



Pulverizers

IFP - Fixed

IRP - Rotating



Application areas

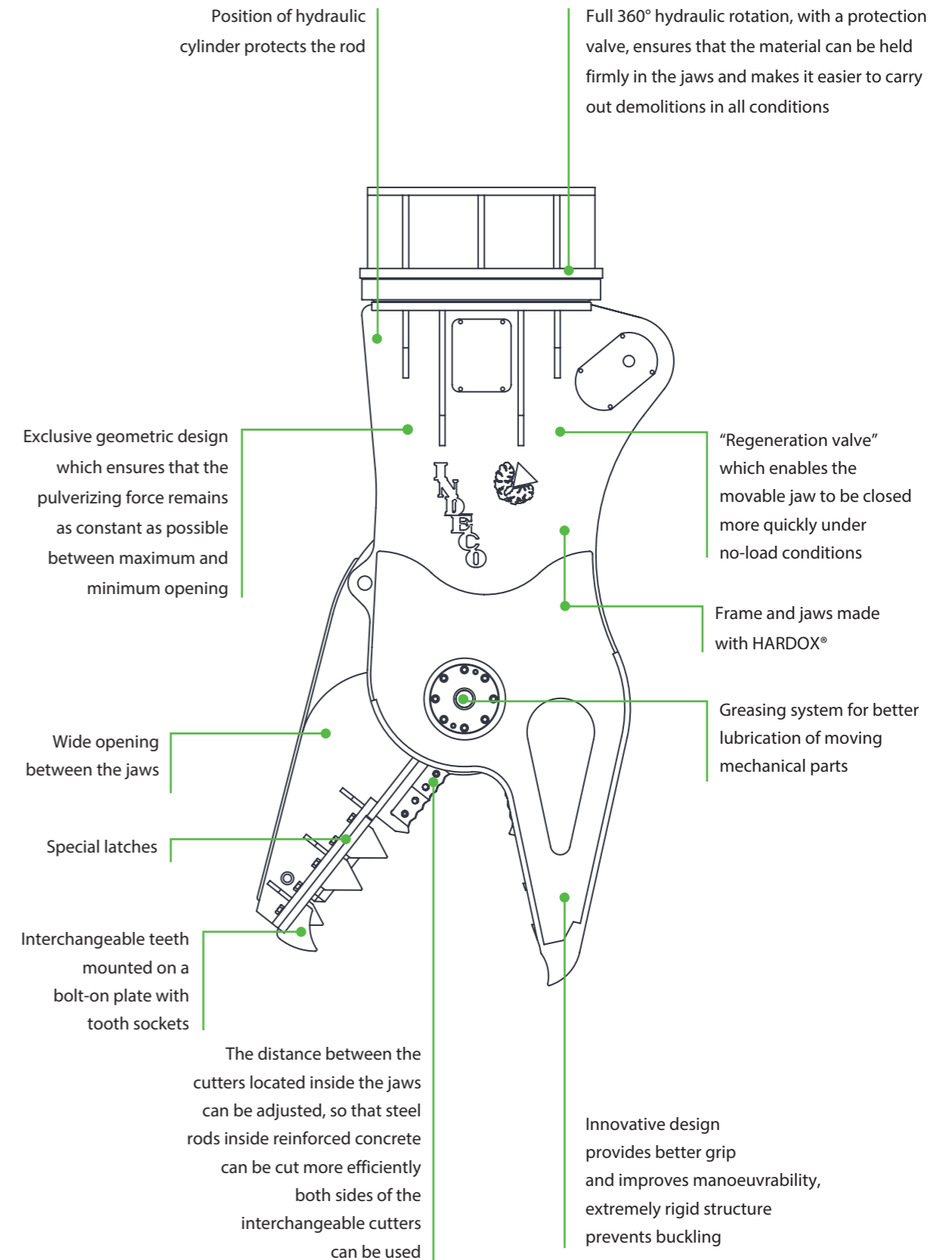
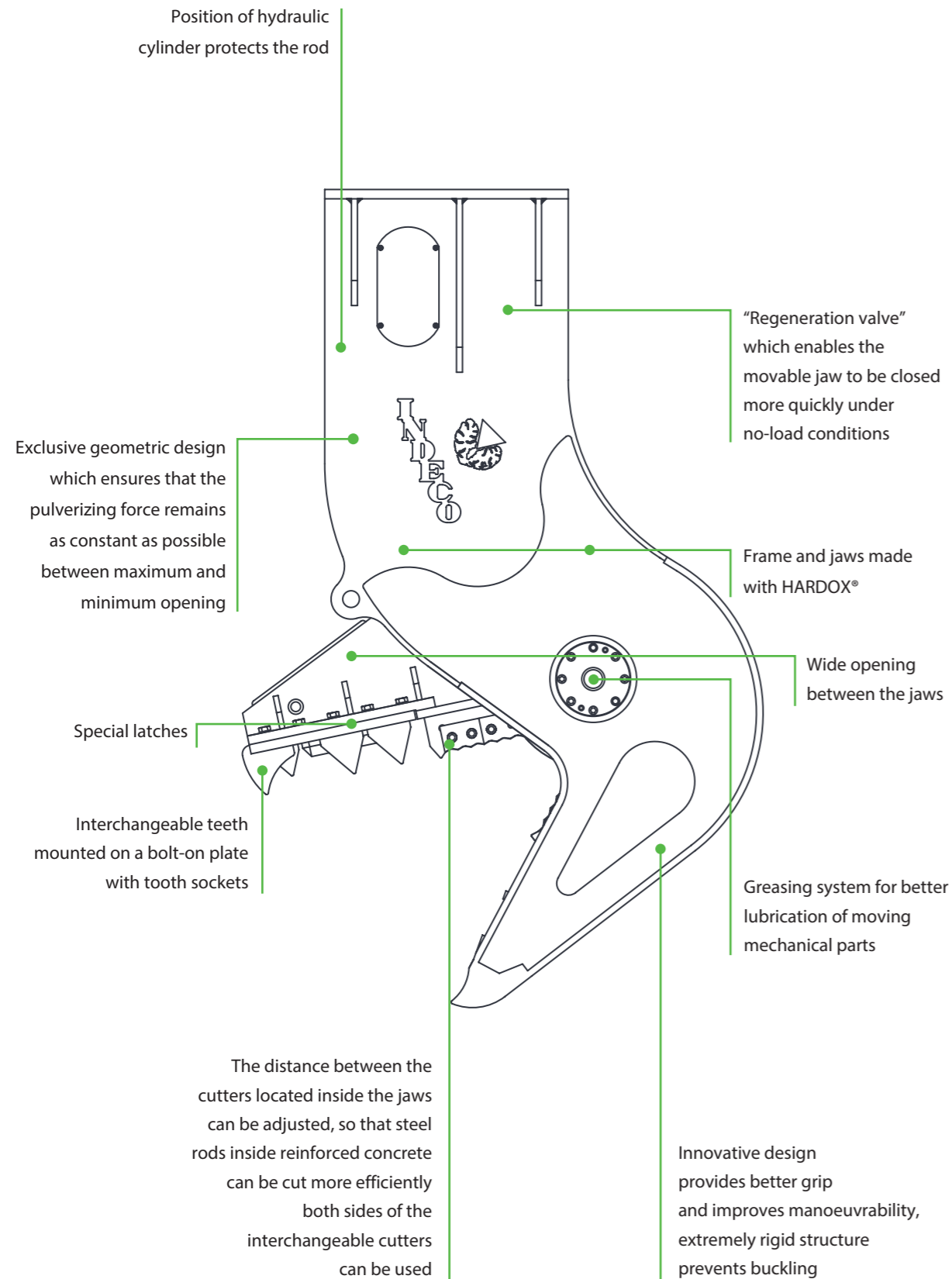
| | | IFP | IRP | |
|---|---|--|---|---|
|  Demolition & renovation | Light Demolition | <ul style="list-style-type: none"> Demolition of masonry structures Brickwork Natural stone Renovation of interiors Autoclaved aerated concrete | <input type="radio"/> <input type="radio"/> <input type="radio"/>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

