



## Pulverizers


IFP - Fixed

IRP - Rotating





# application areas

			IFP	IRP
<div></div> <div>Demolition &amp; renovation</div>	Light Demolition	<ul style="list-style-type: none"><li>• Demolition of masonry structures</li><li>• Brickwork</li><li>• Natural stone</li><li>• Renovation of interiors</li><li>• Autoclaved aerated concrete</li></ul>	<div>○</div> <div>○</div> <div>○</div> <div>○</div> <div>○</div>	<div>○</div> <div>○</div> <div>○</div> <div>○</div> <div>○</div>
	Demolition of non-reinforced concrete structures	<ul style="list-style-type: none"><li>• Primary demolition of lightweight and standard concrete</li><li>• Primary demolition of heavyweight concrete</li><li>• Wall Elements</li><li>• Secondary demolition</li></ul>	<div>○</div> <div>○</div> <div>○</div> <div>○</div>	<div>○</div> <div>○</div> <div>○</div> <div>○</div>
	Composite steel & concrete structure demolition	<ul style="list-style-type: none"><li>• Primary Demolition of Lightweight and Standard reinforced concrete</li><li>• Primary demolition of heavyweight steel - reinforced concrete</li><li>• Secondary Demolition floors, slabs and beams</li><li>• Separating rebars from pillars and struts</li><li>• Fiber-reinforced concrete</li><li>• Cutting rebars and steel reinforcements</li></ul>	<div>○</div> <div>○</div> <div></div> <div>○</div> <div>○</div> <div>○</div>	<div>○</div> <div>○</div> <div>○</div> <div>○</div> <div>○</div> <div>○</div>
	Demolition of metallic buildings and structures	<ul style="list-style-type: none"><li>• Demolition of refineries</li><li>• Cutting of Metal and steel structures</li><li>• Cutting steel girders/beams</li><li>• Cutting reinforcements</li></ul>		
	Sorting and Loading	<ul style="list-style-type: none"><li>• Sorting</li><li>• Loading</li><li>• Waste handling</li><li>• Site clean-up</li></ul>		
	Pavement demolition	<ul style="list-style-type: none"><li>• Asphalt</li><li>• Concrete</li><li>• Composite surfaces</li></ul>	<div>○</div> <div>○</div> <div>○</div>	<div>○</div> <div>○</div> <div>○</div>
<div></div> <div>Recycling</div>	Processing	<ul style="list-style-type: none"><li>• Scrap material processing</li><li>• Cutting tyres</li><li>• Processing rail cars</li><li>• Processing cars, trucks and general automotive</li><li>• Cutting tanks</li></ul>		
	Handling and sorting	<ul style="list-style-type: none"><li>• Scrap material handling</li><li>• Scrap material sorting</li><li>• Urban waste</li><li>• Industrial waste</li><li>• Wood and tyres</li></ul>		
	Downsizing and sorting	<ul style="list-style-type: none"><li>• Material downsizing and sorting in recycling quarries</li></ul>	<div>○</div>	<div>○</div>



