Primary Demolition Crusher and Multiprocessor

IDC and IMP series

INDECO
ATTACHMENT SOLUTIONS
a wipro hydraulics company

Primary Demolition Crusher

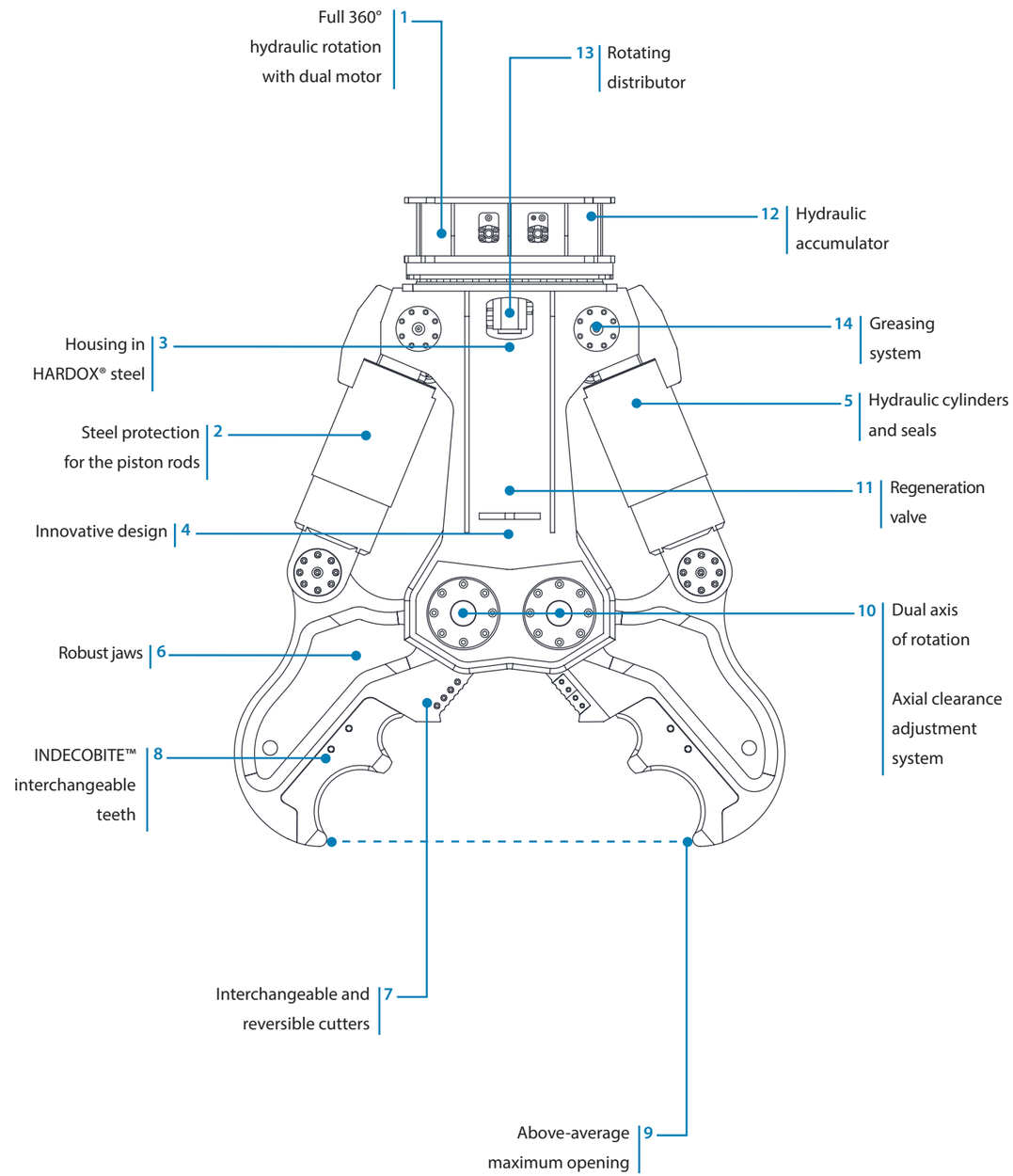
Specially designed for primary demolition work on reinforced concrete structures, the Indeco IDC primary demolition crusher has an optimal size-to-weight-to-power ratio, making it ideal for precise and efficient operation even at great heights. Its strengths include: sturdy structure, large jaw opening, 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	22000 lbs	28600 lbs	44000 lbs
Operating weight of equipment	1980 lbs	3520 lbs	5060 lbs
Maximum working pressure	5150 psi	5150 psi	5150 psi
Maximum oil delivery	26.5 ÷ 53 gpm	40 ÷ 66 gpm	40 ÷ 66 gpm
Maximum rotation oil flow	4 gpm	5.3 gpm	8 gpm
Maximum rotation pressure	1620 psi	1620 psi	1770 psi
Maximum force at tip	50 ton	75 ton	90 ton
Force class	225 ton	330 ton	420 ton
Length	67 in	81 in	93 in
Width	12 in	14 in	16 in
Maximum jaw opening	33 in	39 in	45.5 in
Jaw depth	24 in	28 in	29.5 in
Cutter blade length	5 in	5 in	6.3 in
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	1.6 in	1.8 in	2 in
Compatibility of attachment plate with hammer	HP 1500	HP 3000	HP 5000

