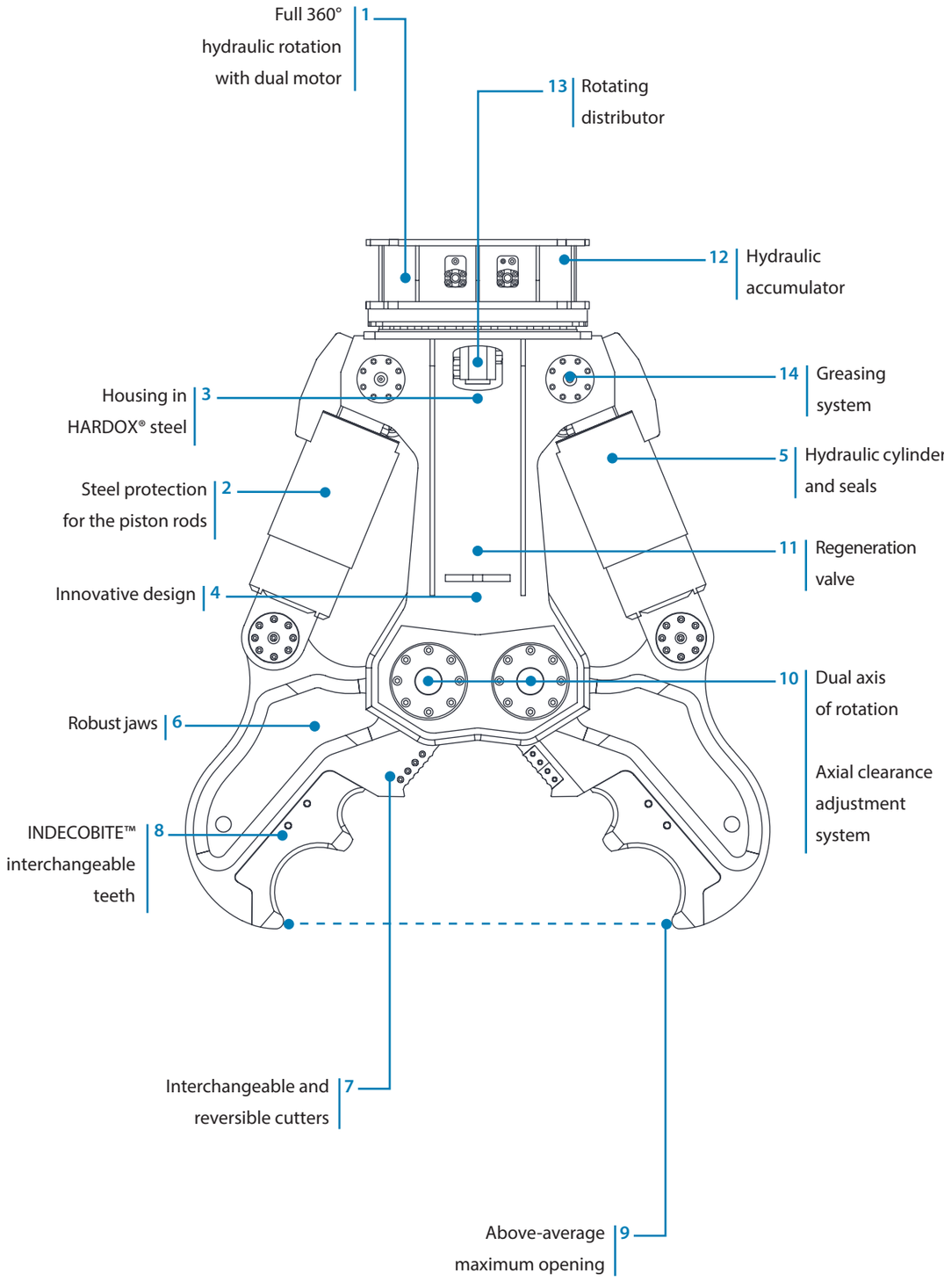


Multiprocessor Indeco IMP

Designed to ensure maximum versatility, the Indeco IMP multiprocessor is the perfect solution for specialist or non-specialist firms who need a tool that can handle a variety of different jobsite situations in the demolition and recycling field.
Thanks to various tool kits, it can be used on the same machine in the different configurations of crusher, pulverizer, shear, Combi Cutter, and Car Dismantler.
Made with the latest technologically advanced materials, such as special extra-strength HARDOX® alloy steel, which eliminates any flexing of the body, the Indeco IMP multiprocessor is designed to withstand high levels of pressure, wear and abrasion, and prolonged use regardless of jobsite conditions.
Unique features such as the special design of the jaws, the tried and tested rotation mechanism (found on all Indeco rotating products) and interchangeable teeth on the mobile jaw in crusher, pulverizer and Combi Cutter configuration, help this product perform very well in all applications.

Characteristics of Indeco's Primary Demolition Crusher

The full 360° hydraulic rotation **|1|**, with dual motor and protection valve, provides better demolition in all logistic conditions and an always optimal grip.
The piston rods are equipped with steel protective casing **|2|** for an optimal protection against accidental damage during work.
The machine body **|3|** is made of special extra-strength HARDOX® alloy steel, which eliminates any flexing of the body.
The innovative design **|4|** is intended to reduce weight and maximise demolition performance.
Two large cylinders **|5|**, made to a unique Indeco design, provide the necessary force in every jobsite condition. Their long-life seals can withstand up to 700 bar.
