



 **INDECO**
YOUR PARTNERS IN DEMOLITION

HP series ABF
hydraulic breakers

Indeco breakers

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

Features of Indeco breakers

With its many different models, divided into **large**, **medium** and **small** and 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**.

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

① Indeco breakers, with their special **intelligent hydraulic system** can 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.

② Exclusive features such as the **synchronised internal distributor** in line with the main shaft, the **oil cushions** for damping vibrations and the **hydraulic system** with dynamic seals which totally eliminate the need for bushings.

A decisive factor for lengthening breaker life span and **substantially reducing breakdowns**, even where there are moving parts

③ **Piston** divided into two parts for a higher energy impact and lower running costs.

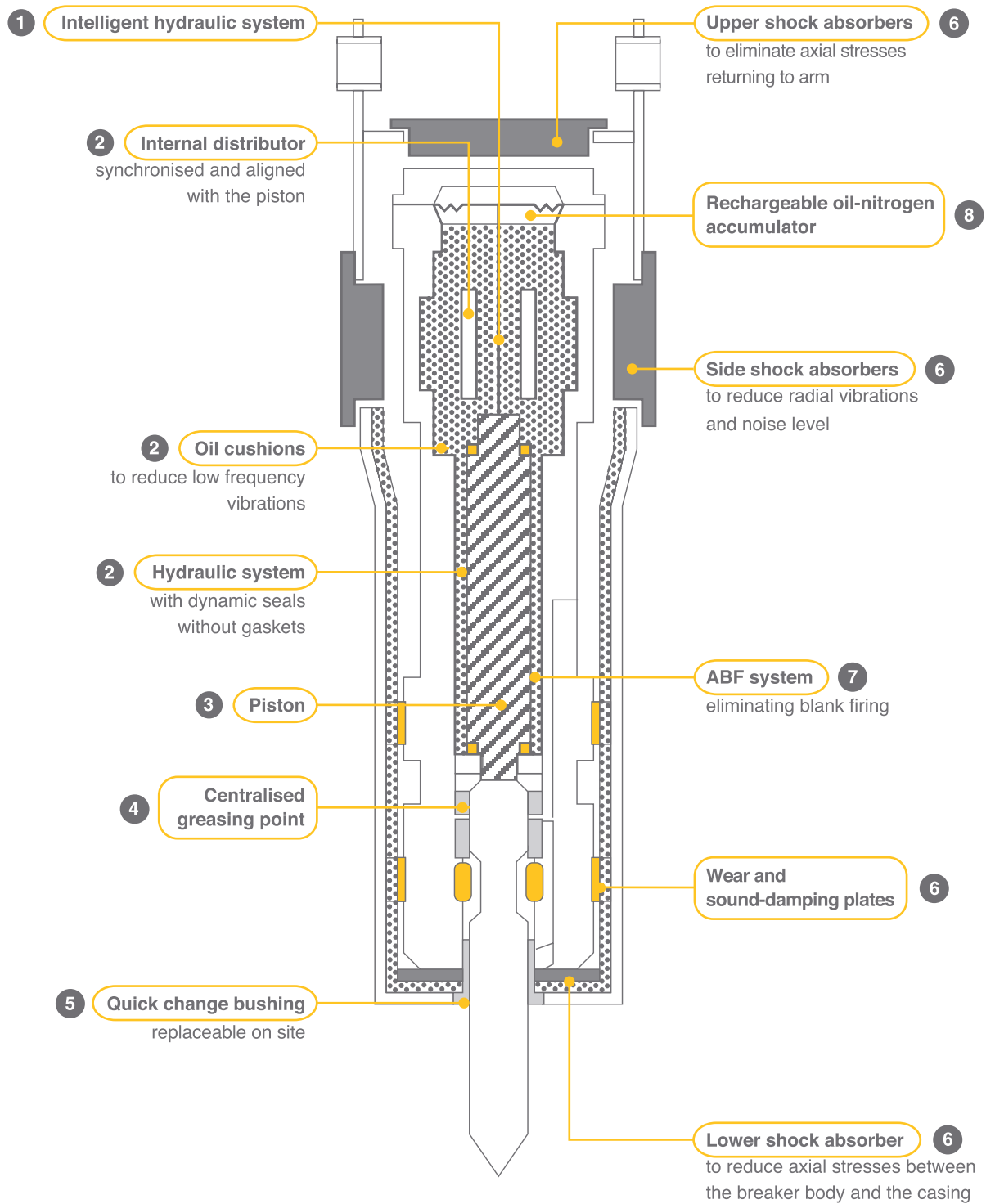
④ In particular the **centralised greasing system** enables the sliding parts to remain lubricated even when the breaker is working horizontally, thus considerably reducing wear and extending product life time.

