



 **INDECO**  
YOUR PARTNERS IN DEMOLITION

HP series  
hydraulic breakers

# Indeco breakers

Indeco provides the greatest high-tech solutions for your demolitions needs, wherever you are in the world. In-depth research into hydraulic systems, materials, heat treatment and accessories have enabled our company to establish a reputation on the world markets for product excellence.

## Features of Indeco breakers

With its many different models, divided into **large, medium and small** and available in various versions, Indeco has the widest range of breakers available anywhere in the world. This provides end-users with a huge choice, ensuring that they can find the ideal breaker/excavator match.

All Indeco breakers have a special **intelligent hydraulic system**, enabling them to automatically vary the energy and frequency of the blows according to the hardness of the material being demolished. This optimises the hydraulic pressure delivered by the machine, thus improving productivity and enhancing the overall performance.

The use of special **low-alloy steels**, exclusively manufactured according to Indeco's own formula greatly lengthen the average working life of the most important breaker components.

All machines which mount Indeco breakers will benefit from the Indeco **dual shock-absorption system**: an internal hydraulic one and a mechanical one, located outside the body, which substantially reduce the vibrations transmitted to the excavator. The excavator boom is also subject to lower stress levels, as Indeco breakers are **considerably**

**lighter** under working conditions than rival makes in the same class.

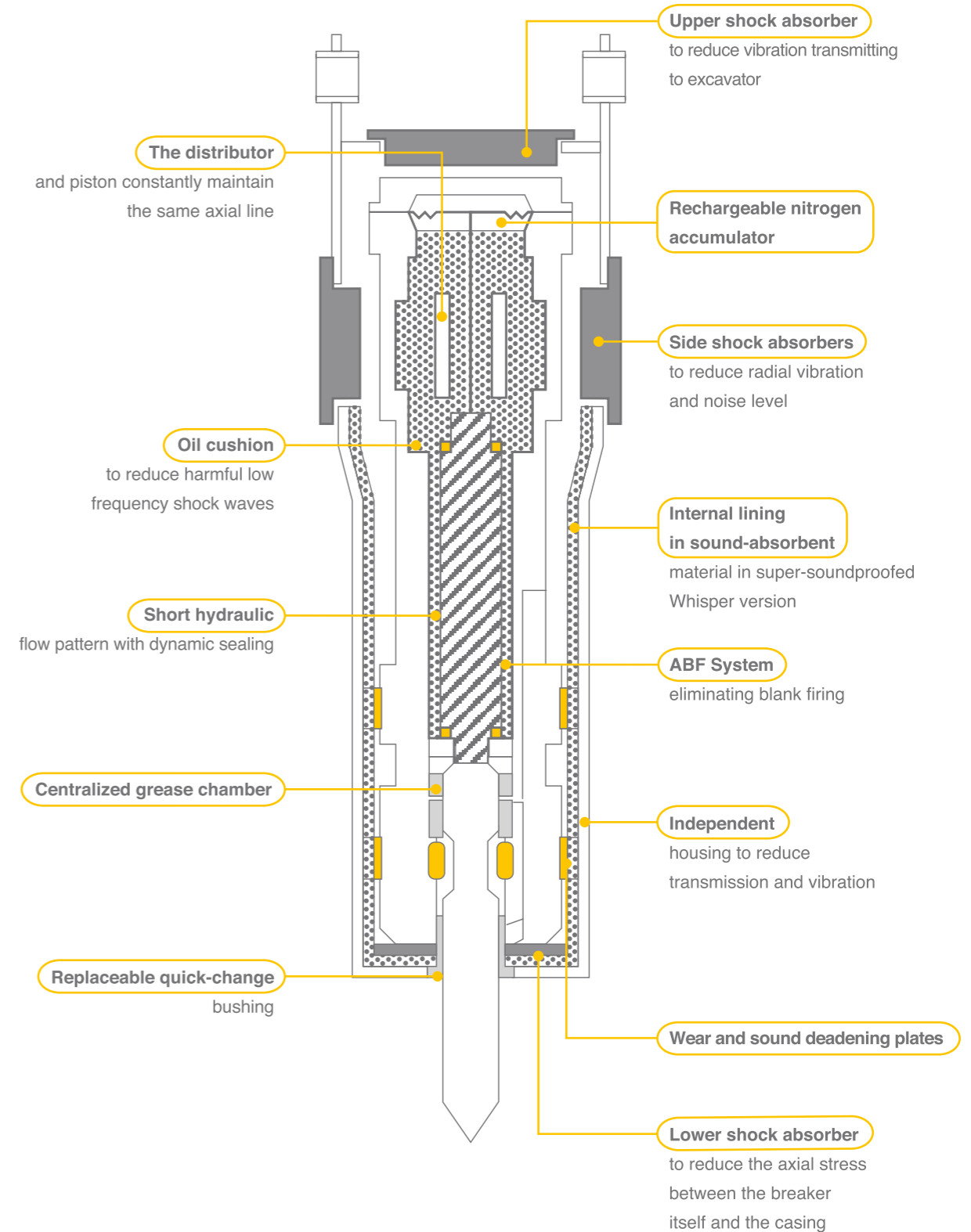
The **brand-new ABF** (Anti Blank Firing) system, installed as standard on all of the midi-and maxi-range Indeco breakers, cuts out blank fire by eliminating any down pressure from the breaker whenever the tool is not resting firmly on the surface to be demolished. This increases the service life of all components subject to wear and tear, as well as reducing stress to the breaker body and excavator arm.