The particularly strong jaws **|6|** are designed to increase efficiency.
The interchangeable cutters **|7|** can be used from both sides in order to double their lifespan.
The innovative interchangeable teeth system INDECOBITE™ (Patent Pending) **|8|** speeds up maintenance and increases productivity.
Maximum jaw opening above average **|9|** compared to equipment of the same class.
Dual axis of rotation to maximise jaw opening and innovative jaw axial clearance adjustment system **|10|**.
The regeneration valve **|11|** makes the jaw open and close faster under no-load conditions, thereby shortening work cycles and increasing productivity.
The hydraulic accumulator of the rotation line **|12|** reduces pressure peaks and increases the lifespan of hydraulic rotation motors.
Rotating distributor **|13|** fitted with special dust seals.
Greasing system **|14|** for better lubrication of mechanical moving parts.





Technical Data	IDC 11	IDC 16	IDC 21
Type of carrier	4 5	4 5	5
Min. excavator weight, bucket position	10 ton	13 ton	20 ton
Operating weight of equipment	900 Kg	1600 Kg	2300 Kg
Maximum working pressure	350 bar	350 bar	350 bar
Maximum oil delivery	100 ÷ 200 l/min	150 ÷ 250 l/min	150 ÷ 250 l/min
Maximum rotation oil flow	15 l/min	20 l/min	30 l/min
Maximum rotation pressure	110 bar	110 bar	120 bar
Maximum force at tip	50 ton	75 ton	90 ton
Force class	225 ton	330 ton	420 ton
Length	1700 mm	2050 mm	2350 mm
Width	300 mm	360 mm	400 mm
Maximum jaw opening	850 mm	1000 mm	1150 mm
Jaw depth	600 mm	700 mm	750 mm
Cutter blade length	120 mm	120 mm	160 mm
Closing time when empty	2,5 ÷ 4,5 s	3,5 ÷ 5,5 s	3 ÷ 4 s
Opening time when empty	1,5 ÷ 2,5 s	1,5 ÷ 2,5 s	2 ÷ 3 s
● Max cutting diameter	40 mm	45 mm	50 mm
Compatibility of attachment plate with hammer	HP 1200	HP 2000	HP 3000

