



ERGONOMIC SOLUTIONS



# Technical Data

**Weight Range**  
**0-77 lbs.**

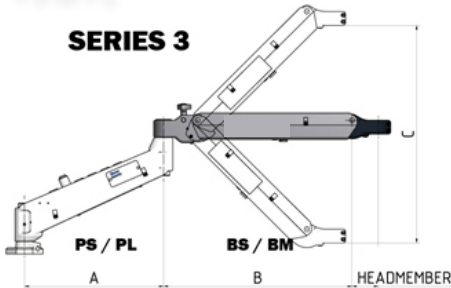
**Maximum Reach**  
**68"**

**Vertical Distance**  
**45"**

## Bottom Radial Base Arm

PS or PL

**SERIES 3**



## Vertical Tilt Arm

BS Small (Length 24", up to 77 lbs)

BM Medium (Length 35.8", up to 40 lbs)

## Attachment

G3 Grinder

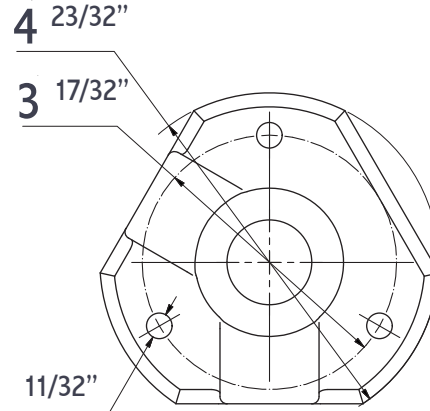
Z3 Chipping Hammer

## Brakes

L51

## Arm Dimensions

Radial Base	A (Length)	Tilting Arm	B (Length)	C (Vertical Distance)	Maximum Reach
PS	17.7"	BS BM	24.0" 35.8"	27.8" 44.5"	41.7" 53.5"
PL	31.8"	BS BM	24.0" 35.8"	27.8" 44.5"	55.9" 67.6"
PE	19.7"	BS BM	24.0" 35.8"	27.8" 44.5"	43.7" 55.8"



## The Honsa Ergo Arm (HEA) applications:

For those applications that require the operator to hold a heavy tool for extended periods of time or the need to achieve superior product quality output is desired but a traditional suspension system is not possible due to work station constraints, the **NEW** bench-mount / magnetic-mount **Honsa Ergo Arm (HEA)** with the exclusive **Honsa Gyro-Bail (GB)** is just the solution. Enjoy zero-gravity, enhanced tool maneuverability, within the work envelope. Whether it's a chipping, grinding or scaling application, let Honsa Ergonomic Technologies, Inc. assist your workers in obtaining a higher level of productivity and an improved quality of task accomplishment resulting in increased corporate profits.



# Product Selection

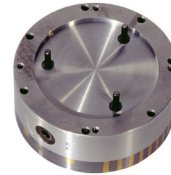
## Options for Chipping Hammer

**OPTION 1:** PS + BS + G3 + L51

**OPTION 2:** PS + BM + G3 + L51

### HTC11 Series Chipping Hammers

Model	Bore	Stroke	Length	Shank
HTC11-2R	1-1/8"	2-1/2"	17-1/4"	.680" Round
HTC11-2H	1-1/8"	2-1/2"	17-1/4"	.580" Hex
HTC11-3R	1-1/8"	3-1/2"	18-1/4"	.680" Round
HTC11-3H	1-1/8"	3-1/2"	18-1/4"	.580" Hex
HTC11-4R	1-1/8"	4-1/2"	19-1/4"	.680" Round
HTC11-4H	1-1/8"	4-1/2"	19-1/4"	.580" Hex



Magnetic Support  
EDP: RA0016F  
9 13/16" Ø

- ▶ The most powerful chipping hammer anywhere with low vibration handle isolation
- ▶ Best power-to-weight ratio
- ▶ Smooth valving "Feathering Throttle"
- ▶ Standard .680" round and .580" hex bushing
- ▶ Lock ring locking mechanism to assure barrel tightness and low maintenance

