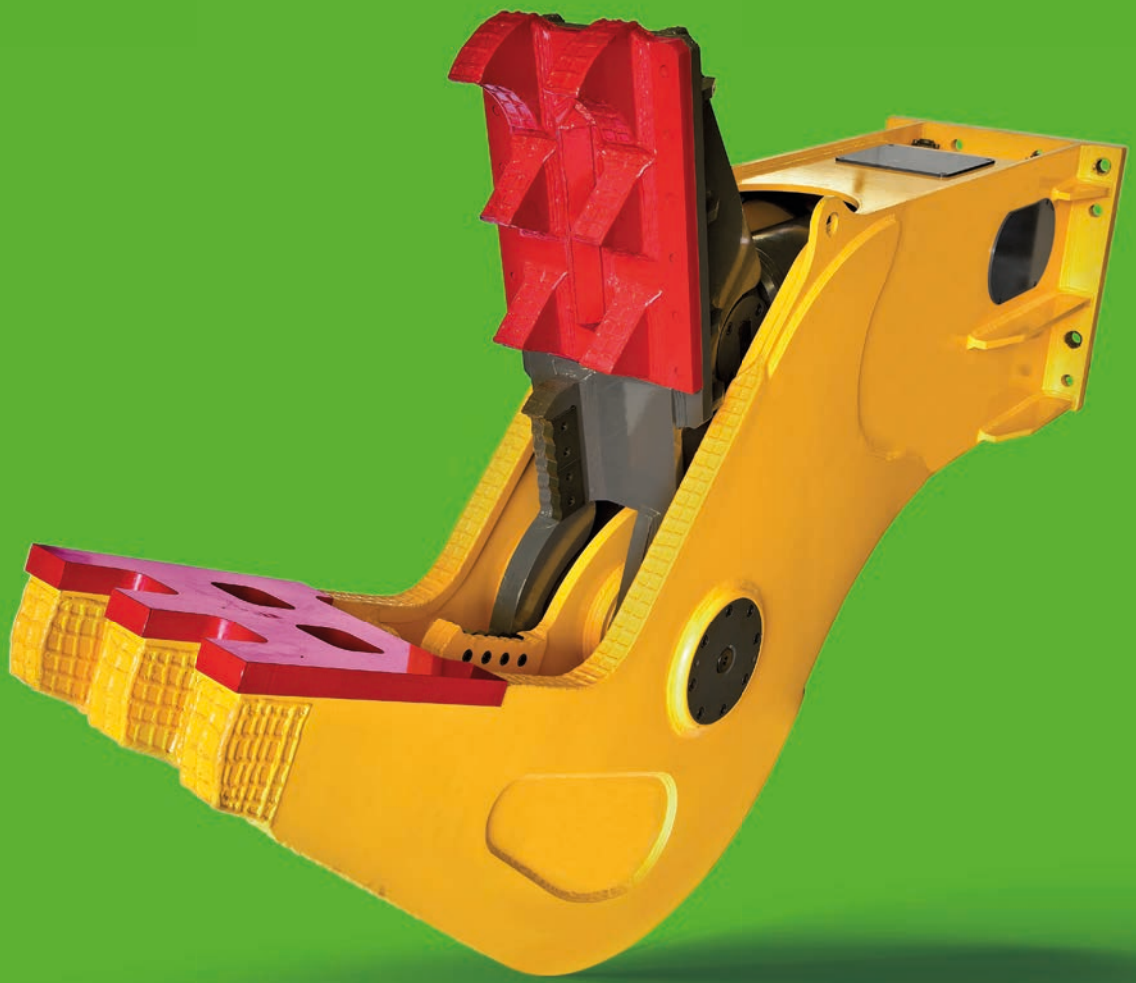
Pulverizers

IFP - Fixed
IRP - Rotating



INDECO
ATTACHMENT SOLUTIONS
a wipro hydraulics company

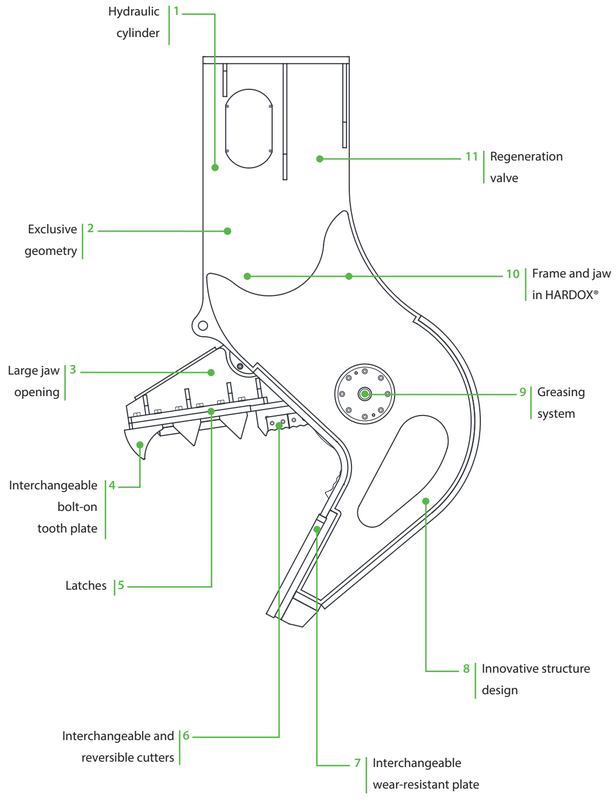
IFP fixed and IRP rotating pulverizers

Exploiting the best in Indeco's advanced technological know how, the Indeco IFP fixed and IRP rotating pulverizers were designed and created following the top quality guidelines already used in manufacturing our famous hydraulic breakers.
By using the latest technologically advanced materials, such as special extra-strength HARDOX® alloy steel, Indeco pulverizers are specifically designed to withstand high levels of pressure, wear and abrasion, and prolonged use regardless of jobsite conditions. IRP rotating pulverizers are perfect not only for the primary demolition of buildings, vertical structures, flooring, slabs and external walls.
The IFP fixed versions are perfect for the secondary demolition of reinforced concrete materials and structures, and for recycling after separating the concrete from the steel rods.
The unique shape of Indeco pulverizers is a design feature created specifically to reduce the variation in the force required between the start (maximum opening) and the finish (minimum opening) so as to increase efficiency and continuity, and to reduce both working times and stress transmitted to the excavator. The hydraulic system is equipped with a “regeneration valve” which enables the mobile jaw to be closed more quickly under no-load conditions, in order to apply all of the force available only when pulverizing material, thus increasing productivity.
Other key features which keep Indeco pulverizers efficient in the long term: the adjustability of the distance between the cutters located inside the jaws, so that steel rods inside reinforced concrete can be cut more efficiently; the interchangeable teeth on the mobile jaw (welded onto a bolt-on plate and secured with special latches) for optimal penetration of the material being demolished.