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Carrier key



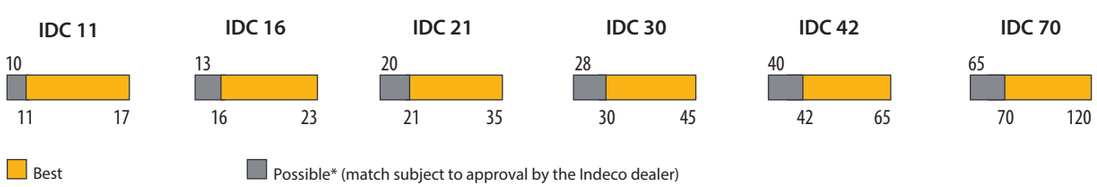
Compact excavator | Miniloader | Backhoe loader | Wheeled excavator | Tracked excavator



Technical Data	IDC 30	IDC 42	IDC 70
Type of carrier	5	5	5
Min. excavator weight, bucket position	28 ton	40 ton	65 ton
Operating weight of equipment	3000 Kg	4400 Kg	7200 Kg
Maximum working pressure	350 bar	350 bar	350 bar
Maximum oil delivery	200 ÷ 300 l/min	250 ÷ 350 l/min	300 ÷ 550 l/min
Maximum rotation oil flow	30 l/min	40 l/min	50 l/min
Maximum rotation pressure	120 bar	120 bar	150 bar
Maximum force at tip	110 ton	135 ton	180 ton
Force class	495 ton	630 ton	800 ton
Length	2550 mm	2900 mm	3350 mm
Width	450 mm	520 mm	610 mm
Maximum jaw opening	1300 mm	1500 mm	1800 mm
Jaw depth	850 mm	1100 mm	1300 mm
Cutter blade length	160 mm	180 mm	200 mm
Closing time when empty	3 ÷ 4,5 s	3,8 ÷ 5 s	5 ÷ 7 s
Opening time when empty	2,5 ÷ 4 s	3,5 ÷ 4,5 s	3 ÷ 4 s
● Max cutting diameter	55 mm	60 mm	70 mm
Compatibility of attachment plate with hammer	HP 5000	HP 7000	HP 7000

