

Multiprocessor

IMP Series





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 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 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.

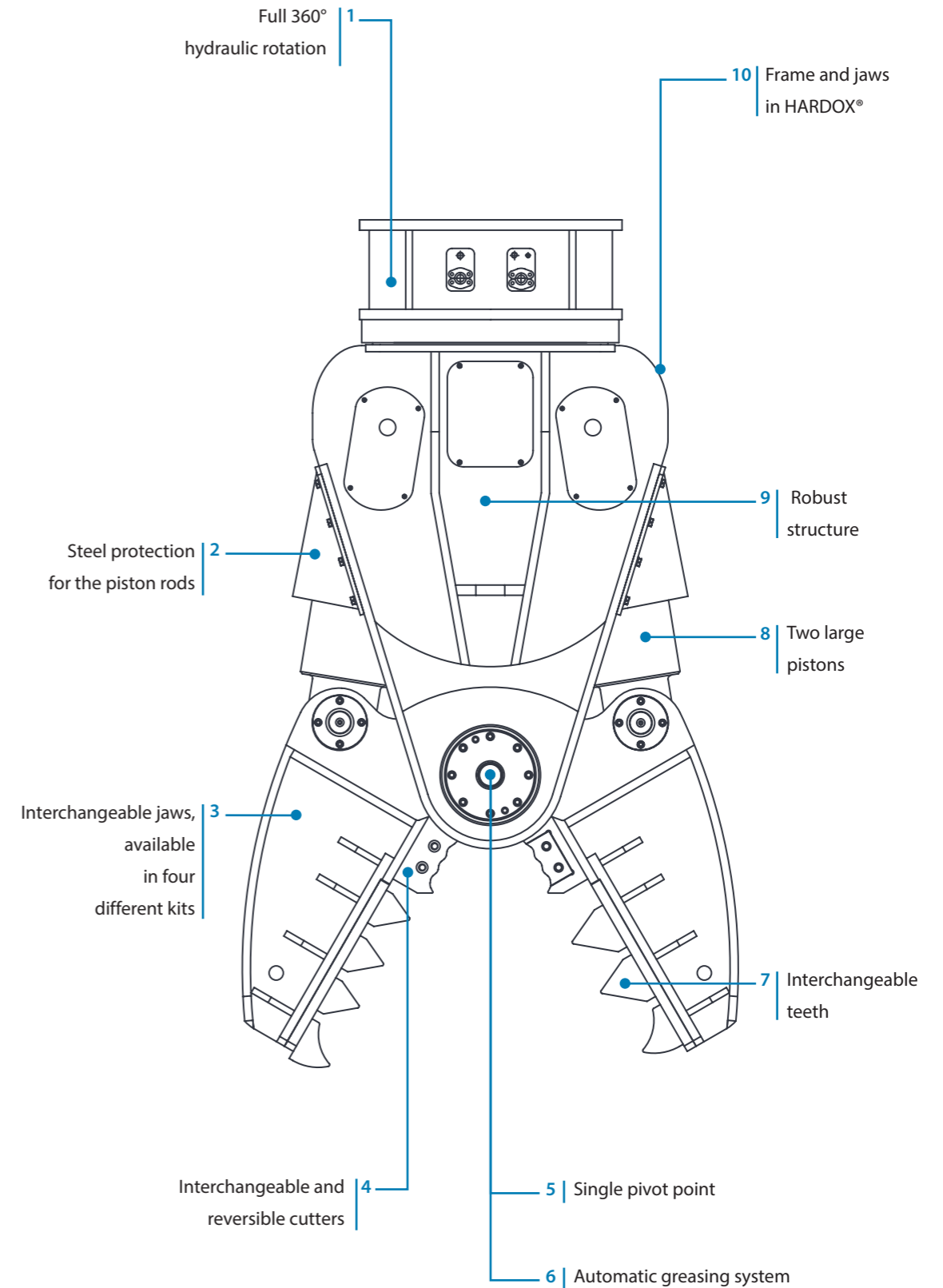
The single pivot point **[5]** makes maintenance and tool kit replacement quicker and more effective.