⑤ The “**quickchange**” interchangeable bushing is available in different materials according to the different applications, is inserted where the tool moves, reduces maintenance times and costs by cutting out the long downtimes needed to replace the traditional fixed bushing.

⑥ All the working machines that use the Indeco breaker benefit from its **dual shock absorption system**: one internal hydraulic system and one mechanical system outside the breaker body which significantly reduce the vibrations transmitted to the excavator. The excavator boom is exposed to a lower stress because of the **lower weight** of the Indeco breaker, in working conditions, compared with a breaker in the same class.

⑦ The brand-new **ABF (Anti Blank Firing)** system installed on all the med-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.

⑧ The **oil-nitrogen accumulator**, reducing pressure peaks, also diminishes the stress in the hydraulic circuit of the excavator; it also keeps the gas load constant and with it the force per blow; it requires less maintenance which reduces running costs.



small breakers

Despite their compact size, the Indeco range of small breakers is exceptionally reliable, quiet and efficient, and best suited for such jobs as excavation work, highway maintenance, demolition and recycling in



mid-range breakers

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



large breakers

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



applications

city areas and building refurbishment. Their versatility makes them extremely efficient in specialist jobs such as maintenance in steel foundries and other industrial applications.



breaking in quarries, as well as for more specific tasks. In fact, midi range 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.



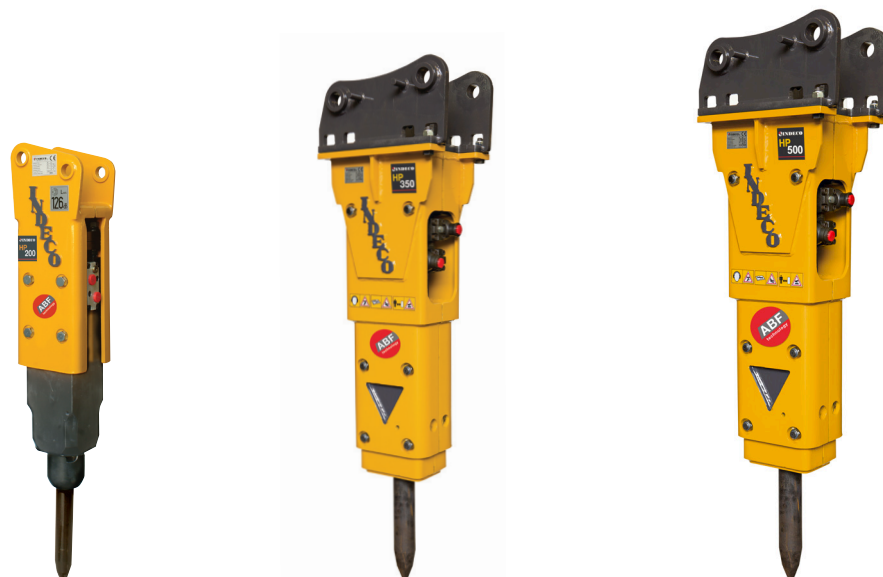
jobs in the shortest possible time-frame - whether it's the biggest demolition jobs, primary excavations in quarries, or immense rail and road tunnels.



the small breaker range

HP series

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



Technical Data	HP 200 ABF	HP 350 ABF	HP 500 ABF
Excavator weight (min-max)*	1550 ÷ 6600 lb	3100 ÷ 11000 lb	3750 ÷ 14300 lb
Operating weight	230 lb	360 lb	510 lb
Tool diameter	1.80 in	1.90 in	2.25 in
Pressure adjusted to the excavator	2400 psi	2400 psi	2400 psi
Back-pressure at the breaker	155 psi	155 psi	170 psi
Energy class	200 lb.ft	350 lb.ft	500 lb.ft
Blows per minute	540 ÷ 2040 bpm	700 ÷ 1800 bpm	540 ÷ 1540 bpm