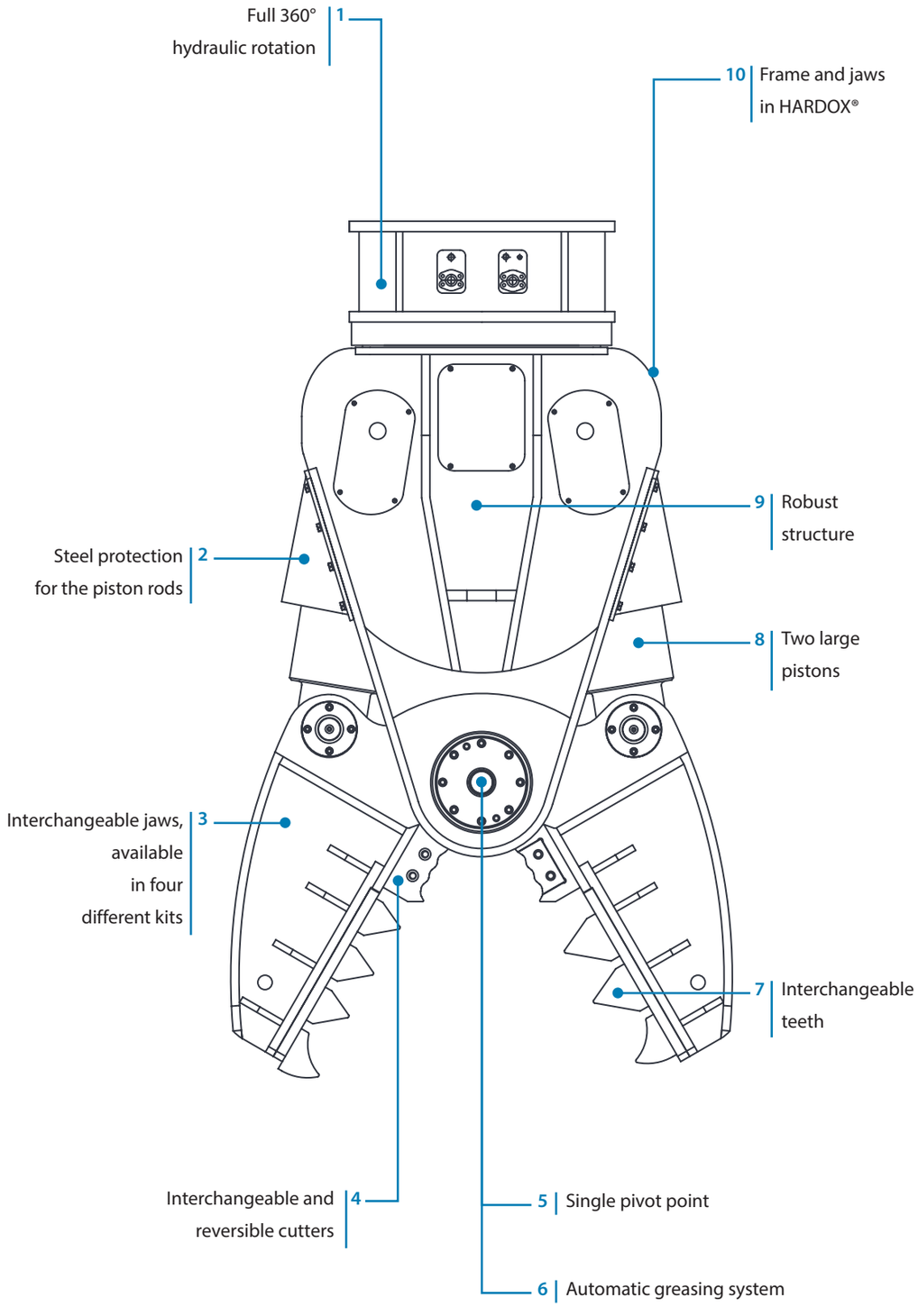
Compatibility

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



Characteristics of Indeco's multiprocessor

The full 360° hydraulic rotation **|1|**, with protection valve, provides better demolition in all logistic conditions and an always optimal grip.
The piston rods are equipped with steel protective casing **|2|** for an optimal protection against accidental damage during work.
Four different jaw kits **|3|** – crusher, pulveriser, shear, and Combi Cutter – make the IMP useful in the most diverse applications, from demolition work to crushing to shearing metal structures.
The interchangeable cutters **|4|** can be used from both sides in order to double their lifespan.
The single pivot point **|5|** makes maintenance and tool kit replacement quicker and more effective.
The automatic greasing system **|6|** improves the lubrication of the moving mechanical parts.
The teeth **|7|** are interchangeable in the crusher, pulveriser, and Combi Cutter configurations.
The two large pistons **|8|** increase and balance the demolition power.
The robust structure **|9|** features an innovative design. The frame and jaws **|10|** are made of special HARDOX® steel.





Technical Data	IMP 15	IMP 20	IMP 25
Type of carrier	4 5	4 5	4 5
Excavator weight*	12 ÷ 24 ton	17 ÷ 36 ton	20 ÷ 45 ton
Width	425 mm	475 mm	495 mm
Oil delivery	150 ÷ 250 l/min	180 ÷ 250 l/min	200 ÷ 300 l/min
Maximum pressure at cylinders	350 bar	350 bar	350 bar
Closure time (no-load)	2 s	2,5 s	3 s
Opening time (no-load)	1 s	1,2 s	1,5 s
Hydraulic connections for cylinders	3/4″	3/4″	3/4″
Maximum rotation flow	20 l/min	25 l/min	25 l/min
Maximum rotation pressure	110 bar	110 bar	110 bar
Hydraulic connections for rotation	1/2″	1/2″	1/2″
Mounting bracket compatibility	HP 2000 - HP 2500	HP 3000 ÷ HP 4000	HP 3000 ÷ HP 4000

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

Carrier key



Compact excavator | Miniloader | Backhoe loader | Wheeled excavator | Tracked excavator

