

Pulverizers

IFP - Fixed

IRP - Rotating





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.

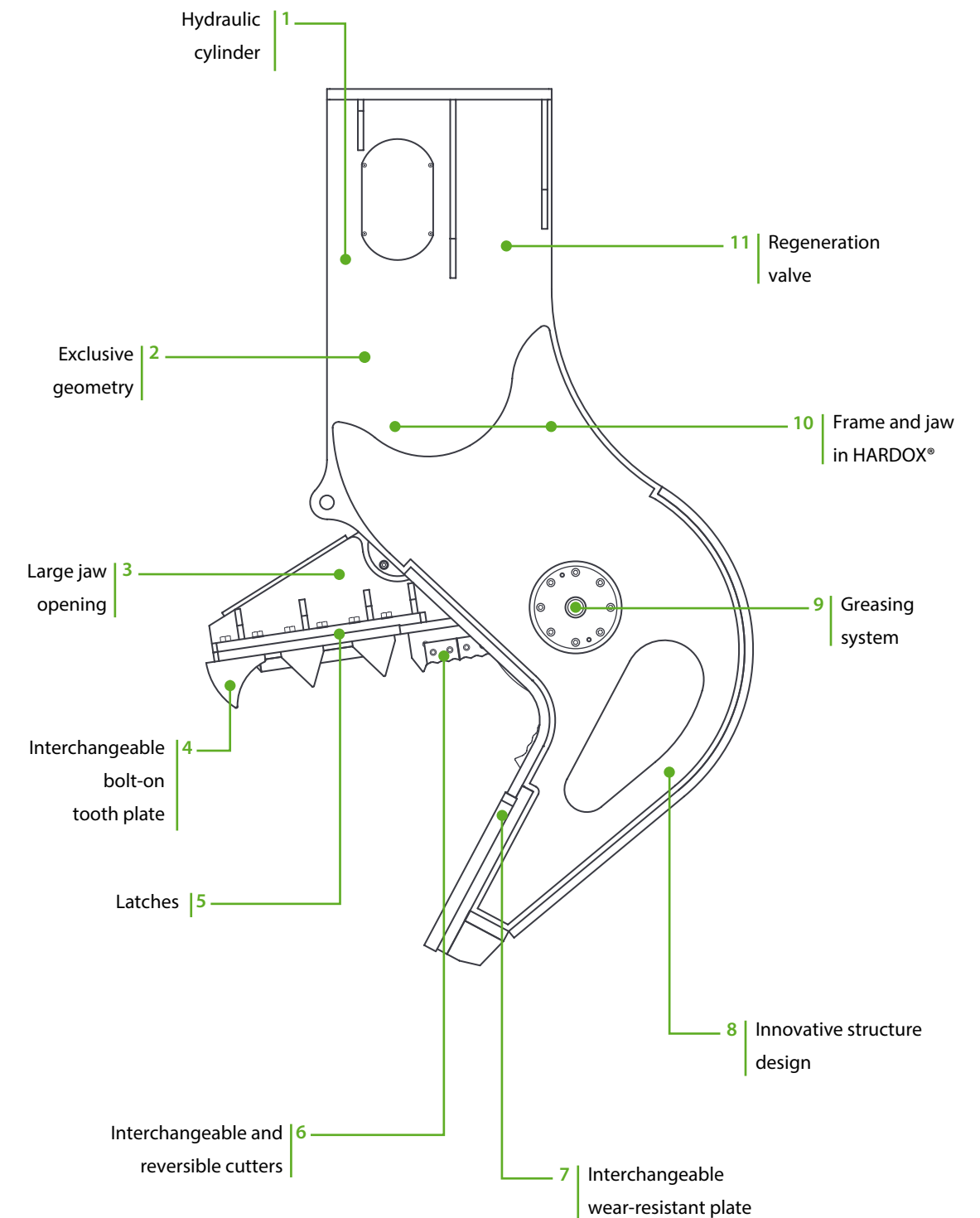
The centralised greasing system **|9|** improves the lubrication of moving mechanical parts.