The **centralised greasing system** enables the sliding parts to remain lubricated even when the breaker is operating horizontally, thus considerably reducing wear and tear on components and extending product lifetime.

The **“quickchange” interchangeable bushing**, which is inserted into the lower tool bushing where the tool moves, reduces maintenance times and costs, by cutting out the long machine downtimes needed to replace the traditional fixed bushing.

Alongside the standard versions there is also a **super-soundproofed Whisper** version, whose body is lined internally with sound-absorbent material and an “anti-rumble” paint, which - combined with a few modifications to the bushing - enable noise emission levels to be considerably reduced.

Finally, Indeco hydraulic breakers have a characteristically **slimwell-proportioned structure** which makes it possible to work in comparative comfort even under the most difficult of conditions.



# applications

## small breakers

Despite their compact size, Indeco's range of small breakers are exceptionally reliable, quiet and efficient, and best suited for such jobs as excavations work, highway maintenance, demolitions

and recycling in city areas and building refurbishment. Their versatility makes them extremely efficient in specialist jobs such as maintenance in iron foundries.



## mid-range breakers

Their excellent weight/power ratio and their slimline structure make the mid-range Indeco breakers the ideal choice for classical applications, such as demolishing buildings, earthworks in inhabited areas and secondary

demolitions in quarries, as well as for more specific tasks. In fact, midi breakers are used for underwater work - using a special kit - as well as for digging narrow deep trenches and removing casting slag from blast furnaces.



## large breakers

No job is too tough for an Indeco breaker. Combining maximum power with the effectiveness of intelligent technology, Indeco's larger breakers are unbeatable when it comes to completing the

toughest tasks in the shortest possible time-frame - whether it's the biggest demolition jobs, primary excavations in quarries, or rail and road tunnels.



# the small breaker range the HP series

Excellent working companions, mini breakers form the largest class of breakers within the Indeco range.



HP 350

HP 500



HP 150

HP 200



HP 600

HP 700

HP 900

Technical Data	HP 150 / HP 150 Heavy Duty	HP 200
Excavator weight (possible)	tons 0,7 ÷ 3	tons 1,4 ÷ 5
Weight of breaker when operated	kg 80 / 98 (Heavy Duty)	*P.B. kg 130/W.T.P. kg 160
Steel diameter	mm 45	mm 48
Pressure adjusted to the excavator	bars 160	bars 160
Back pressure max	bars 11	bars 11
Energy class per blow	joule 200	joule 240
Striking rate per minute	n/min 540 ÷ 2040	n/min 700 ÷ 1800

For data on the pressure adjusted to the breaker and on oil flow, please consult the "Parameters for selecting and adjusting the breaker" page.