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Carrier key

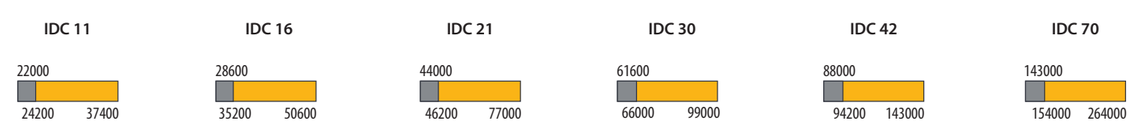
Compact excavator | Miniloader | Backhoe loader | Wheeled excavator | Tracked excavator

Technical Data	IDC 30	IDC 42	IDC 70
Type of carrier	5	5	5
Min. excavator weight, bucket position	61600 lbs	88000 lbs	143000 lbs
Operating weight of equipment	6600 lbs	9680 lbs	15850 lbs
Maximum working pressure	5150 psi	5150 psi	5150 psi
Maximum oil delivery	53 ÷ 80 gpm	66 ÷ 93 gpm	79.5 ÷ 146 gpm
Maximum rotation oil flow	8 gpm	11 gpm	13 gpm
Maximum rotation pressure	1770 psi	1770 psi	2200 psi
Maximum force at tip	110 ton	135 ton	180 ton
Force class	495 ton	630 ton	800 ton
Length	100 in	114 in	132 in
Width	18 in	21 in	24 in
Maximum jaw opening	51 in	59 in	71 in
Jaw depth	33.5 in	43.5 in	51.5 in
Cutter blade length	6.3 in	7.1 in	8 in
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	2.2 in	2.4 in	2.8 in
Compatibility of attachment plate with hammer	HP 10000	HP 12000	HP 12000