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*	12 ÷ 24 tons	17 ÷ 36 tons	20 ÷ 45 tons
Width	425 mm	475 mm	495 mm
Oil delivery	150 ÷ 250 l/min	180 ÷ 250 l/min	200 ÷ 300 l/min
Maximum pressure at cylinders	350 bars	350 bars	350 bars
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	20 l/min	25 l/min	25 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 2000 - HP 2500	HP 3000 ÷ HP 4000	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.



Technical Data	IMP 35	IMP 45
Type of carrier	5	5
Excavator weight*	28 ÷ 55 tons	38 ÷ 65 tons
Width	590 mm	640 mm
Oil delivery	220 ÷ 320 l/min	270 ÷ 370 l/min
Maximum pressure at cylinders	350 bars	350 bars
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	30 l/min	30 l/min
Maximum rotation pressure	110 bars	110 bars
Hydraulic connections for rotation	1/2"	1/2"
Mounting bracket compatibility	HP 5000	HP 7000 - HP 9000

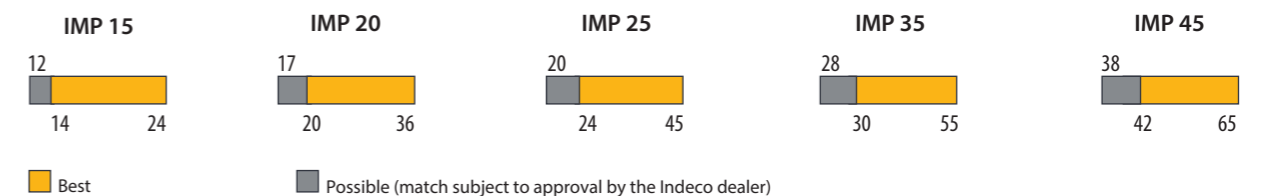
N.B. All illustrations and numerical data in this catalog are purely indicative and subject to change at our discretion and without notice. We therefore reserve the right to modify them with a view to improving and continuously developing our product.

Carrier key



Compatibility

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



Jaw technical data

Jaws for IMP 15	Crusher	Pulverizer	Shear	Combi Cutter
Operating weight*	1500 Kg	1500 Kg	1600 Kg	1600 Kg
Height	1900 mm	1860 mm	1950 mm	1900 mm
Maximum opening	815 mm	720 mm	450 mm	860 mm
Jaw depth	595 mm	575 mm	500 mm	670 mm
Cutter blade length	120 mm	120 mm	490 mm	230 mm
Max clamping force at tip	50 tons	50 tons	55 tons	50 tons
Maximum clamping force at shears	230 tons	225 tons	220 tons	230 tons

Jaws for IMP 20	Crusher	Pulverizer	Shear	Combi Cutter
Operating weight*	2080 Kg	2080 Kg	2200 Kg	2200 Kg
Height	2120 mm	2070 mm	2170 mm	2150 mm
Maximum opening	910 mm	800 mm	500 mm	960 mm
Jaw depth	660 mm	640 mm	550 mm	750 mm
Cutter blade length	120 mm	120 mm	540 mm	230 mm
Max clamping force at tip	60 tons	65 tons	70 tons	60 tons
Maximum clamping force at shears	270 tons	280 tons	270 tons	270 tons

