Multiprocessor

IMP Series

INDECO
ATTACHMENT SOLUTIONS
a wipro hydraulics company

Multiprocessor Indeco IMP

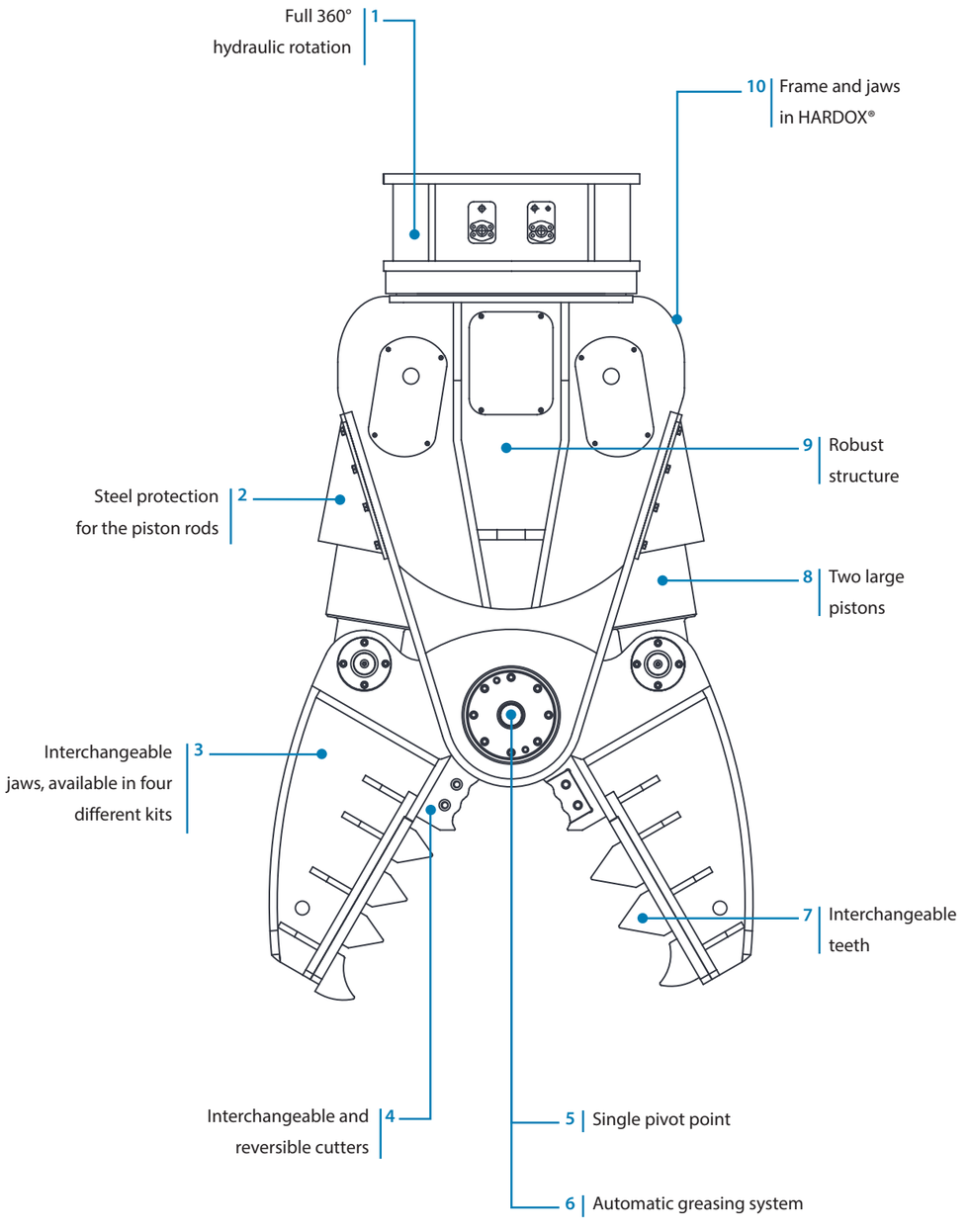
Designed to ensure maximum versatility, the Indeco IMP multiprocessor is the perfect solution for specialist or non-specialist firms who need a tool that can handle a variety of different jobsite situations in the demolition and recycling field. Different jawsets enable it to be used in the various crusher, pulverizer, shear and Combi Cutter configurations on the same carrier.

Made with the latest technologically advanced materials, such as special extra-strength HARDOX® alloy steel, which eliminate 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 and pulverizer configuration, help this product perform very well in all applications. In “shear” configuration, some of the unique features of the Indeco ISS shears have been incorporated, such as the cutting geometries, the blade configurations, and the exclusive piercing system.

The new Combi Cutter jaws are particularly well-suited for demolishing reinforced concrete structures, as the tip is equipped with two field-replaceable toothed plates, while extra-long blades in the rear make cutting the steel rods inside reinforced concrete even easier.