## Options for Grinders

**OPTION 1:** PS + BS + Z3 + L51

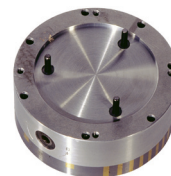
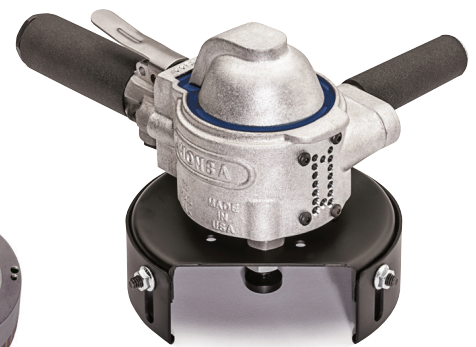
**OPTION 2:** PS + BM + Z3 + L51

**OPTION 3:** PL + BS + Z3 + L51

**OPTION 4:** PL + BM + Z3 + L51

### Grinders

Model	Guard Type	Handle
HTVG36-6	6" Cup	Standard
HTVG36-S-6	6" Cup	Safety Lockout
HTVG37-6	7" Depressed Center	Standard
HTVG37-S-6	7" Depressed Center	Safety Lockout
HTVG39-6	9" Depressed Center	Standard
HTVG39-S-6	9" Depressed Center	Safety Lockout



Magnetic Support  
EDP: RA0016F  
9 13/16" Ø



**All 3 horsepower grinders are shipped with 6000 rpm governors as standard equipment.** Governors of different speeds are available on request. Available governed maximum speeds are 4500 rpm, 6000 rpm and 7200 rpm.

**Governor has a lifetime warranty if governor is not damaged from maintenance procedures.**



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## SAFETY WARNING

Products are engineered and manufactured with safety in mind. The heat treat specifications exceed or meet all standards. All of the products manufactured are designed to perform without any undue safety issues when caution, common sense and proper safety practices are followed. The use of cutting tools and toolholders is safe when proper application and protection guidelines are observed. Even when these proper precautions are taken, it is possible that fragments of a cutting tool, cutting material, or holding device may be thrown at a very high rate of speed and have potential to cause severe bodily harm. It is imperative that general safety precautions and safety glasses be used at all times.

## WARRANTY

Honsa Tools warrants this tool to be free of defects in materials and original workmanship for 90 days from date of purchase. The obligation assumed under this guarantee is limited to the replacing of any part or parts which prove to our satisfaction, under examination, to have been defective. This guarantee does not cover damage caused by misuse or normal wear, dirt or debris.

Honsa Tools makes no other warranty, and implied warranties for fitness for a particular use or purpose are hereby disclaimed. Honsa Tools' liability is limited to the purchase price of the tool and Honsa tools shall not be liable for consequential, indirect or special damages of any nature arising from the sale or use of Honsa tools.

The warranty shall not apply to any tool that has been subjected to: misuse, accident, negligence or modification; or in which parts not made and supplied by Honsa Tools have been used, altered or repaired by other than Honsa Tools personnel or authorized repair/maintenance companies, or in the determination of Honsa Tools, any non-intended use affecting its' operation.

## About HONSA TOOLS

HONSA founders Dr. Thomas S. and Thomas W. Honsa began designing a new vibration-reducing and sound isolation system for pneumatic and electric powered tools in 1985, and Honsa Ergonomic Technologies was born.

Intent on reducing work-related injuries caused by excessive vibration and poor ergonomics, the Honsas continued their innovation and research, and pioneered the field of ergonomically designed air tools and products. Their patented technologies have revolutionized the tool industry.

Since the advent of pneumatic tools in 1890, little had been done to reduce the associated adverse effects – excessive vibration, noise and deficient ergonomics – that plagued tool operators and often led to cumulative trauma disorders. Almost 100 years later, the Honsas employed their knowledge of polyurethane elastomers and design engineering to create a genre of American-made tools that are in use today around the world.

HONSA Tools and services are used in a wide variety of manufacturing industries including Aerospace, Metal Fabrication, Automotive Assembly, Shipbuilding and Repair, Agricultural Equipment, Construction Equipment, Foundries, and Engine and Transmission Assembly. In addition, the US Military uses HONSA Tools to reduce injuries in maintenance, repair and refit applications.

Companies who choose HONSA Tools share a common vision: to create a safer work environment. These companies recognize the importance of reduced injuries and lower worker compensation claims. By focusing on, and implementing, an ergonomic program that includes 21st century technology, they reduce costs, increase safety and productivity, improve employee relations and foster increased long-term corporate profitability.