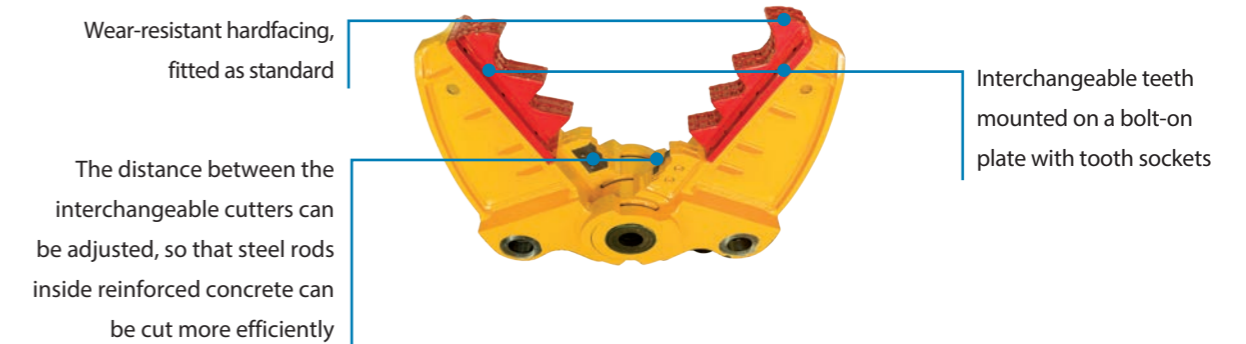
Jaws for IMP 25	Crusher	Pulverizer	Shear	Combi Cutter
Operating weight*	2400 Kg	2450 Kg	2600 Kg	2600 Kg
Height	2290 mm	2280 mm	2340 mm	2300 mm
Maximum opening	1050 mm	850 mm	550 mm	1100 mm
Jaw depth	760 mm	700 mm	620 mm	860 mm
Cutter blade length	180 mm	180 mm	600 mm	345 mm
Max clamping force at tip	95 tons	90 tons	90 tons	95 tons
Maximum clamping force at shears	340 tons	340 tons	330 tons	340 tons

Jaws for IMP 35	Crusher	Pulverizer	Shear	Combi Cutter
Operating weight*	3500 Kg	3600 Kg	3700 Kg	3700 Kg
Height	2450 mm	2500 mm	2515 mm	2450 mm
Maximum opening	1150 mm	1050 mm	640 mm	1200 mm
Jaw depth	860 mm	870 mm	710 mm	970 mm
Cutter blade length	180 mm	180 mm	660 mm	460 mm
Max clamping force at tip	110 tons	110 tons	120 tons	110 tons
Maximum clamping force at shears	390 tons	430 tons	420 tons	390 tons

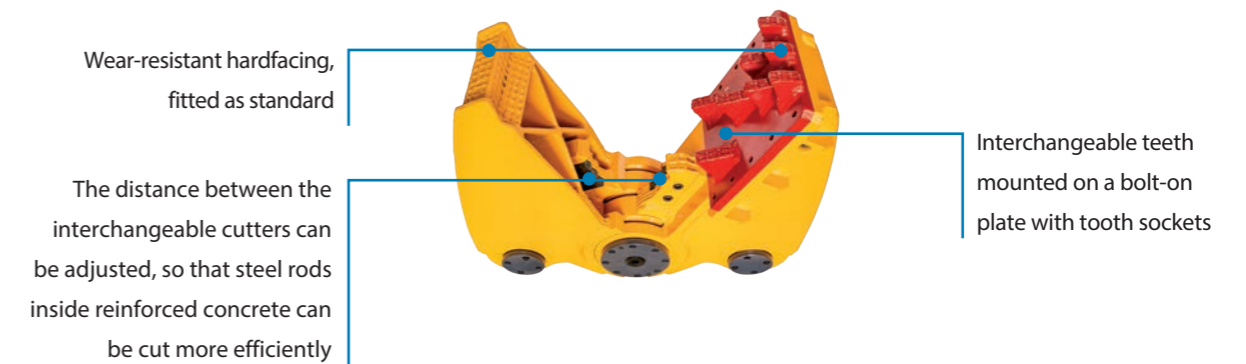
Jaws for IMP 45	Crusher	Pulverizer	Shear	Combi Cutter
Operating weight*	4500 Kg	4700 Kg	4900 Kg	4900 Kg
Height	2660 mm	2730 mm	2760 mm	2700 mm
Maximum opening	1250 mm	1150 mm	700 mm	1300 mm
Jaw depth	930 mm	950 mm	780 mm	1050 mm
Cutter blade length	180 mm	180 mm	720 mm	460 mm
Max clamping force at tip	130 tons	130 tons	140 tons	130 tons
Maximum clamping force at shears	460 tons	480 tons	460 tons	460 tons

*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.