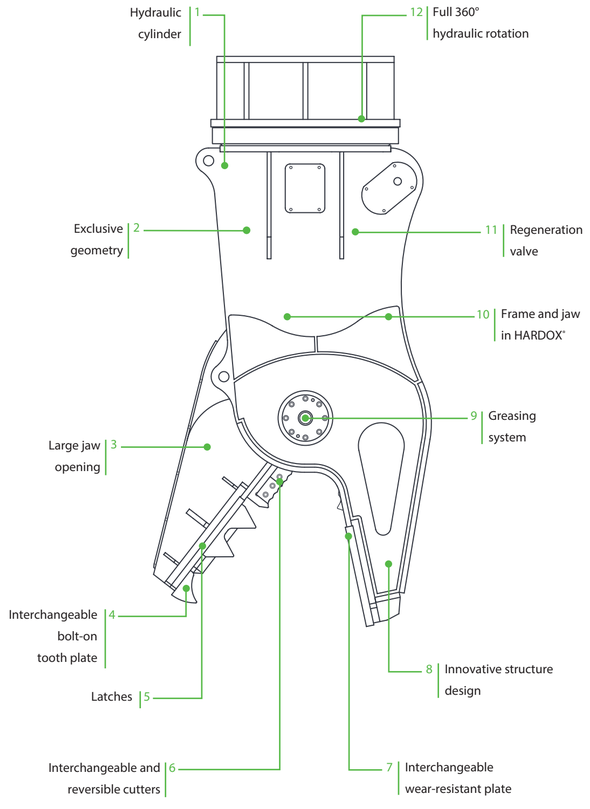
Features of Indeco pulverizers

The hydraulic cylinder |1| position protects the rod.
The exclusive geometry |2| guarantees maximum consistency of the pulverising force between the maximum and minimum opening of the jaws |3|.
The interchangeable teeth |4| are mounted on a bolt-on tooth plate, secured with special latches |5|.
The adjustability of the distance between the cutters |6| positioned inside the jaws makes it more efficient to cut reinforcing rods; the cutters are interchangeable and can be used on both sides.
The insertion of the interchangeable wear-resistant plate |7| also in the fixed jaw preserves the bearing structure of the pulveriser during heavy and prolonged use.
The structure is very rigid to prevent buckling;
the innovative design |8| improves grip and makes the equipment easier to handle.
The centralised greasing system |9| improves the lubrication of moving mechanical parts.
The frame and jaw |10| are made of HARDOX®.
The regeneration valve |11| makes it so that the movable jaw closes faster under no-load conditions.
The full 360° hydraulic rotation |12| with protection valve ensures optimal grip of the material and a better demolition in all logistic conditions.

IFP fixed



IRP rotating



Technical Data	IFP 8 X	IFP 13 X	IFP 19 X
Type of carrier	1 4	1 4 5	4 5
Excavator weight	13200 ÷ 39600 lbs	22000 ÷ 46200 lbs	35200 ÷ 66000 lbs
Attachment operating weight*	1650 lbs	2900 lbs	4000 lbs
Max opening	26 in	32 in	35.5 in
Height	67 in	75 in	83 in
Width	39 in	47 in	58 in
Jaw width	14 in	16 in	18 in
Oil delivery	21.5 ÷ 53 gpm	32 ÷ 53 gpm	37.5 ÷ 58.5 gpm
Maximum working pressure	5100 psi	5100 psi	5100 psi
Maximum clamping force at tip	50 ton	65 ton	80 ton
Maximum clamping force at shears	160 ton	210 ton	265 ton
Shear length	4 in	7.1 in	9.5 in
Max cutting diameter	1.6 in	1.6 in	1.8 in
Min. closure time	2 s**	2 s**	3 s**
Min. opening time	1 s	1 s	1.5 s
Hydraulic connections	3/4"	3/4"	3/4"
Mounting bracket compatibility	HP 1500	HP 3000 - HP 4000	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.

**without regeneration valve

Carrier key

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

Technical Data	IFP 28 X	IFP 35 X	IFP 45 X
Type of carrier	4 5	5	5
Excavator weight	44000 ÷ 99000 lbs	61600 ÷ 121000 lbs	72600 ÷ 143000 lbs
Attachment operating weight*	6200 lbs	7600 lbs	10050 lbs
Max opening	39.5 in	47 in	51 in
Height	96.5 in	102 in	122.5 in
Width	61 in	64.5 in	75 in
Jaw width	20.5 in	22.5 in	24 in
Oil delivery	40 ÷ 66.5 gpm	48 ÷ 69 gpm	48 ÷ 79.5 gpm
Maximum working pressure	5100 psi	5100 psi	5100 psi
Maximum clamping force at tip	105 ton	120 ton	150 ton
Maximum clamping force at shears	355 ton	380 ton	470 ton
Shear length	9.5 in	9.5 in	9.5 in
Max cutting diameter	2 in	2 in	2.4 in
Min. closure time	2 s	2.5 s	2.5 s
Min. opening time	2 s	2.5 s	2.5 s
Hydraulic connections	1"	1"	1"
Mounting bracket compatibility	HP 10000	HP 12000 - HP 14000	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*

IFP 8 X	IFP 13 X	IFP 19 X	IFP 28 X	IFP 35 X	IFP 45 X
13200	22000	35200	44000	61600	72600
15400 39600	26400 46200	39600 66000	52800 99000	66000 121000	79200 143000