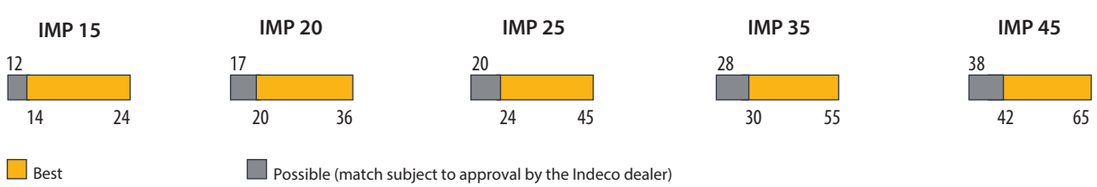


Technical Data	IMP 35	IMP 45
Type of carrier	5	5
Excavator weight*	28 ÷ 55 ton	38 ÷ 65 ton
Width	590 mm	640 mm
Oil delivery	220 ÷ 320 l/min	270 ÷ 370 l/min
Maximum pressure at cylinders	350 bar	350 bar
Closure time (no-load)	4 s	4 s
Opening time (no-load)	2 s	2 s
Hydraulic connections for cylinders	1″ 1/4	1″ 1/4
Maximum rotation flow	30 l/min	30 l/min
Maximum rotation pressure	110 bar	110 bar
Hydraulic connections for rotation	1/2″	1/2″
Mounting bracket compatibility	HP 5000	HP 7000 - HP 9000

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Compatibility

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



Jaw technical data

Jaws for IMP 15	Crusher	Pulverizer	Shear	Combi Cutter
Operating weight*	1500 Kg	1500 Kg	1600 Kg	1600 Kg
Height	1900 mm	1860 mm	1950 mm	1900 mm
Maximum opening	815 mm	720 mm	450 mm	860 mm
Jaw depth	595 mm	575 mm	500 mm	670 mm
Cutter blade length	120 mm	120 mm	490 mm	230 mm
Max clamping force at tip	50 ton	50 ton	55 ton	50 ton
Maximum clamping force at shears	230 ton	225 ton	220 ton	230 ton

Jaws for IMP 20	Crusher	Pulverizer	Shear	Combi Cutter
Operating weight*	2080 Kg	2080 Kg	2200 Kg	2200 Kg
Height	2120 mm	2070 mm	2170 mm	2150 mm
Maximum opening	910 mm	800 mm	500 mm	960 mm
Jaw depth	660 mm	640 mm	550 mm	750 mm
Cutter blade length	120 mm	120 mm	540 mm	230 mm
Max clamping force at tip	60 ton	65 ton	70 ton	60 ton
Maximum clamping force at shears	270 ton	280 ton	270 ton	270 ton

Jaws for IMP 25	Crusher	Pulverizer	Shear	Combi Cutter
Operating weight*	2400 Kg	2450 Kg	2600 Kg	2600 Kg
Height	2290 mm	2280 mm	2340 mm	2300 mm
Maximum opening	1050 mm	850 mm	550 mm	1100 mm
Jaw depth	760 mm	700 mm	620 mm	860 mm
Cutter blade length	180 mm	180 mm	600 mm	345 mm
Max clamping force at tip	95 ton	90 ton	90 ton	95 ton
Maximum clamping force at shears	340 ton	340 ton	330 ton	340 ton

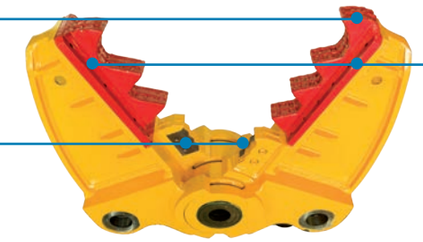
Jaws for IMP 35	Crusher	Pulverizer	Shear	Combi Cutter
Operating weight*	3500 Kg	3600 Kg	3700 Kg	3700 Kg
Height	2450 mm	2500 mm	2515 mm	2450 mm
Maximum opening	1150 mm	1050 mm	640 mm	1200 mm
Jaw depth	860 mm	870 mm	710 mm	970 mm
Cutter blade length	180 mm	180 mm	660 mm	460 mm
Max clamping force at tip	110 ton	110 ton	120 ton	110 ton
Maximum clamping force at shears	390 ton	430 ton	420 ton	390 ton