*Carrier range is based on boom configuration. Please contact your local equipment dealer for optimal carrier/hammer compatibility.
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 750 ABF	HP 1000 ABF	HP 1100 ABF	HP 1250 ABF
6650 ÷ 17600 lb	7750 ÷ 23100 lb	8850 ÷ 26450 lb	11050 ÷ 30850 lb
710 lb	860 lb	980 lb	1170 lb
2.70 in	3.00 in	3.15 in	3.55 in
2400 psi	2500 psi	2500 psi	2500 psi
170 psi	155 psi	170 psi	155 psi
750 lb.ft	1000 lb.ft	1000 lb.ft	1250 lb.ft
780 ÷ 1620 bpm	600 ÷ 1340 bpm	620 ÷ 1500 bpm	570 ÷ 1180 bpm

*Carrier range is based on boom configuration. Please contact your local equipment dealer for optimal carrier/hammer compatibility.
For data on the pressure adjusted to the breaker and on oil flow, please consult the "Parameters for selecting and adjusting the breaker" page.

the midi breaker range HP series

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



Technical Data	HP 1500 ABF	HP 1800 ABF	HP 2000 ABF
Excavator weight (min-max)*	14400 ÷ 35200 lb	22100 ÷ 44000 lb	26500 ÷ 48500 lb
Operating weight	1380 lb	1880 lb	2250 lb
Tool diameter	3.55 in	4.30 in	4.50 in
Pressure adjusted to the excavator	2500 psi	2700 psi	2700 psi
Back-pressure at the breaker	120 psi	145 psi	115 psi
Energy class	1500 lb.ft	1800 lb.ft	2000 lb.ft
Blows per minute	450 ÷ 980 bpm	420 ÷ 1000 bpm	440 ÷ 1060 bpm

*Carrier range is based on boom configuration. Please contact your local equipment dealer for optimal carrier/hammer compatibility.
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 3000 ABF	HP 4000 ABF	HP 5000 ABF
33000 ÷ 55000 lb	35500 ÷ 61500 lb	42000 ÷ 70500 lb
2650 lb	3320 lb	4350 lb
4.80 in	5.10 in	5.55 in
2700 psi	2700 psi	3000 psi
115 psi	100 psi	115 psi
3000 lb.ft	4000 lb.ft	5000 lb.ft
460 ÷ 940 bpm	400 ÷ 870 bpm	360 ÷ 870 bpm

*Carrier range is based on boom configuration. Please contact your local equipment dealer for optimal carrier/hammer compatibility.
For data on the pressure adjusted to the breaker and on oil flow, please consult the "Parameters for selecting and adjusting the breaker" page.

the large breaker range 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 5500 ABF	HP 7500 ABF	HP 8000 ABF	HP 12001 ABF
Excavator weight (min-max)*	46500 ÷ 83500 lb	51000 ÷ 92500 lb	60000 ÷ 110000 lb	75000 ÷ 125000 lb
Operating weight	4900 lb	5780 lb	6650 lb	9050 lb
Tool diameter	5.75 in	5.95 in	6.30 in	7.10 in
Pressure adjusted to the excavator	3100 psi	3100 psi	3100 psi	3100 psi
Back-pressure at the breaker	100 psi	115 psi	100 psi	120 psi
Energy class	5000 lb.ft	7500 lb.ft	8000 lb.ft	12000 lb.ft
Blows per minute	370 ÷ 760 bpm	340 ÷ 820 bpm	300 ÷ 670 bpm	310 ÷ 580 bpm

*Carrier range is based on boom configuration. Please contact your local equipment dealer for optimal carrier/hammer compatibility.
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 13001 ABF

86000 ÷ 176000 lb
 11150 lb
 7.70 in
 3100 psi
 120 psi
 13000 lb.ft
 270 ÷ 540 bpm