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*	26400÷ 52800 lbs	37400 ÷ 79200 lbs	44000 ÷ 99000 lbs
Width	17 in	19 in	19.5 in
Oil delivery	40 ÷ 66.5 gpm	48 ÷ 66.5 gpm	53 ÷ 79.5 gpm
Maximum pressure at cylinders	5100 psi	5100 psi	5100 psi
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	5.5 gpm	7 gpm	7 gpm
Maximum rotation pressure	1600 psi	1600 psi	1600 psi
Hydraulic connections for rotation	1/2″	1/2″	1/2″
Mounting bracket compatibility	HP 3000 - HP 4000	HP 5000 ÷ HP 7500	HP 5000 ÷ HP 7500

*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

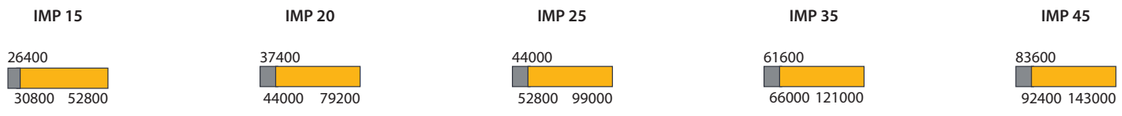
Technical Data	IMP 35	IMP 45
Type of carrier	5	5
Excavator weight*	61600 ÷ 121000 lbs	83600 ÷ 143000 lbs
Width	23.5 in	25.5 in
Oil delivery	58.5 ÷ 85 gpm	71.5 ÷ 98 gpm
Maximum pressure at cylinders	5100 psi	5100 psi
Closure time (no-load)	4 s	4 s
Opening time (no-load)	2 s	2 s
Hydraulic connections for cylinders	1″ 1/4	1″ 1/4
Maximum rotation flow	8 gpm	8 gpm
Maximum rotation pressure	1600 psi	1600 psi
Hydraulic connections for rotation	1/2″	1/2″
Mounting bracket compatibility	HP 10000	HP 12000 - HP 14000

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.

Compatibility

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

Best | Possible*



*match subject to approval by the Indeco dealer

Jaw technical data

Jaws for IMP 15	Crusher	Pulverizer	Shear	Combi Cutter
Operating weight*	3300 lbs	3300 lbs	3550 lbs	3550 lbs
Height	75 in	73.5 in	77 in	75 in
Maximum opening	32.5 in	28.5 in	18 in	34 in
Jaw depth	23.5 in	23 in	20 in	26.5 in
Cutter blade length	4.8 in	5 in	19.5 in	9.1 in
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*	4600 lbs	4600 lbs	4850lbs	4850 lbs
Height	83.5 in	81.5 in	85.5 in	85 in
Maximum opening	36 in	31.5 in	20 in	38 in
Jaw depth	26 in	25.5 in	22 in	30 in
Cutter blade length	4.8 in	5 in	21.5 in	9.1 in
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

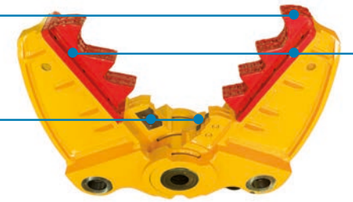
Jaws for IMP 25	Crusher	Pulverizer	Shear	Combi Cutter
Operating weight*	5300 lbs	5400 lbs	5750 lbs	5750 lbs
Height	90.5 in	90 in	92.5 in	91 in
Maximum opening	41.5 in	33.5 in	22 in	43.5 in
Jaw depth	30 in	28 in	24.5 in	34 in
Cutter blade length	7.1 in	7.5 in	24 in	13.6 in
Max clamping force at tip	95 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*	7700 lbs	7950 lbs	8150 lbs	8150 lbs
Height	96.5 in	98.5 in	99.5 in	96.5 in
Maximum opening	45.5 in	41.5 in	25.5 in	47.5 in
Jaw depth	34 in	34.5 in	28 in	38.5 in
Cutter blade length	7.1 in	7.5 in	26 in	18.2 in
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*	9900 lbs	10350 lbs	10800 lbs	10800 lbs
Height	105 in	107.5 in	109 in	106.5 in
Maximum opening	49.5 in	45.5 in	28 in	51.5 in
Jaw depth	37 in	37.5 in	31 in	41.5 in
Cutter blade length	7.1 in	7.5 in	28.5 in	18.2 in
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.