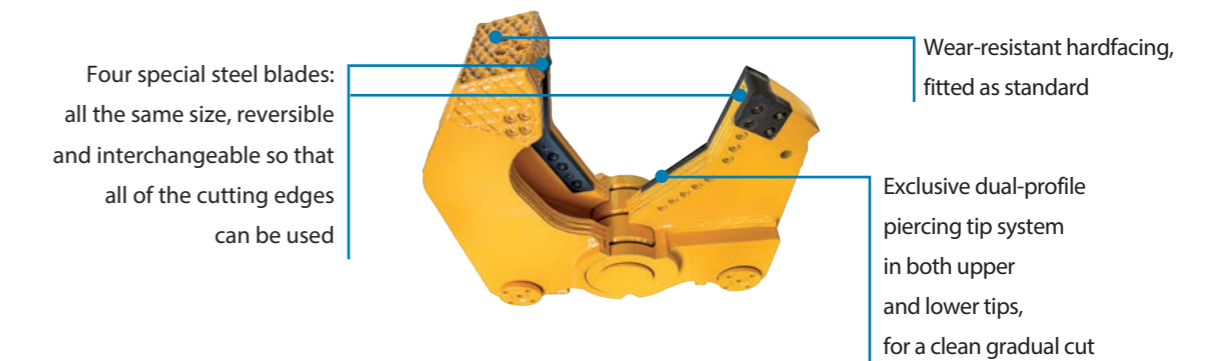
IMP - crusher configuration



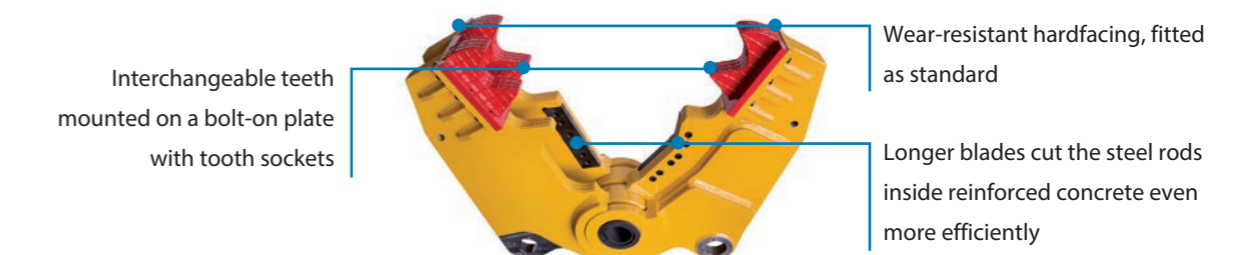
IMP - pulverizer configuration



IMP - shear configuration










IMP - Combi Cutter configuration










Appetite guide

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








Shear for IMP 15

Type	UNI	Type	UNI
	UPN 100		HEA 100 mm
	90x90x8 mm		6 mm
	88,9x7,1 mm		40 mm
	IPE 120 mm		








Shear for IMP 20

Type	UNI	Type	UNI
	UPN 120		HEA 100 mm
	110x110x10 mm		8 mm
	101,6x6,3 mm		45 mm
	IPE 140 mm		








Shear for IMP 25

Type	UNI	Type	UNI
	UPN 160		HEA 120 mm
	120x120x12 mm		10 mm
	114,3x8 mm		50 mm
	IPE 180 mm		

Shear for IMP 35

Type	UNI	Type	UNI
	UPN 180		HEA 140 mm
	130x130x12 mm		13 mm
	121x10 mm		55 mm
	IPE 200 mm		

Shear for IMP 45

Type	UNI	Tipo	UNI
	UPN 200		HEA 160 mm
	150x150x12 mm		16 mm
	139,7x8 mm		60 mm
	IPE 220 mm		



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.

