

Pulverizers



IFP - Fixed

IRP - Rotating

 **INDECO**
A TOOL FOR EVERY JOB



Application areas

			IFP	IRP
<div></div> <div>Demolition & Renovation</div>	Light demolition	<ul style="list-style-type: none">Demolition of masonry structuresBrickworkNatural stoneRenovation of interiorsAutoclaved aerated concrete	<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">Primary demolition of lightweight and standard concretePrimary demolition of heavyweight concreteWall elementsSecondary demolition	<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">Primary demolition of lightweight and standard reinforced concretePrimary demolition of heavyweight steel - reinforced concreteSecondary demolition floors, slabs and beamsSeparating rebars from pillars and strutsFiber-reinforced concreteCutting rebars and steel reinforcements	<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">Demolition of refineriesCutting of metal and steel structuresCutting steel girders/beamsCutting reinforcements		
	Sorting and loading	<ul style="list-style-type: none">SortingLoadingWaste handlingSite clean-up		
	Pavement demolition	<ul style="list-style-type: none">AsphaltConcreteComposite surfaces	<div>○</div> <div>○</div> <div>○</div>	<div>○</div> <div>○</div> <div>○</div>
	Processing	<ul style="list-style-type: none">Scrap material processingCutting tiresProcessing rail carsProcessing cars, trucks and general automotiveCutting tanks		
	Handling and sorting	<ul style="list-style-type: none">Scrap material handlingScrap material sortingUrban wasteIndustrial wasteWood and tires		
	Downsizing and sorting	<ul style="list-style-type: none">Material downsizing and sorting in recycling quarries	<div>○</div>	<div>○</div>
<div></div> <div>Recycling</div>				

IFP| Fixed pulverizers

IRP| Rotating pulverizers

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.