IMP - crusher configuration

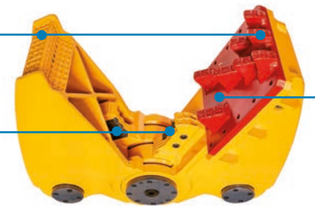


Wear-resistant hardfacing, fitted as standard

The distance between the interchangeable cutters can be adjusted, so that steel rods inside reinforced concrete can be cut more efficiently

Interchangeable teeth mounted on a bolt-on plate with tooth sockets

IMP - pulverizer configuration



Wear-resistant hardfacing, fitted as standard

The distance between the interchangeable cutters can be adjusted, so that steel rods inside reinforced concrete can be cut more efficiently

Interchangeable teeth mounted on a bolt-on plate with tooth sockets

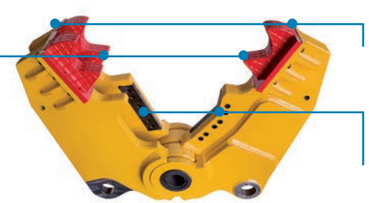
IMP - shear configuration

Exclusive dual-profile piercing tip system in both upper and lower tips, for a clean gradual cut

Wear-resistant hardfacing, fitted as standard

Four special steel blades: all the same size, reversible and interchangeable so that all of the cutting edges can be used

IMP - Combi Cutter configuration



Interchangeable teeth mounted on a bolt-on plate with tooth sockets

Wear-resistant hardfacing, fitted as standard

Longer blades cut the steel rods inside reinforced concrete even more efficiently

Appetite guide

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

Shear for IMP 15

Type	AISI	Type	AISI
[	C3x4.1 in	I	5 in
L	L3.5x3.5x0.3 in	▬	0.25 in
○	3 in	●	1.60 in

Shear for IMP 20

Type	AISI	Type	AISI
[	C3x5 in	I	6 in
L	L4x4x0.4 in	▬	0.35 in
○	3.5 in	●	1.80 in

Shear for IMP 25

Type	AISI	Type	AISI
[	C4x6.25 in	I	8 in
L	L5x5x0.5 in	▬	0.40 in
○	4 in	●	2 in

Shear for IMP 35

Type	AISI	Type	AISI
[	C4x7.25 in	I	10 in
L	L5x5x0.6 in	▬	0.55 in
○	4.5 in	●	2.20 in

Shear for IMP 45

Type	AISI	Type	AISI
[	C5x9 in	I	12 in
L	L6x6x0.5 in	▬	0.65 in
○	5 in	●	2.40 in

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

			IMP
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 tires	
		• 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 tires	
	Downsizing and sorting	• Material downsizing and sorting in recycling quarries	○
	Recycling of ferrous material	• Recycling of ferrous material	

The full range of other Indeco products

Products		Weight	
IFP	8 X	1650	lbs
IFP	13 X	2900	lbs
IFP	19 X	4000	lbs
IFP	28 X	6200	lbs
IFP	35 X	7600	lbs
IFP	45 X	10050	lbs
IRP	5 X	1300	lbs
IRP	11 X	2550	lbs
IRP	18 X	3750	lbs
IRP	23 X	5100	lbs
IRP	29 X	6500	lbs
IRP	36 X	7950	lbs
IRP	45 X	9900	lbs
IMP*	15	3300	lbs
IMP*	20	4600	lbs
IMP*	25	5300	lbs
IMP*	35	7700	lbs
IMP*	45	9900	lbs

Products		Weight	
IHC	50	450	lbs
IHC	70	1000	lbs
IHC	75	1100	lbs
IHC	150	2150	lbs
IHC	250	2850	lbs
IHC R	50	950	lbs
IHC R	70	1400	lbs
IHC R	75	1500	lbs
IHC R	150	2650	lbs
IHC R	250	3350	lbs
IMG S**	300	630	lbs
IMG S**	400	850	lbs
IMG S**	600	1300	lbs
IMG S**	1200	2550	lbs
IMG S**	1700	3550	lbs
IMG S**	2300	4800	lbs
IMG S**	2800	5850	lbs
ISS***	5/7	1250	lbs

Products		Weight	
ISS***	8/13	2750	lbs
ISS***	10/20	5280	lbs
ISS***	20/30	8030	lbs
ISS***	25/40	10560	lbs
ISS***	30/50	13420	lbs
ISS***	35/60	16720	lbs
ISS***	45/90	22880	lbs
IRC***	30	9240	lbs
IMH	3	850	lbs
IMH	4	850	lbs
IMH	5	1180	lbs
IMH	6	1220	lbs
IMH	8	1280	lbs
IMH	10	1620	lbs
IMH	14	2310	lbs
IMH	20	3300	lbs
IMH	3.2 SS	2190	lbs
IMH	4.2 SS	3090	lbs

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

USA Version EN

UNI EN ISO 9001:2015
Quality Management
System Certification

Member of

INDECO North America
135 Research Drive
Milford CT, 06460
PH. (203) 713-1030 - **F** (203) 713-1040
www.indeco-breakers.com

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CaruccieChiurazzi