Jaws for IMP 45	Crusher	Pulverizer	Shear	Combi Cutter
Operating weight*	4500 Kg	4700 Kg	4900 Kg	4900 Kg
Height	2660 mm	2730 mm	2760 mm	2700 mm
Maximum opening	1250 mm	1150 mm	700 mm	1300 mm
Jaw depth	930 mm	950 mm	780 mm	1050 mm
Cutter blade length	180 mm	180 mm	720 mm	460 mm
Max clamping force at tip	130 ton	130 ton	140 ton	130 ton
Maximum clamping force at shears	460 ton	480 ton	460 ton	460 ton

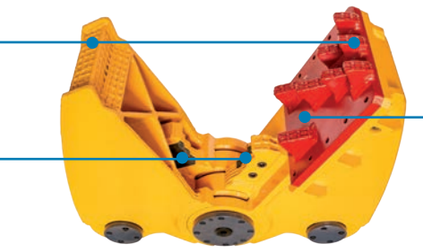
*The operating weight of the equipment includes mounting bracket compatible with Indeco construction standards. Any differences in weight may be due to a different mounting bracket configuration.

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IMP - crusher configuration



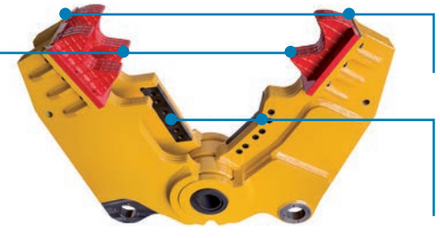
IMP - pulverizer configuration



IMP - shear configuration



IMP - Combi Cutter configuration





Technical Data	IMP 15 Car Dismantler
Type of carrier	4 5
Width	425 mm
Oil delivery	150 ÷ 250 l/min
Maximum pressure at cylinders	350 bar
Closure time (no-load)	2 s
Opening time (no-load)	1 s
Hydraulic connections for cylinders	3/4"
Maximum rotation flow	20 l/min
Maximum rotation pressure	110 bar
Hydraulic connections for rotation	1/2"
Mounting bracket compatibility	HP 2000 - HP 2500
Excavator weight (best) ton (possible) ton*	12 14 24

JAW TECHNICAL DATA

Operating weight**	1500 Kg
Height	2350 mm
Maximum opening	1200 mm
Jaw depth	1050 mm
Cutter blade length	240 mm
Max clamping force at tip	35 ton
Maximum clamping force at shears	230 ton

*Suggested uses on machines with an overall weight (in ton).
**The operating weight of the equipment 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



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Appetite guide

Profiles and maximum dimensions that can be cut with the IMP in "Shear" configuration

Shear for IMP 15

Type	UNI	Type	UNI
[	UPN 100	I	HEA 100 mm
L	90x90x8 mm	▬	6 mm
O	88,9x7,1 mm	●	40 mm
I	IPE 120 mm		

Shear for IMP 20

Type	UNI	Type	UNI
[	UPN 120	I	HEA 100 mm
L	110x110x10 mm	▬	8 mm
O	101,6x6,3 mm	●	45 mm
I	IPE 140 mm		

Shear for IMP 25

Type	UNI	Type	UNI
[	UPN 160	I	HEA 120 mm
L	120x120x12 mm	▬	10 mm
O	114,3x8 mm	●	50 mm
I	IPE 180 mm		

Shear for IMP 35

Type	UNI	Type	UNI
[	UPN 180	I	HEA 140 mm
L	130x130x12 mm	▬	13 mm
O	121x10 mm	●	55 mm
I	IPE 200 mm		

Shear for IMP 45

Type	UNI	Tipo	UNI
[	UPN 200	I	HEA 160 mm
L	150x150x12 mm	▬	16 mm
O	139,7x8 mm	●	60 mm
I	IPE 220 mm		

Accessories

Indeconnect system

New remote monitoring system, based on the principles of the Internet of Things, to prevent equipment obsolescence and keep high performance.