HP 16000 ABF

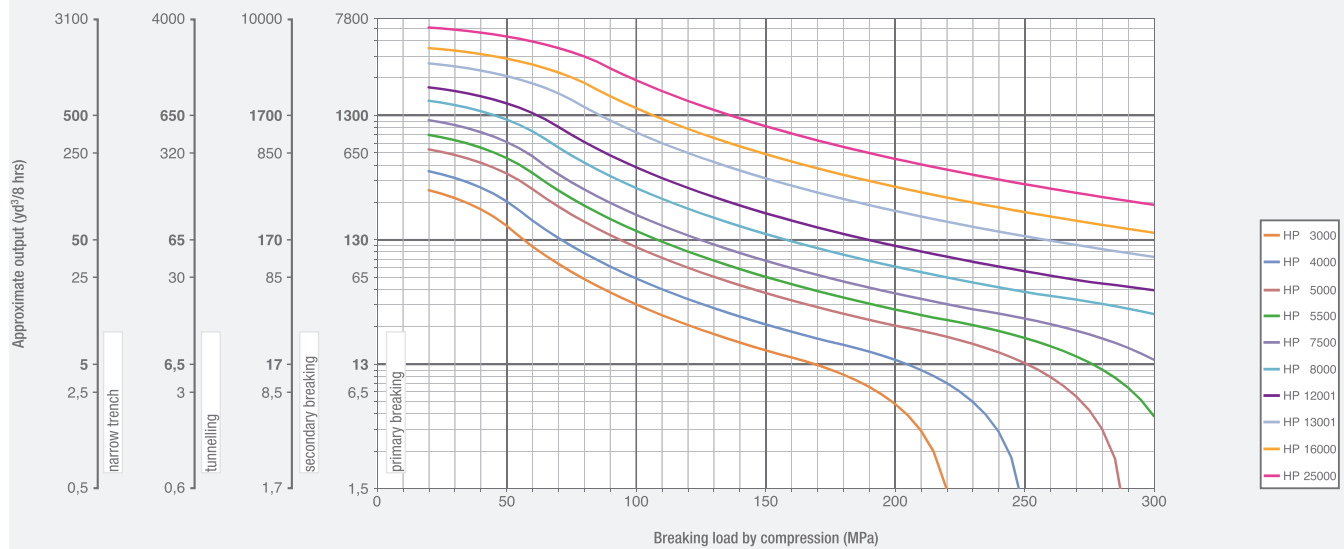
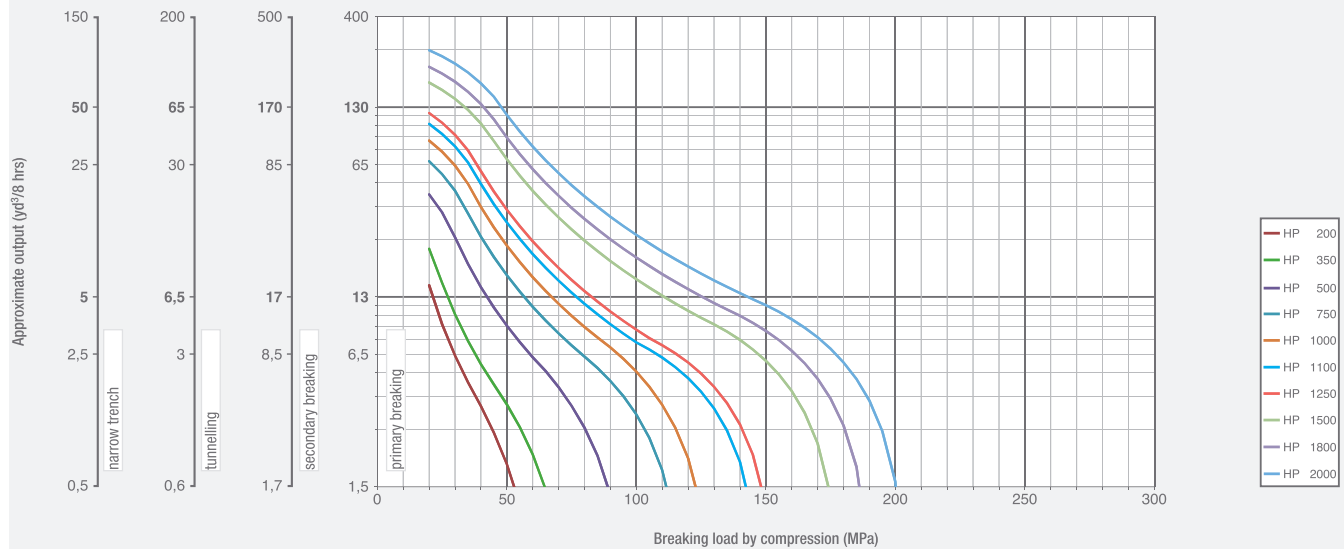
100000 ÷ 260000 lb
 17200 lb
 8.50 in
 3400 psi
 130 psi
 16000 lb.ft
 240 ÷ 550 bpm