HP 350	HP 500	HP 600	HP 700	HP 900
tons 1,7 ÷ 6,5	tons 3 ÷ 8	tons 3,5 ÷ 10,5	tons 4 ÷ 12	tons 5 ÷ 14
*P.B. kg 210/W.T.P. kg 230	*P.B. kg 300/W.T.P. kg 320	*P.B. kg 340/W.T.P. kg 390	kg 440	kg 550
mm 56	mm 65	mm 75	mm 80	mm 90
bar 160	bars 160	bars 170	bars 170	bars 170
bar 12	bars 12	bars 11	bars 12	bars 11
joule 450	joule 610	joule 720	joule 830	joule 1060
n/min 540 ÷ 1540	n/min 780 ÷ 1620	n/min 600 ÷ 1340	n/min 620 ÷ 1500	n/min 570 ÷ 1180

\* P.B. pins and bushings version - W.T.P. soundproofed Whisper top plate version.

# the mid-range breakers the HP series

A perfect blend of power and agility characterises the mid range Indeco breakers, tireless partners even on the toughest of jobs.



Technical Data	HP 1200	HP 1500	HP 1800 ABF
Excavator weight (possible)	tons 6,5 ÷ 16	tons 10 ÷ 20	tons 12 ÷ 22
Weight of breaker when operated	kg 650	kg 850	kg 1000
Steel diameter	mm 90	mm 110	mm 115
Pressure adjusted to the excavator	bars 170	bars 180	bars 180
Back pressure max	bars 8,5	bars 10	bars 8
Energy class per blow	joule 1490	joule 1720	joule 2000
Striking rate per minute	n/min 450 ÷ 980	n/min 420 ÷ 1000	n/min 440 ÷ 1060

For data on the pressure adjusted to the breaker and on oil flow, please consult the "Parameters for selecting and adjusting the breaker" page.

HP 2000 ABF	HP 2500 ABF	HP 3000 ABF
tons 15 ÷ 25	tons 16 ÷ 28	tons 19 ÷ 32
kg 1200	kg 1500	kg 1900
mm 120	mm 130	mm 140
bars 180	bars 180	bars 200
bars 8	bars 7	bars 8
joule 2440	joule 3320	joule 4370
n/min 460 ÷ 940	n/min 400 ÷ 870	n/min 360 ÷ 870

# the large breaker range the HP series

This is the most prestigious class, containing the top range of Indeco breakers. They are top breakers not only in terms of size, but also in their outstanding performance.

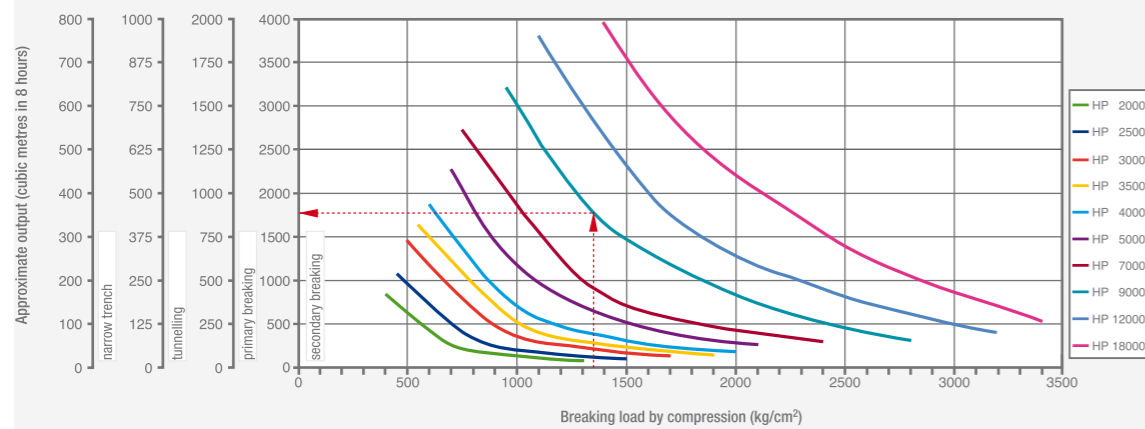
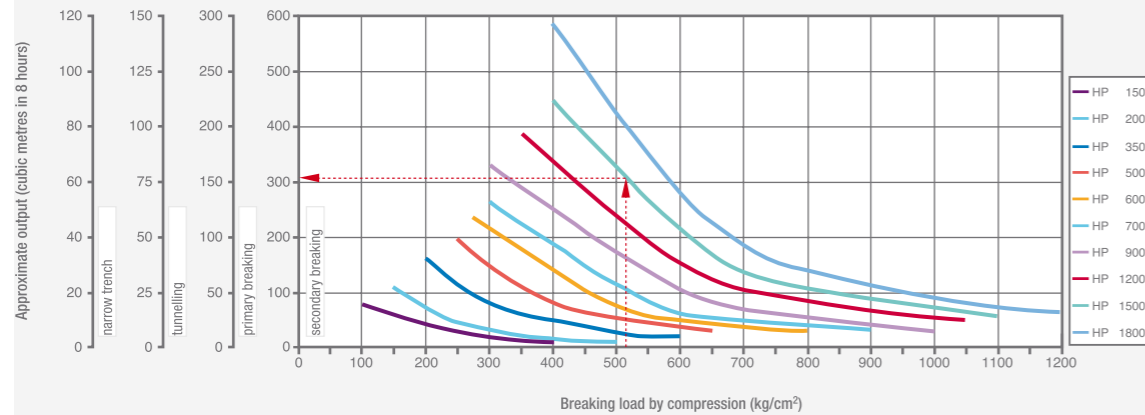