Compatibility

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

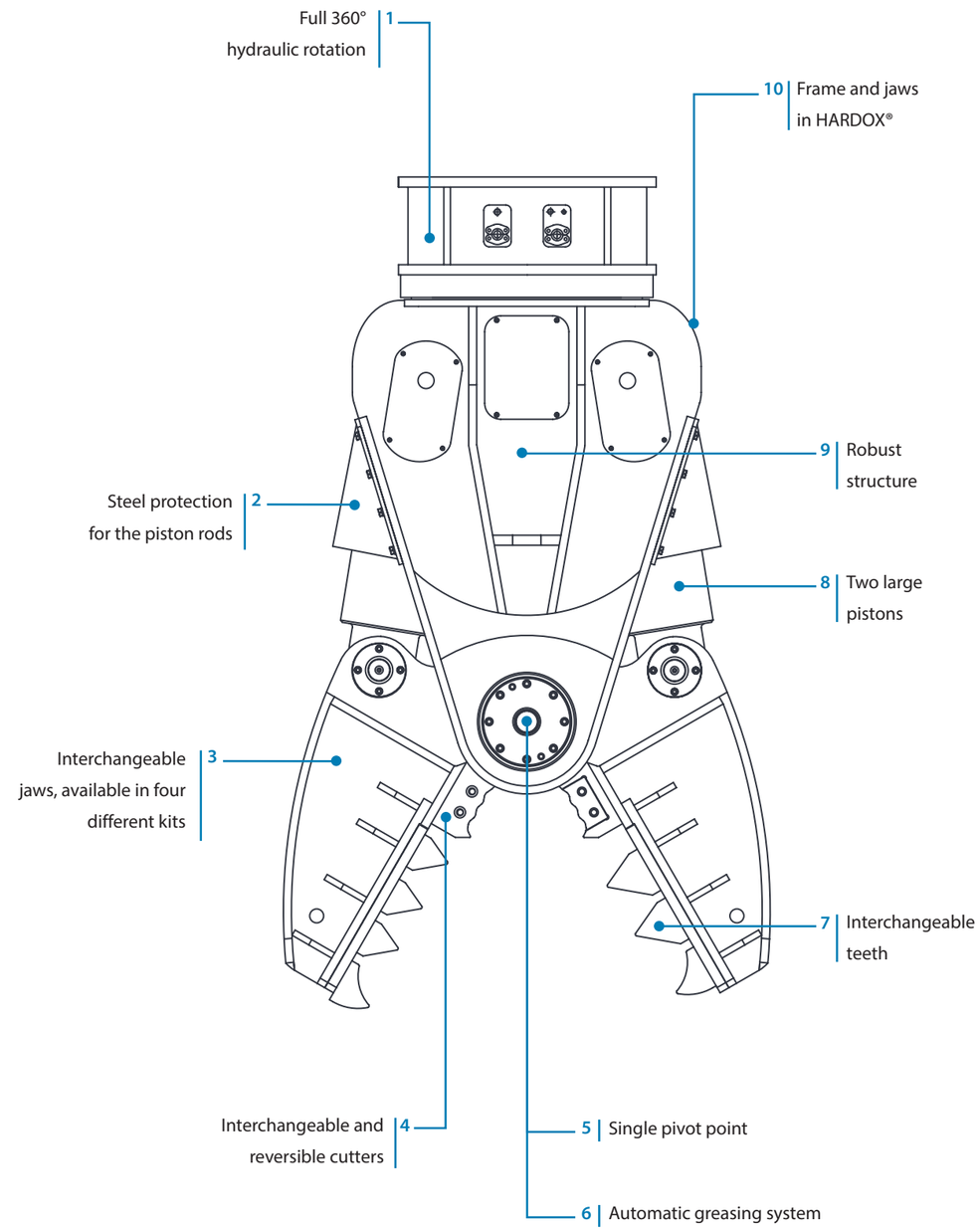
Best | Possible*



*match subject to approval by the Indeco dealer

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.

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

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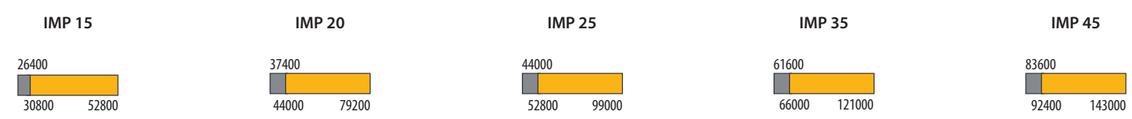
Carrier key

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

Compatibility

Suggested uses on machines with an overall weight (in 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.

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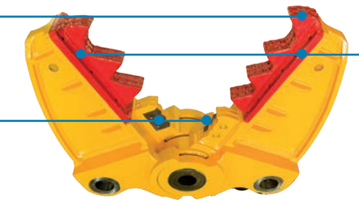
IMP - crusher configuration

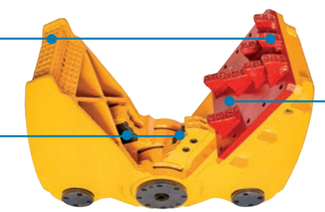


Wear-resistant hardfacing, fitted as standard

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

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

IMP - pulverizer configuration

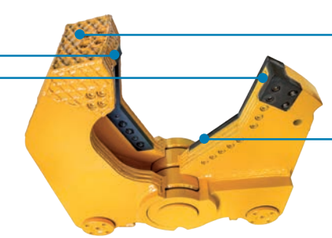


Wear-resistant hardfacing, fitted as standard

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

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

IMP - shear configuration

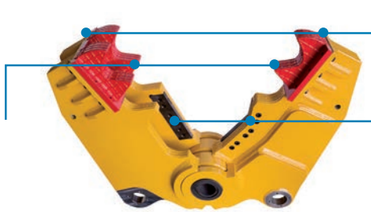


Exclusive dual-profile piercing tip system in both upper and lower tips, for a clean gradual cut