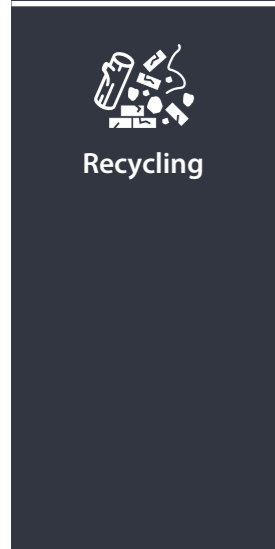


Application areas



Demolition & renovation

		IMP
Light Demolition	• Demolition of masonry structures	<input type="radio"/>
	• Brickwork	<input type="radio"/>
	• Natural stone	<input type="radio"/>
	• Renovation of interiors	<input type="radio"/>
	• Autoclaved aerated concrete	<input type="radio"/>
Demolition of non-reinforced concrete structures	• Primary demolition of lightweight and standard concrete	<input type="radio"/>
	• Primary demolition of heavyweight concrete	<input type="radio"/>
	• Wall elements	<input type="radio"/>
	• Secondary demolition	<input type="radio"/>
Composite steel & concrete structure demolition	• Primary Demolition of Lightweight and Standard reinforced concrete	<input type="radio"/>
	• Primary demolition of heavyweight steel - reinforced concrete	<input type="radio"/>
	• Secondary Demolition floors, slabs and beams	<input type="radio"/>
	• Separating rebars from pillars and struts	<input type="radio"/>
	• Fiber-reinforced concrete	<input type="radio"/>
	• Cutting rebars and steel reinforcements	<input type="radio"/>
Demolition of metallic buildings and structures	• Demolition of refineries	<input type="radio"/>
	• Cutting of Metal and steel structures	<input type="radio"/>
	• Cutting steel girders/beams	<input type="radio"/>
	• Cutting reinforcements	<input type="radio"/>
Sorting and Loading	• Sorting	
	• Loading	
	• Waste handling	
	• Site clean-up	
Pavement demolition	• Asphalt	<input type="radio"/>
	• Concrete	<input type="radio"/>
	• Composite surfaces	<input type="radio"/>



Recycling

Processing	• Scrap material processing	
	• Cutting tyres	
	• Processing rail cars	
	• Processing cars, trucks and general automotive	
	• Cutting tanks	
Handling and sorting	• Cutting of railway tracks, tramway rails, and underground rails	
	• Scrap material handling	
	• Scrap material sorting	
	• Urban waste	
Downsizing and sorting	• Industrial waste	
	• Wood and tyres	
	• Material downsizing and sorting in recycling quarries	<input type="radio"/>
Recycling of ferrous material	• Recycling of ferrous material	



The full range of other Indeco products

Products		Weight		Products		Weight		Products		Weight	
IFP	8 X	750	Kg	IHC	70	445	Kg	ISS***	20/30	3650	Kg
IFP	13 X	1300	Kg	IHC	75	485	Kg	ISS***	25/40	4800	Kg
IFP	19 X	1800	Kg	IHC	150	970	Kg	ISS***	30/50	6100	Kg
IFP	28 X	2800	Kg	IHC	250	1280	Kg	ISS***	35/60	7600	Kg
IFP	35 X	3450	Kg	IHC R	50	425	Kg	ISS***	45/90	10400	Kg
IFP	45 X	4550	Kg	IHC R	70	630	Kg	IRC***	20	2800	Kg
IRP	5 X	570	Kg	IHC R	75	670	Kg	IRC***	30	4200	Kg
IRP	11 X	1150	Kg	IHC R	150	1185	Kg	IMH	3	295	Kg
IRP	18 X	1700	Kg	IHC R	250	1520	Kg	IMH	5	535	Kg
IRP	23 X	2300	Kg	IMG S**	300	285	Kg	IMH	6	555	Kg
IRP	29 X	2950	Kg	IMG S**	400	380	Kg	IMH	8	595	Kg
IRP	36 X	3600	Kg	IMG S**	600	570	Kg	IMH	10	735	Kg
IRP	45 X	4500	Kg	IMG S**	1200	1140	Kg	IMH	14	1045	Kg
IMP*	15	1500	Kg	IMG S**	1700	1610	Kg	IMH	20	1495	Kg
IMP*	20	2080	Kg	IMG S**	2300	2180	Kg	IMH	28	1540	Kg
IMP*	25	2400	Kg	IMG S**	2800	2650	Kg	IMH	4.2 SS	1400	Kg
IMP*	35	3500	Kg	ISS***	5/7	570	Kg	IMH	SG16	840	Kg
IMP*	45	4500	Kg	ISS***	8/13	1250	Kg	IMH	SG20	840	Kg
IHC	50	200	Kg	ISS***	10/20	2400	Kg				

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



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