The **'Indeconnect'** system consists of a **device** equipped with 4G technology for a wireless connection to the network, to be mounted on the equipment, and a cloud-based **web platform** you can access from mobile devices (with an app) or from PC, that lets you view the data transmitted in real time by each installed device: working hours, working position in space, hydraulic oil temperature, ambient temperature, GPS position, and more.

Through Indeconnect you can:

- **Monitor productivity**, making sure each Indeco tool is working as intended
- **Check operations**, verifying in real time the various internal and external parameters of the equipment to make sure that it is used in optimal conditions and correctly
- **Increase security,** by remotely checking the position of the equipment through GPS
- **Plan maintenance**, monitoring the health of each Indeco tool in real time, also through the automatic alert and messaging system that lets you order spare parts and reduce machine downtime to a minimum
- **Optimise rental,** by supervising and monitoring the management of rented equipment.



Application areas

			IDC	IMP	C.D.
Demolition & renovation	**Light Demolition**	• Demolition of masonry structures		○	
		• Brickwork		○	
		• Natural stone		○	
		• Renovation of interiors		○	
		• Autoclaved aerated concrete		○	
	Demolition of non-reinforced concrete structures	• Primary demolition of lightweight and standard concrete		○	
		• Primary demolition of heavyweight concrete		○	
		• Wall elements		○	
		• Secondary demolition		○	
	Composite steel & concrete structure demolition	• Primary Demolition of Lightweight and Standard reinforced concrete	○	○	
		• Primary demolition of heavyweight steel - reinforced concrete	○	○	
		• Secondary Demolition floors, slabs and beams		○	
		• Separating rebars from pillars and struts		○	
		• Fiber-reinforced concrete		○	
		• Cutting rebars and steel reinforcements		○	
	Demolition of metallic buildings and structures	• Demolition of refineries		○	
		• Cutting of Metal and steel structures		○	
		• Cutting steel girders/beams		○	
		• Cutting reinforcements		○	
	Sorting and Loading	• Sorting			
		• Loading			
		• Waste handling			
		• Site clean-up			
	Pavement demolition	• Asphalt		○	
		• Concrete		○	
		• Composite surfaces		○	
Recycling	**Processing**	• Scrap material processing			
		• Cutting tyres			
		• Processing rail cars			
		• Processing cars, trucks and general automotive			
		• Cutting tanks			
		• Cutting of railway tracks, tramway rails, and underground rails			
	Handling and sorting	• Scrap material handling			
		• Scrap material sorting			
		• Urban waste			
		• Industrial waste			
		• Wood and tyres			
	Downsizing and sorting	• Material downsizing and sorting in recycling quarries		○	
	Recycling of ferrous material	• Recycling of ferrous material			
	Car dismantling	• Material handling and sorting			○

IDC| Primary Demolition Crusher IMP| Multiprocessor C.D.| Car Dismantler



The complete range of Indeco products

Products	Weight/Length
HP Hydraulic hammers	from 59 to 11050 Kg
IFP fixed pulverisers	from 750 to 4550 Kg
IRP rotating pulverisers	from 570 to 4500 Kg
IDC Primary Demolition Crusher	from 900 to 7200 Kg
IMP Multiprocessor	from 1500 to 4900 Kg
IMP Mutiprocessor Car Dismantler	1500 Kg
IHC fixed compactors	from 200 to 1280 Kg
IHC R rotating compactors	from 425 to 1520 Kg
IMG S-D-H-L-T Multi Grabs	from 285 to 2990 Kg
ISS Shears	from 480 to 11000 Kg
IRC rail cutters	from 4200 to 4300 Kg
IMH Mulching Heads	from 385 to 1930 Kg
IBS boom systems	from 3,3 to 14,3 m*

*Lengths can be customised on the basis of the customer's needs.

EN

Quality Management
System Certification
UNI EN ISO 9001:2015

INDECO IND S.p.A.
V.le G. Lindemann, 10 - 70132 Bari Z.I. - Italy
PH +39 080 531 33 70 - **F** +39 080 537 79 76
@ info@indeco.it - www.indeco.it/en

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