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





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 tons	65 tons	80 tons
Maximum clamping force at shears	160 tons	210 tons	265 tons
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

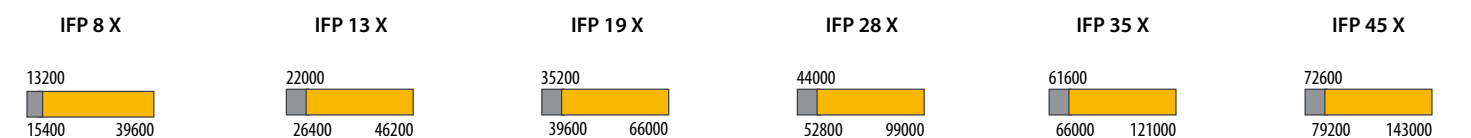
Technical Data	IFP 28 X	IFP 35 X	IFP 45 X
Type of carrier	4 5	5	5
Excavator weight	44000 ÷ 99000 lbs	61600 ÷ 121000 lbs	72600 ÷ 143000 lbs
Attachment operating weight*	6200 lbs	7600 lbs	10050 lbs
Max opening	39.5 in	47 in	51 in
Height	96.5 in	102 in	122.5 in
Width	61 in	64.5 in	75 in
Jaw width	20.5 in	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 tons	120 tons	150 tons
Maximum clamping force at shears	355 tons	380 tons	470 tons
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.

Carrier key



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



*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 tons	50 tons	65 tons	80 tons
Maximum clamping force at shears	130 tons	170 tons	210 tons	265 tons
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



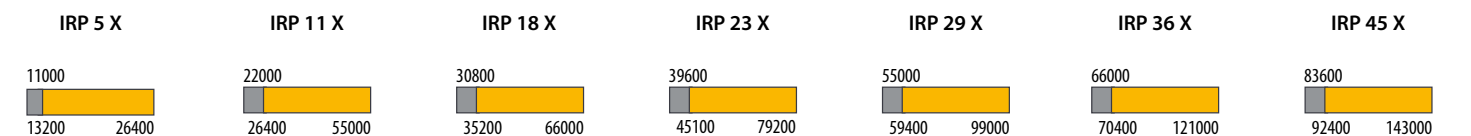
Tracked excavator

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 tons	105 tons	120 tons
Maximum clamping force at shears	325 tons	355 tons	380 tons
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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Compatibility Suggested uses on machines with an overall weight (in lbs):

Best Possible*



*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



Demolition & Renovation



Recycling

		IFP	IRP
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	○	○
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	Products	Weight	Products	Weight
IFP 8 X	1650 lbs	IHC 70	1000 lbs	ISS*** 20/30	8030 lbs
IFP 13 X	2900 lbs	IHC 75	1100 lbs	ISS*** 25/40	10560 lbs
IFP 19 X	4000 lbs	IHC 150	2150 lbs	ISS*** 30/50	13420 lbs
IFP 28 X	6200 lbs	IHC 250	2850 lbs	ISS*** 35/60	16720 lbs
IFP 35 X	7600 lbs	IHC R 50	950 lbs	ISS*** 45/90	22880 lbs
IFP 45 X	10050 lbs	IHC R 70	1400 lbs	IRC*** 20	6160 lbs
IRP 5 X	1300 lbs	IHC R 75	1500 lbs	IRC*** 30	9240 lbs
IRP 11 X	2550 lbs	IHC R 150	2650 lbs	IMH 3	650 lbs
IRP 18 X	3750 lbs	IHC R 250	3350 lbs	IMH 5	1180 lbs
IRP 23 X	5100 lbs	IMG S** 300	630 lbs	IMH 6	1220 lbs
IRP 29 X	6500 lbs	IMG S** 400	850 lbs	IMH 8	1310 lbs
IRP 36 X	7950 lbs	IMG S** 600	1300 lbs	IMH 10	1620 lbs
IRP 45 X	9900 lbs	IMG S** 1200	2550 lbs	IMH 14	2310 lbs
IMP* 15	3300 lbs	IMG S** 1700	3550 lbs	IMH 20	3300 lbs
IMP* 20	4600 lbs	IMG S** 2300	4800 lbs	IMH 28	3400 lbs
IMP* 25	5300 lbs	IMG S** 2800	5850 lbs	IMH 4.2 SS	3090 lbs
IMP* 35	7700 lbs	ISS*** 5/7	1250 lbs	IMH SG16	1850 lbs
IMP* 45	9900 lbs	ISS*** 8/13	2750 lbs	IMH SG20	1850 lbs
IHC 50	450 lbs	ISS*** 10/20	5280 lbs		

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

USA Version

EN

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