*match subject to approval by the Indeco dealer

Technical Data	IRP 5 X	IRP 11 X	IRP 18 X	IRP 23 X
Type of carrier	1 4	1 4 5	4 5	4 5
Excavator weight	11000 ÷ 26400 lbs	22000 ÷ 55000 lbs	30800 ÷ 66000 lbs	39600 ÷ 79200 lbs
Attachment operating weight*	1300 lbs	2550 lbs	3750 lbs	5100 lbs
Max opening	20 in	26 in	32.5 in	35.5 in
Height	63 in	73.5 in	90 in	99 in
Width	28 in	39.5 in	51.5 in	57.5 in
Jaw width	12 in	13.5 in	16.5 in	18 in
Oil delivery	13.5 ÷ 32 gpm	21.5 ÷ 53 gpm	32 ÷ 53 gpm	37.5 ÷ 58.5 gpm
Maximum working pressure	4400 psi / 3200 psi**	5100 psi	5100 psi	5100 psi
Maximum clamping force at tip	40 ton	50 ton	65 ton	80 ton
Maximum clamping force at shears	130 ton	170 ton	210 ton	265 ton
Shear length	3.2 in	4 in	7.1 in	9.5 in
Max cutting diameter	1.4 in	1.6 in	1.6 in	1.8 in
Min. closure time	1.5 s***	2 s***	2 s***	3 s***
Min. opening time	1 s	1 s	1 s	1.5 s
Hydraulic connections	1/2"	3/4"	3/4"	3/4"
Maximum rotation flow	3 gpm	5.5 gpm	7 gpm	7 gpm
Maximum rotation pressure	1600 psi	1600 psi	1600 psi	1600 psi
Hydraulic connections for rotation	3/8"	1/2"	1/2"	1/2"
Mounting bracket compatibility	HP 1250	HP 1500	HP 3000 - HP 4000	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.

**low pressure version / ***without regeneration valve

Carrier key

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

Technical Data	IRP 29 X	IRP 36 X	IRP 45 X
Type of carrier	5	5	5
Excavator weight	55000 ÷ 99000 lbs	66000 ÷ 121000 lbs	83600 ÷ 143000 lbs
Attachment operating weight*	6500 lbs	7950 lbs	9900 lbs
Max opening	38 in	41.5 in	45.5 in
Height	104.5 in	110.5 in	124.5 in
Width	58 in	58.5 in	65 in
Jaw width	19.5 in	20.5 in	22.5 in
Oil delivery	40 ÷ 66.5 gpm	40 ÷ 66.5 gpm	48 ÷ 79.5 gpm
Maximum working pressure	5100 psi	5100 psi	5100 psi
Maximum clamping force at tip	95 ton	105 ton	120 ton
Maximum clamping force at shears	325 ton	355 ton	380 ton
Shear length	9.5 in	9.5 in	9.5 in
Max cutting diameter	2 in	2 in	2 in
Min. closure time	2 s	2 s	2.5 s
Min. opening time	2 s	2 s	2.5 s
Hydraulic connections	1"	1"	1"
Maximum rotation flow	8 gpm	8 gpm	8 gpm
Maximum rotation pressure	1600 psi	1600 psi	1600 psi
Hydraulic connections for rotation	1/2"	1/2"	1/2"
Mounting bracket compatibility	HP 10000	HP 12000 - HP 14000	HP 12000 - HP 14000

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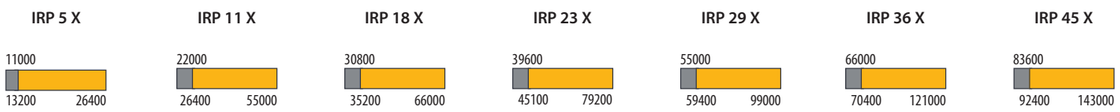


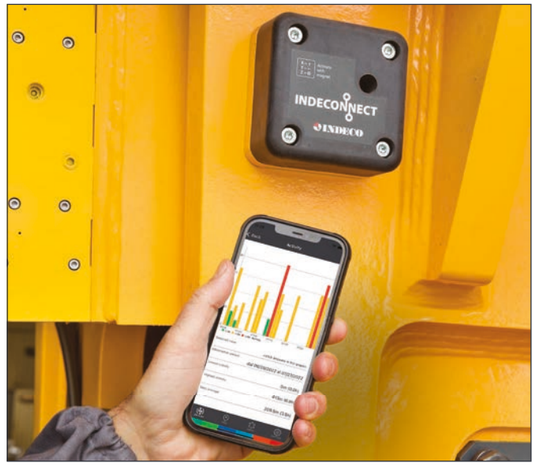
*match subject to approval by the Indeco dealer

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

			IFP	IRP
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		

IFP| Fixed pulverizers IRP| Rotating pulverizers

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

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Member of

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