

PEDESTAL BOOM SPECIFICATIONS

MODEL	HORIZONTAL REACH MAX	POWER UNIT	HYDRAULIC RESERVOIR	SHIPPING WEIGHT	COMPATIBLE BREAKERS
SBS-2016HD	16 ft	75 hp	120 gal	13,060 lbs	HP2000
SBS-2020HD	20 ft	75 hp	120 gal	13,630 lbs	HP3000
SBS-2025HD	25 ft	75 hp	120 gal	14,200 lbs	HP4000
SBS-2516HD	16 ft	100 hp	150 gal	15,860 lbs	HP5000
SBS-2520HD	20 ft	100 hp	150 gal	16,580 lbs	HP5000
SBS-2525HD	25 ft	100 hp	150 gal	17,360 lbs	HP5000

HYDRAULIC BREAKER SPECIFICATIONS

MODEL	HP2000	HP3000	HP4000	HP5000	HP5500
ENERGY CLASS	2000	3000	4000	5000	5500
OPERATING WEIGHT	2,250 lbs	2,650 lbs	3,320 lbs	4,350 lbs	4,900 lbs
TOOL DIAMETER	4.5 in	4.8 in	5.1 in	5.55 in	5.75 in
IMPACT FREQUENCY	440-1060 bpm	460-940 bpm	420-870 bpm	410-870 bpm	390-760 bpm
OPERATING PRESSURE	1700-2000 psi	1700-2000 psi	1700-2000 psi	1850-2150 psi	1900-2300 psi
HYDRAULIC FLOW	23-35 gpm	30-40 gpm	34-43 gpm	39-48 gpm	43-53 gpm



About Indeco

Indeco began in 1976 as a manufacturer of spare parts for hydraulic breakers. But the technical issues associated with breakers at the time led Indeco to design and build a new line of their own. The first Indeco breakers' efficiency, productivity and reliability made an immediate impact on the market. Shortly thereafter, Indeco opened a significantly larger factory, in order to meet increased production requirements. At the same time, a significant investment was made in developing the next series of hydraulic breakers, the world's first "intelligent breaker," capable of automatically regulating the frequency and impact energy with each blow, according to the material being broken.

In the 1990's, Indeco began an aggressive expansion campaign aimed at penetrating new markets. In addition to the already established independent dealers throughout Europe, Indeco expanded its international presence by opening company-owned subsidiaries in the key markets of the United Kingdom, Australia and the United States.

Today, Indeco operates four manufacturing facilities for the production of their breakers, pulverizers and multi-processors. In the world market, Indeco continues to penetrate new markets and to grow within its existing marketing areas.

About Indeco North America:

Indeco North America, (INA), was incorporated in 1990 and is responsible for all sales and support of Indeco products within North America. The headquarters for INA is located in Milford, Connecticut and houses sales, administration and product support. It additionally serves as the main facility for warehousing of whole goods, spare parts and the fabrication of hydraulic kits and other peripheral equipment.



For more detailed features and benefits plus a complete and no-obligation evaluation of your own operation, please contact your local dealer.



pedestal boom systems



When searching for a pedestal boom system, there are a number of choices out there. None can even come close to Indeco's new SBS systems.

Heavy Weight Does Not Mean Heavy-Duty

Many pedestal boom manufacturers continue to produce straight-tube booms, reinforced with welded plates. The result is a bulky, heavy boom system subject to a continuous cycle of stress cracking and repair. Indeco SBS breaking systems are made in the image of excavators, with a high-strength steel box construction. The resulting design provides the best strength-to-weight ratio in the business. And, prior to manufacturing, Indeco engineers use a Finite Element Analysis (FEA) in a computer-simulated application, based on the proposed installation. During this simulation, the system components are tested and approved for all possible weight loads, stress points, and vibrations resulting from both normal and abusive operation in the field.