HP 25000 ABF

130000 ÷ 303000 lb
 24370 lb
 10 in
 3360 psi
 175 psi
 25000 lb.ft
 240 ÷ 460 bpm

*Carrier range is based on boom configuration. Please contact your local equipment dealer for optimal carrier/hammer compatibility.
 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 levels measured* at various distances

Distance	33 ft	50 ft	65 ft	80 ft	100 ft
All HP models	96*	92.5*	90*	88.1*	86.5*

*values expressed in dB (A)

Noise level guaranteed* by the 2006/42/CE directive

All HP models	126*
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parameters for selecting and adjusting the breaker

Model	Pressure regulation values (psi)/oil flow (gpm)*	Model	Pressure regulation values (psi)/oil flow (gpm)*
HP 200		HP 3000	
HP 350		HP 4000	
HP 500		HP 5000	
HP 750		HP 5500	
HP 1000		HP 7500	
HP 1100		HP 8000	
HP 1250		HP 12001	
HP 1500		HP 13001	
HP 1800		HP 16000	
HP 2000		HP 25000	

*Pressure adjusted to the breaker (psi) relative to oil flow (gpm):

Optimum pressure adjusted to the breaker
 Optimal oil supply
 Possible pressure/oil

accessories

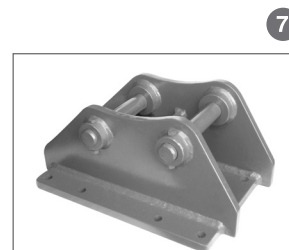
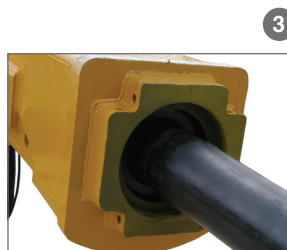
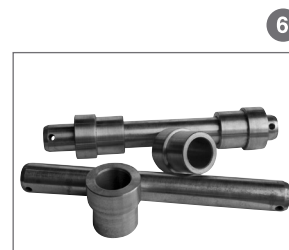
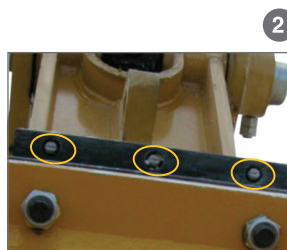
Underwater kit 1

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.



IDA System (Indeco Dust Abatement) 1-2

An innovative and particularly effective system to reduce wear and tear of parts and prolong the life of the breaker. This is made up of an air compressor and a high pressure water pump mounted on the excavator and moved by two hydraulic motors supplied from the excavator itself. The pump and compressor are activated independently through electro-hydraulic valves directly by the machine operator who can thus launch two different protection devices. A high pressure nebulised water jet, emitted by three nozzles mounted outside the breaker, stops dust that can be dangerous for the equipment and the operator.



Grease Shield 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 Kit 4

This system has a dual function - to optimise grease consumption and 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 the bushings and the moving parts between the tool, breaker and retaining axle. To satisfy the requirements of those hiring the equipment, the system (which is normally installed on the excavator) can also be mounted on the breaker.

The special Indeco Supreme 1000 lubricant **5**

It is vital that a specific lubricant be used, to ensure the durability of the main components of the breaker. Indeco's Supreme 1000 grease, with solid additives is particularly resistant to oxidation, can withstand extreme pressures and temperatures and shows excellent adhesion and water-resistance.

Pins and Bushings **6**

Designed to facilitate installation of all Indeco products on the arm of the machine, with or without attachment mounting bracket.

Mounting brackets **7**

Each type of Indeco mounting bracket can be used in conjunction with all Indeco products of the same class.

Foldable Mounting bracket **8**

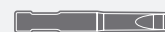
A particular model of mounting bracket for breakers which means that the breaker can be bent back directly under the arm of the operating machine.

Connection Hoses **9**

Use of original Indeco high and low pressure original hoses is advised for connection of different pieces of equipment to the hydraulic equipment of the operating machine.

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.

Platinum Warranty

The professional competency which Indeco technicians bring to their job and the easy availability of spare parts in all of its distribution centres enables Indeco to guarantee after-sales service anywhere in the world, that is both rapid and capable of resolving any type of problem. Indeco North America offers an optional Platinum Warranty, which guarantees a breaker owner maximum productivity for a minimal up front purchase. The Platinum Warranty offers virtual "bumper-to-bumper" coverage for a period of twenty-four months.

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