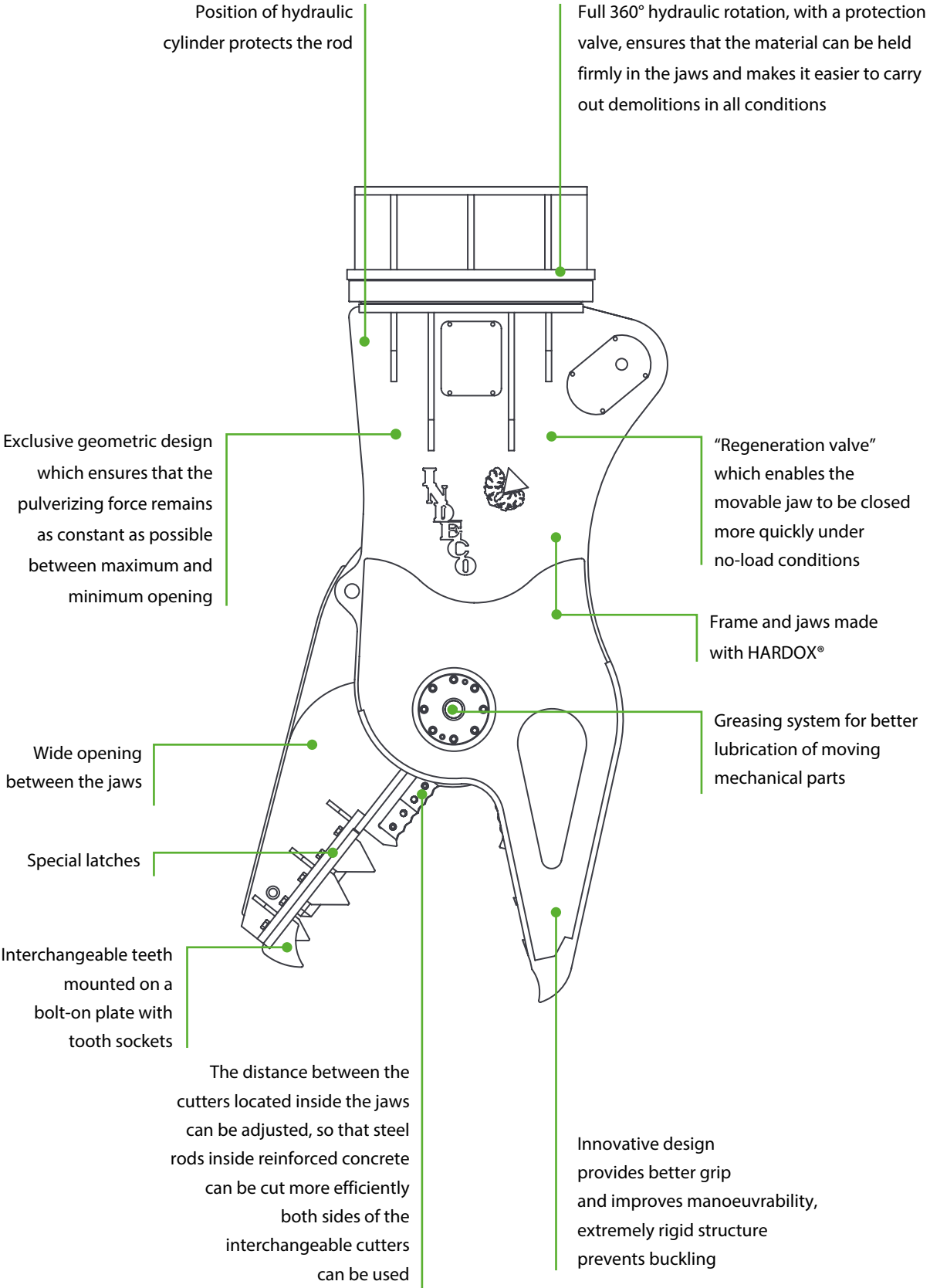
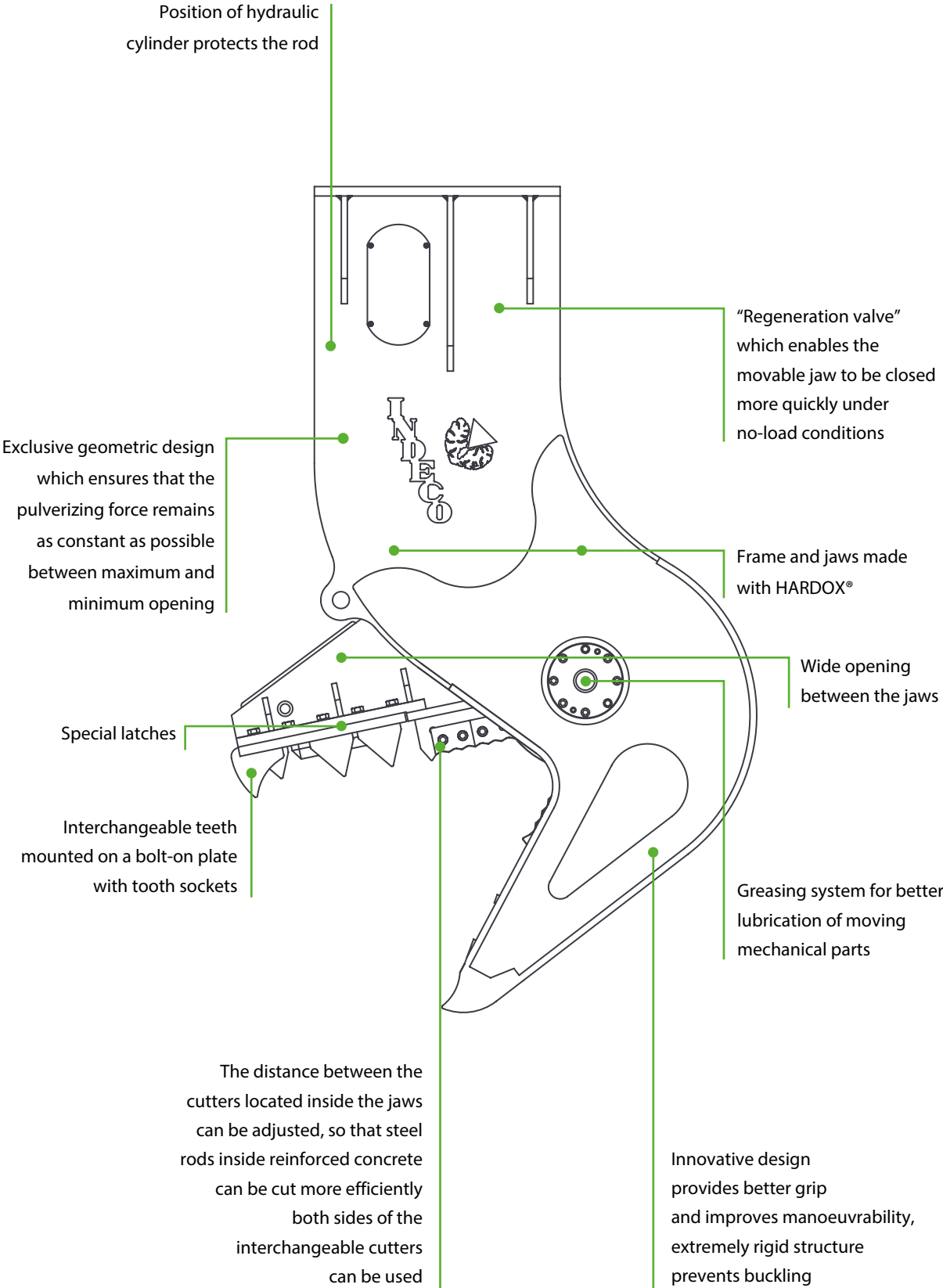
# IFP fixed and IRP rotating pulverizers