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

Technical Data	IMP 15 Car Dismantler
Type of carrier	4 5
Width	17 in
Oil delivery	40 ÷ 66.5 gpm
Maximum pressure at cylinders	5100 psi
Closure time (no-load)	2 s
Opening time (no-load)	1 s
Hydraulic connections for cylinders	3/4”
Maximum rotation flow	5.5 gpm
Maximum rotation pressure	1600 psi
Hydraulic connections for rotation	1/2”
Mounting bracket compatibility	HP 3000 - HP 4000
Excavator weight (best) lbs (possible) lbs*	26400 30800 52800

JAW TECHNICAL DATA

Operating weight**	3300 lbs
Height	93 in
Maximum opening	47.5 in
Jaw depth	41.5 in
Cutter blade length	9.5 in
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

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

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

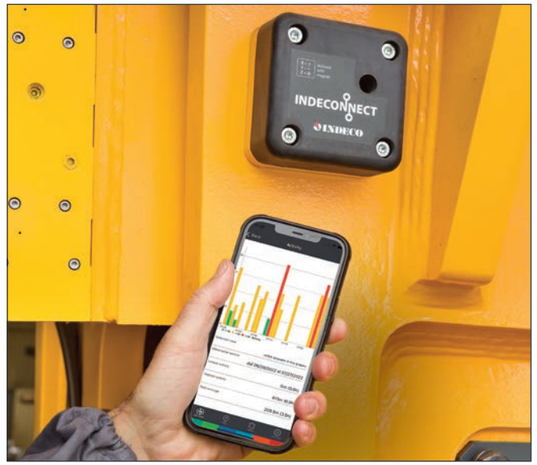
Accessories

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

		IDC	IMP	C.D.
Demolition & renovation				
Light Demolition	• Demolition of masonry structures		O	
	• Brickwork		O	
	• Natural stone		O	
	• Renovation of interiors		O	
	• Autoclaved aerated concrete		O	
Demolition of non-reinforced concrete structures	• Primary demolition of lightweight and standard concrete		O	
	• Primary demolition of heavyweight concrete		O	
	• Wall elements		O	
	• Secondary demolition		O	
Composite steel & concrete structure demolition	• Primary Demolition of Lightweight and Standard reinforced concrete	O	O	
	• Primary demolition of heavyweight steel - reinforced concrete	O	O	
	• Secondary Demolition floors, slabs and beams		O	
	• Separating rebars from pillars and struts		O	
	• Fiber-reinforced concrete		O	
	• Cutting rebars and steel reinforcements		O	
Demolition of metallic buildings and structures	• Demolition of refineries		O	
	• Cutting of Metal and steel structures		O	
	• Cutting steel girders/beams		O	
	• Cutting reinforcements		O	
Sorting and Loading	• Sorting			
	• Loading			
	• Waste handling			
	• Site clean-up			
Pavement demolition	• Asphalt		O	
	• Concrete		O	
	• Composite surfaces		O	
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		O	
Recycling of ferrous material	• Recycling of ferrous material			
Car dismantling	• Material handling and sorting			O

IDC| Primary Demolition Crusher

IMP| Multiprocessor

C.D.| Car Dismantler

The complete range of Indeco products

Products	Weight/Length
HP Hydraulic hammers	from 135 to 24400 lbs
IFP fixed pulverisers	from 1650 to 10050 lbs
IRP rotating pulverisers	from 1300 to 9900 lbs
IDC Primary Demolition Crusher	from 1980 to 15850 lbs
IMP Multiprocessor	from 3300 to 10800 lbs
IMP Mutiprocessor Car Dismantler	3300 lbs
IHC fixed compactors	from 450 to 2850 lbs

Products	Weight/Length
IHC R rotating compactors	from 950 to 3350 lbs
IMG S-D-H-L-T Multi Grabs	from 630 to 6600 lbs
ISS Shears	from 1060 to 24200 lbs
IRC rail cutters	from 9240 to 9650 lbs
IMH Mulching Heads	from 850 to 4250 lbs
IBS boom systems	from 11 to 47 ft

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

USA Version EN

Quality Management System Certification UNI EN ISO 9001:2015

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