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 | 350 bars | 350 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 | 4550 Kg |
| Max opening | 1000 mm | 1190 mm | 1290 mm |
| Height | 2440 mm | 2590 mm | 3100 mm |
| Width | 1540 mm | 1630 mm | 1900 mm |
| Jaw width | 520 mm | 560 mm | 600 mm |
| Oil delivery | 150 ÷ 250 l/min | 180 ÷ 260 l/min | 180 ÷ 300 l/min |
| Maximum working pressure | 350 bars | 350 bars | 350 bars |
| Maximum clamping force at tip | 105 tons | 120 tons | 150 tons |
| Maximum clamping force at shears | 355 tons | 380 tons | 470 tons |
| Shear length | 240 mm | 240 mm | 240 mm |
| Max cutting diameter | 50 mm | 50 mm | 60 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 |

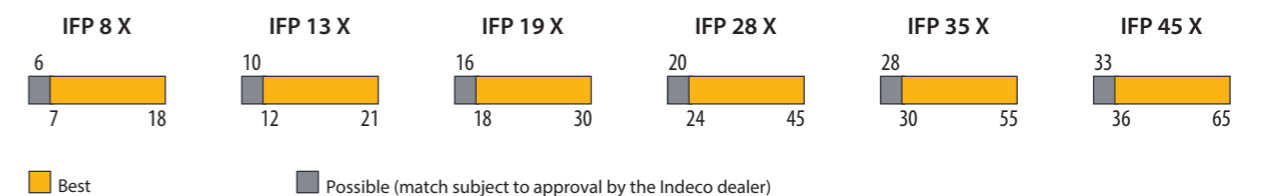
N.B. All illustrations and numerical data in this catalog are purely indicative and subject to change at our discretion and without notice. We therefore reserve the right to modify them with a view to improving and continuously developing our product.

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 | 1/2" | 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



Compact excavator



Miniloader



Backhoe loader



Wheeled excavator



Tracked excavator



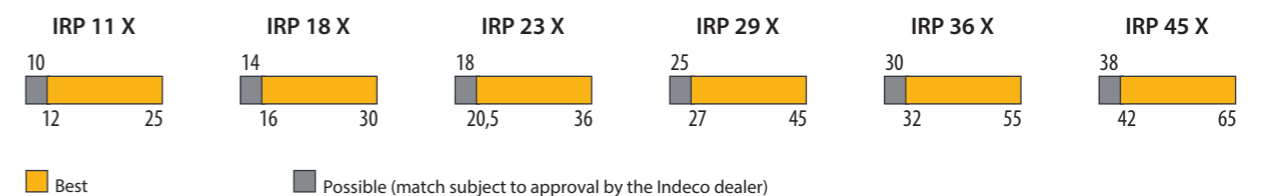
Technical Data

| | IRP 29 X | IRP 36 X | IRP 45 X |
|------------------------------------|-----------------|-------------------|-------------------|
| Type of carrier | 5 | 5 | 5 |
| Excavator weight | 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 | 4550 | 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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