Turntable-Mounted Base

Most pedestal boom manufacturers use a pivoting swing cylinder mechanism to move their booms laterally. While certainly inexpensive, this method limits the range of motion to 170 degrees, unnecessarily exposes the swing cylinder rods to damage from dust and material and leads to undue stress on these typically small cylinders. Indeco SBS breaking systems use a heavy-duty pedestal based on a Rotec slewing ring and chrome alloy bearing system similar to those employed by hydraulic excavator manufacturers. Dual pinion gear swing motors provide smooth, even rotation throughout a 350-degree working range. This design evenly distributes the weight upon the base, regardless of the alignment of the pedestal with the crusher. In other words, the pedestal breaker is equally effective and durable throughout the working range. In addition, adjustable mechanical stops can be incorporated to customize the working range and parking location of the pedestal boom.

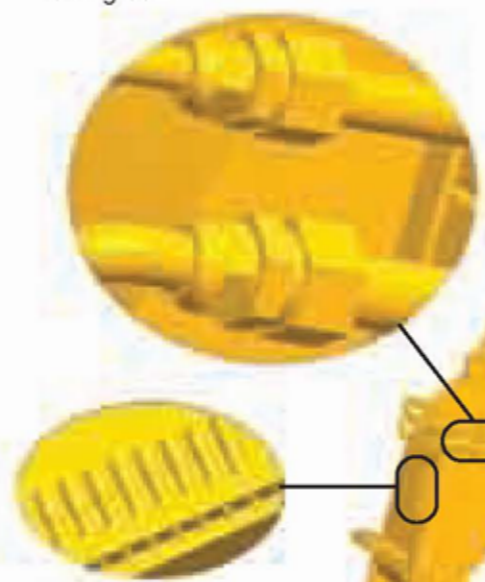


Finite Element Analysis

FEA and computer aided motion analysis allows the boom to be designed, tested, simulated and improved before the manufacturing process begins. Associative software ensures superior part-fits, which means stronger, trouble-free equipment.

Hydraulic Plumbing

Parflanged process eliminates all welded joints in the hydraulic plumbing for a consistently leak free system. All hydraulic connections have an o-ring seal.



Central Grease Bank

Grease points plumbed to central grease bank for quick and easy maintenance.

Pin Connections

Aluminum bronze bushings running on oversized hardened steel pins are simple and trouble-free.

Structural Integrity

Welded box beam construction using high strength steel gives a superior strength-to-weight ratio.

Quality Construction

Weld joint designs developed over years of boom building give the longest possible service life and least possible downtime.

Custom Made Cylinders

Cylinders are designed specifically for the applications, and built to exact tolerances from premium materials. Every design is analyzed and every cylinder built is fully tested.

Turntable-Mounted Base

Turntable base operated by dual pinion swing motors evenly distributes loads throughout the working range.

Severe-Duty Cylinders

Massive, oversized cylinders control the lift, crowd and curl functions of the pedestal system. Computerized joystick controls allow the operator to "feather" all functions, providing optimum control and accurate positioning. All cylinder connections are equipped with aluminum steel bushings and oversized, hardened steel pins for trouble-free, long-term reliability. All cylinder components are rated at 5000 psi, 70% above the operating pressure of the system for longer service life.

Severe-Duty Plumbing

Indeco SBS boom systems use parflanged hydraulic tubing for maximum durability. It is intelligently routed to be out of harms way near the working end of the system. In addition, a central grease port at the pedestal base supplies and delivers grease quickly to all pivot points through these hard lines.

Superior Power Unit and Controls

Indeco SBS pedestal boom systems are powered by a self-contained hydraulic power unit. A Kawasaki variable displacement piston pump is at the heart of the hydraulic system. With minimal standby flow and load-sensing capability, the pump delivers a high oil output for fast boom and high-powered breaker operation. Power units also feature computer-programmable Indeco Logic, allowing infinite boom control and system management. The performance exceeds the expectations of any operating engineer.

Rivaling the control panel for most crushers, Indeco power units are supplied with a computer-controlled operators' panel that continuously monitors the system to minimize downtime. LED indicator lights immediately illuminate when oil temperature, pressure, or level are out of programmed tolerance. In addition, any electrical fault within the system illuminates another indicator light for prompt attention. In short, proactive computer monitoring prevents a small situation from becoming a potential downtime repair.