Technical Data	HP 3500 ABF	HP 4000 ABF	HP 5000 ABF	HP 7000 ABF
Excavator weight (possible)	tons 21 ÷ 38	tons 23 ÷ 42	tons 27 ÷ 50	tons 32 ÷ 63
Weight of breaker when operated	kg 2200	kg 2500	kg 3000	kg 4000
Steel diameter	mm 145	mm 150	mm 160	mm 180
Pressure adjusted to the excavator	bars 210	bars 210	bars 210	bars 210
Back pressure max	bars 7	bars 8	bars 7	bars 8,5
Energy class per blow	joule 5160	joule 6080	joule 7990	joule 10350
Striking rate per minute	n/min 370 ÷ 760	n/min 340 ÷ 820	n/min 300 ÷ 670	n/min 310 ÷ 580

HP 9000 ABF	HP 12000 ABF	HP 18000 ABF
tons 39 ÷ 80	tons 45 ÷ 120	tons 60 ÷ 140
kg 5000	kg 7800	kg 11050
mm 195	mm 215	mm 250
bars 210	bars 230	bars 230
bars 8	bars 9	bars 11
joule 14120	joule 18930	joule 25000
n/min 270 ÷ 540	n/min 240 ÷ 550	n/min 240 ÷ 460

For data on the pressure adjusted to the breaker and on oil flow, please consult the "Parameters for selecting and adjusting the breaker" page.

# productivity



# noise levels

## Noise level guaranteed\* by the 2000/14/EC directive

HP models	126
HP Whisper models	123

## Noise levels measured\* at various distances

Distance	10 m	15 m	20 m	25 m	30 m
HP models	96	92,5	90	88,1	86,5
HP Whisper models	93	89,5	87	85,1	83,5

\*values expressed in dB (A)

# parameters for selecting and adjusting the breaker

Model	Breaker/carrier compatibility (tons)*	Pressure regulation values (bar)/oil flow (l/min)**	Model	Breaker/carrier compatibility (tons)*	Pressure regulation values (bar)/oil flow (l/min)**
HP 150	0,7 3 0,8 2,5	105 115 120 125 40 30 20 15	HP 2000	15 25 18 22	115 125 130 140 150 135 125 110
HP 200	1,4 5 2 4	105 115 120 125 45 35 25 25	HP 2500	16 28 19 24	115 125 130 140 160 140 130 125
HP 350	1,7 6,5 2,5 5	105 115 120 125 60 45 35 30	HP 3000	19 32 21 28	125 135 140 150 180 170 160 145
HP 500	3 8 3,5 6,5	105 120 125 135 90 85 60 55	HP 3500	21 38 24 30	130 135 140 160 200 185 175 160
HP 600	3,5 10,5 4 8,5	105 125 135 140 80 70 60 50	HP 4000	23 42 26 33	130 140 145 160 230 215 205 180
HP 700	4 12 5,5 10	105 120 125 130 90 80 70 60	HP 5000	27 50 30 40	130 140 145 160 265 230 220 190
HP 900	5 14 6 12	105 120 125 130 100 90 80 70	HP 7000	32 63 36 52	140 145 150 165 305 285 275 250
HP 1200	6,5 16 8 13	105 120 125 130 105 95 85 70	HP 9000	39 80 46 68	140 150 155 165 355 325 315 290
HP 1500	10 20 12 17	115 120 125 140 125 110 100 80	HP 12000	45 120 58 90	140 160 165 180 420 380 370 325
HP 1800	12 22 14 20	115 120 125 140 130 120 110 85	HP 18000	60 140 75 120	140 160 170 180 520 470 460 420