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® steel alloys, 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 pulverising 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





Technical Data	IFP 8 X	IFP 13 X	IFP 19 X
Type of carrier	1 4	1 4 5	4 5
Excavator weight	6 ÷ 18 tons	10 ÷ 21 tons	16 ÷ 30 tons
Attachment operating weight*	750 Kg	1300 Kg	1800 Kg
Max opening	650 mm	810 mm	900 mm
Height	1700 mm	1900 mm	2100 mm
Width	980 mm	1190 mm	1470 mm
Jaw width	345 mm	400 mm	450 mm
Oil delivery	80 ÷ 200 l/min	120 ÷ 200 l/min	140 ÷ 220 l/min
Maximum working pressure	350 bars	400 bars	400 bars
Maximum clamping force at tip	50 tons	65 tons	80 tons
Maximum clamping force at shears	160 tons	210 tons	265 tons
Shear length	100 mm	180 mm	240 mm
Max cutting diameter	40 mm	40 mm	45 mm
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 1200	HP 2000 - HP 2500	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.

\*\*without regeneration valve



Technical Data	IFP 28 X	IFP 35 X	IFP 45 X
Type of carrier	4 5	5	5
Excavator weight	20 ÷ 45 tons	28 ÷ 55 tons	33 ÷ 65 tons
Attachment operating weight*	2800 Kg	3450 Kg	4400 Kg
Max opening	1000 mm	1190 mm	1290 mm
Height	2440 mm	2590 mm	2850 mm
Width	1540 mm	1630 mm	1800 mm
Jaw width	520 mm	560 mm	610 mm
Oil delivery	150 ÷ 250 l/min	180 ÷ 260 l/min	180 ÷ 300 l/min
Maximum working pressure	400 bars	400 bars	400 bars
Maximum clamping force at tip	105 tons	120 tons	135 tons
Maximum clamping force at shears	355 tons	380 tons	410 tons
Shear length	240 mm	240 mm	360 mm
Max cutting diameter	50 mm	50 mm	50 mm
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 5000	HP 7000 - HP 9000	HP 7000 - HP 9000

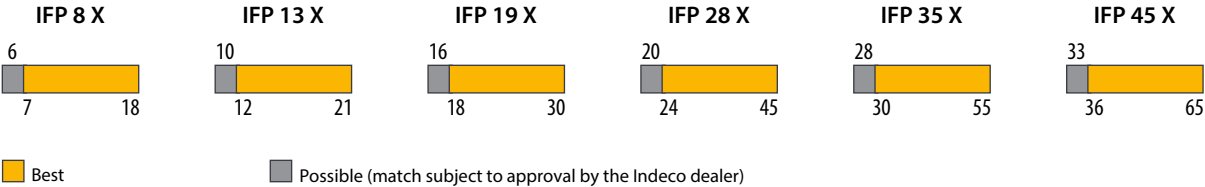
N.B. All illustrations and numerical data in this catalog are purely indicative and subject to change at our discretion and without notice. We therefore reserve the right to modify them with a view to improving and continuously developing our product.