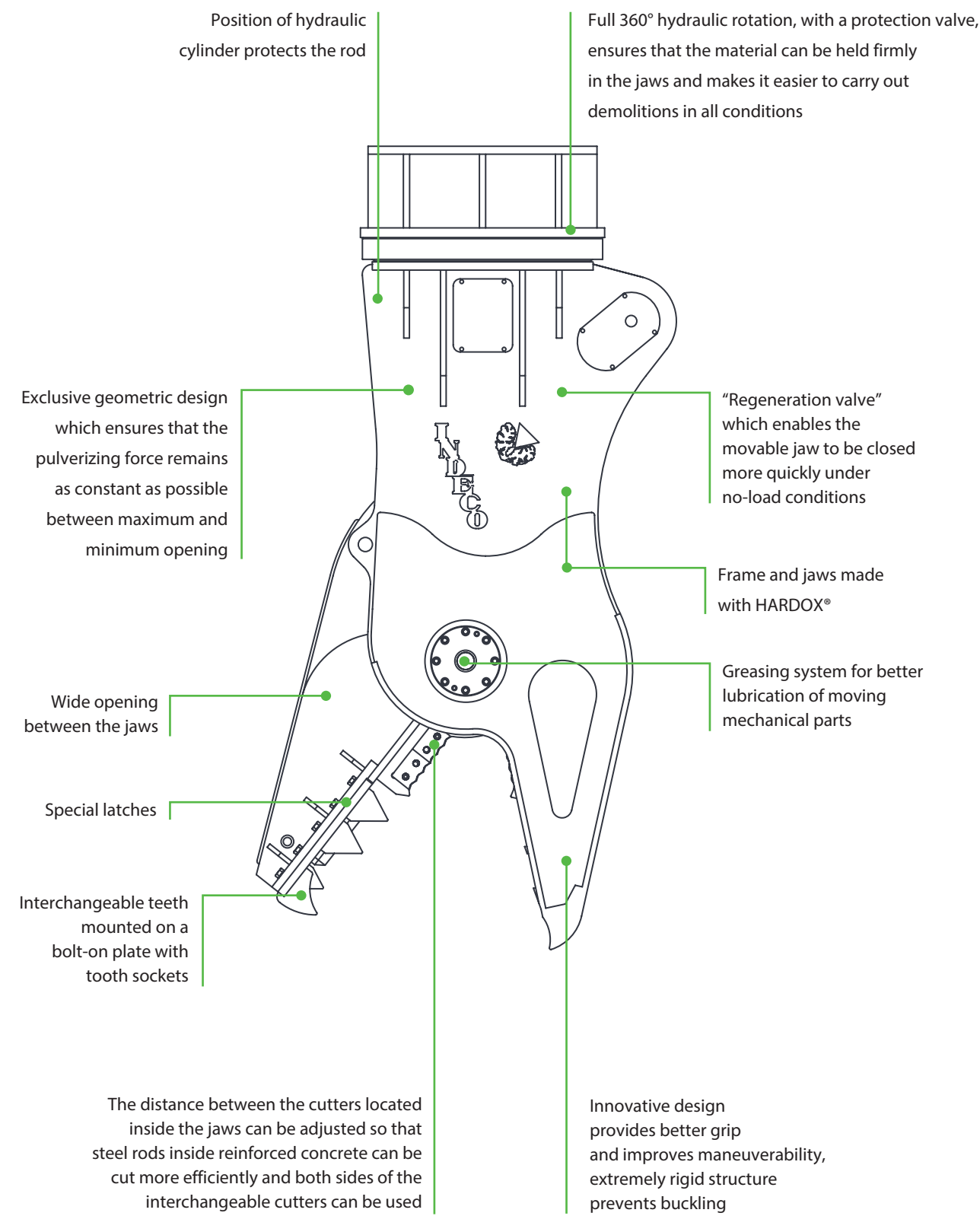
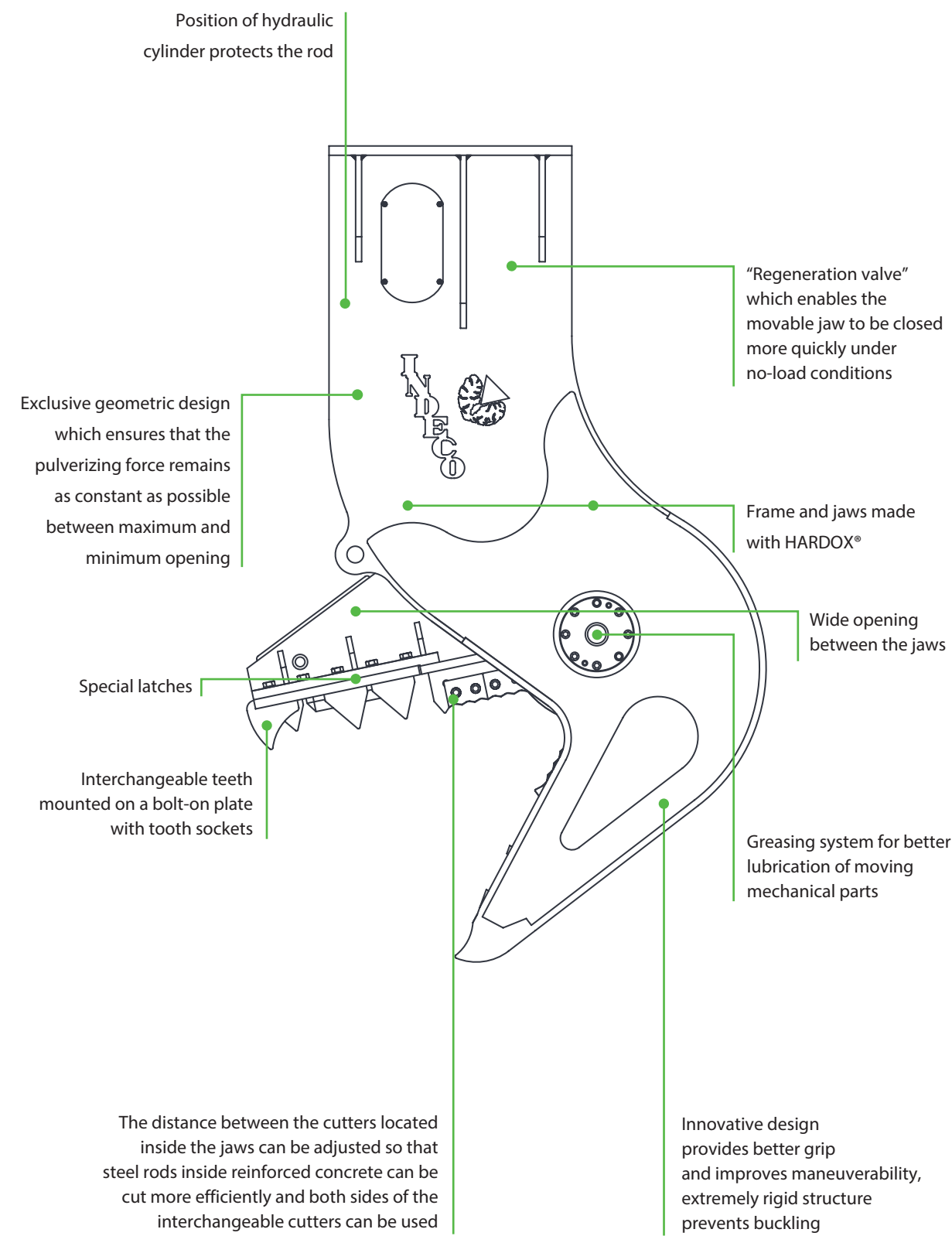
The IFP fixed versions are perfect for the secondary demolition of reinforced concrete materials and structures, and for recycling after separating the concrete from the steel rods.

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





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

Carrier key



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.

Compatibility

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

Best Possible*



*match subject to approval by the Indeco deale



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

1

2

3

4

5

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*

IRP 5 X

11000

1320026400

IRP 11 X

22000

2640055000

IRP 18 X

30800

3520066000

IRP 23 X

39600

4510079200

IRP 29 X

55000

5940099000

IRP 36 X

66000

70400121000

IRP 45 X

83600

92400143000

*match subject to approval by the Indeco deale

The full range of other Indeco products

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

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

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