\*Suggested for use on excavators having total weight (tons):

Best Possible (match subject to approval by the Indeco dealer)

\*\*Pressure adjusted to the breaker (bars) relative to oil flow (l/min):

Optimum pressure adjusted to the breaker (bars) Optimal oil supply (l/min) Possible pressure/oil

## accessories

### Underwater kit ①

The Kit, which can be applied to all Indeco breakers, is made up of a threaded connector, a steel protector and a tube connecting it to a compressor. The jet of compressed air allows the user to work underwater by preventing water from getting into the inner part of the breaker.

### Pressurised water Dust-Removal System ②

This system requires a hydraulic transformer to be applied to the excavator. There can be several spray nozzles, and they form an umbrella of fine spray over the working area, especially over the toolhead, thereby preventing potentially damaging dust from affecting the breaker and the operator. If required, the equipment can be fitted with an 80-litre water tank and a dispenser for a non-toxic and non-pollutant foam.

### Anti-Grease and Anti-Dust System ③

This system, which is crucial when working in dusty environments and when tunnelling, is made up of two clamps, which are both attached

to the tool but are located in different positions, prevent dust from getting in and grease from getting out, improving lubrication levels and thus lengthening the working life of the main breaker components.

### The automatic centralised greasing system ④

This system has a dual function - to optimise grease consumption and to make it unnecessary for the operator to stop work to grease the moving parts. The kit includes a pumping unit pack, tubing and connections to the breaker. The grease point is centralised and feeds all of the bushings and the moving parts at the tool, inside the breaker and on the retaining axle.

### The special Indeco Sirio lubricant ⑤

It is vital that a specific lubricant be used, to ensure the durability of the main components of the breaker. Indeco's Sirio HBL grease, with solid additives is particularly resistant to oxidation, can withstand extreme pressures and temperatures and shows excellent adhesion and water-resistance.



## the tools

### Chisel tool

Suitable for all earthworking or narrow-section excavation.



### Moil point tool

Suitable for breaking up concrete, or medium-hard non-stratified rock. Secondary demolitions: average, hard or extremely hard blocks.



### Asphalt cutter

Suitable for cutting asphalt, breaking up flooring, as well as brick or sandstone walls.



### Pile driver

Suitable for pilework or press-moulded supports for guardrails, etc.



### Pyramidal point

Suitable for demolishing hard reinforced concrete flooring, as well as sedimentation material.



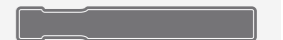
### Cobra chisel tool

Suitable for all types of excavation work on medium-hard to hard rock, non stratified rock or rock which tends to pulverise when being broken up, "puddingstones".



### Blunt tool

Suitable for breaking up blocks of any hardness, or to reduce the size of rubble. Secondary breaking, breaking oversize material.





## All of the hydraulic breakers in the Indeco range

Breaker	Weight	Breaker	Weight
HP 150	kg 80	HP 2000	kg 1200
HP 150 <sup>HeavyDuty</sup>	kg 98	HP 2500	kg 1500
HP 200	kg 160	HP 3000	kg 1900
HP 350	kg 230	HP 3500	kg 2200
HP 500	kg 320	HP 4000	kg 2500
HP 600	kg 390	HP 5000	kg 3000
HP 700	kg 440	HP 7000	kg 4000
HP 900	kg 550	HP 9000	kg 5000
HP 1200	kg 650	HP 12000	kg 7800
HP 1500	kg 850	HP 18000	kg 11050
HP 1800	kg 1000		

Indeco Ind. S.p.A.  
viale Lindemann, 10 z.i. - 70123 Bari - Italy  
tel. +39 080 531 33 70 - fax +39 080 537 79 76

info@indec0.it - www.indec0.it