Carrier key



## compatibility

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





Technical Data	IRP 11 X	IRP 18 X	IRP 23 X
Type of carrier	1 4 5	4 5	4 5
Excavator weight	10 ÷ 25 tons	14 ÷ 30 tons	18 ÷ 36 tons
Attachment operating weight*	1150 Kg	1700 Kg	2300 Kg
Max opening	660 mm	820 mm	900 mm
Height	1860 mm	2280 mm	2510 mm
Width	1000 mm	1300 mm	1450 mm
Jaw width	340 mm	410 mm	450 mm
Oil delivery	80 ÷ 200 l/min	120 ÷ 200 l/min	140 ÷ 220 l/min
Maximum working pressure	350 bars	400 bars	400 bars
Maximum clamping force at tip	50 tons	65 tons	80 tons
Maximum clamping force at shears	170 tons	210 tons	265 tons
Shear length	100 mm	180 mm	240 mm
Max cutting diameter	40 mm	40 mm	45 mm
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"
Maximum rotation flow	20 l/min	25 l/min	25 l/min
Maximum rotation pressure	110 bars	110 bars	110 bars
Hydraulic connections for rotation	3/8"	1/2"	1/2"
Mounting bracket compatibility	HP 1200	HP 2000 - HP 2500	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.

\*\*without regeneration valve

Carrier key

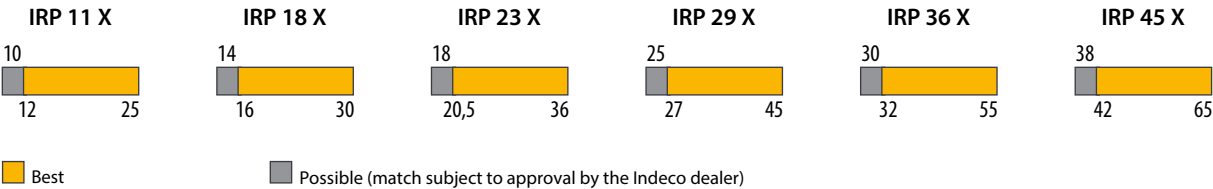


Technical Data	IRP 29 X	IRP 36 X	IRP 45 X
Type of carrier	5	5	5
Excavator weight	25 ÷ 45 tons	30 ÷ 55 tons	38 ÷ 65 tons
Attachment operating weight*	2950 Kg	3600 Kg	4500 Kg
Max opening	960 mm	1050 mm	1150 mm
Height	2645 mm	2800 mm	3150 mm
Width	1470 mm	1480 mm	1650 mm
Jaw width	490 mm	520 mm	570 mm
Oil delivery	150 ÷ 250 l/min	150 ÷ 250 l/min	180 ÷ 300 l/min
Maximum working pressure	400 bars	400 bars	400 bars
Maximum clamping force at tip	95 tons	105 tons	120 tons
Maximum clamping force at shears	325 tons	355 tons	380 tons
Shear length	240 mm	240 mm	240 mm
Max cutting diameter	50 mm	50 mm	50 mm
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	30 l/min	30 l/min	30 l/min
Maximum rotation pressure	110 bars	110 bars	110 bars
Hydraulic connections for rotation	1/2"	1/2"	1/2"
Mounting bracket compatibility	HP 5000	HP 7000 - HP 9000	HP 7000 - HP 9000

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compatibility

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



The full range of other Indeco products

Products		Weight		Products		Weight	
IFP	8 X	750	Kg	IHC	150	970	Kg
IFP	13 X	1300	Kg	IHC	250	1280	Kg
IFP	19 X	1800	Kg	IHC R	50	425	Kg
IFP	28 X	2800	Kg	IHC R	70	630	Kg
IFP	35 X	3450	Kg	IHC R	75	670	Kg
IFP	45 X	4400	Kg	IHC R	150	1185	Kg
IRP	11 X	1150	Kg	IHC R	250	1520	Kg
IRP	18 X	1700	Kg	IMG S**	400	380	Kg
IRP	23 X	2300	Kg	IMG S**	600	570	Kg
IRP	29 X	2950	Kg	IMG S**	1200	1140	Kg
IRP	36 X	3600	Kg	IMG S**	1700	1610	Kg
IRP	45 X	4500	Kg	IMG S**	2300	2180	Kg
IMP*	15	1500	Kg	IMG S**	2800	2650	Kg
IMP*	20	2080	Kg	ISS***	10/20	2400	Kg
IMP*	25	2400	Kg	ISS***	20/30	3650	Kg
IMP*	35	3500	Kg	ISS***	25/40	4800	Kg
IMP*	45	4500	Kg	ISS***	30/50	6100	Kg
IHC	50	200	Kg	ISS***	35/60	7800	Kg
IHC	70	445	Kg	ISS***	45/90	10400	Kg
IHC	75	485	Kg				

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

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