# Krishna CORPORATION

Manufacturer & Exporter of Agricultural Implements
& their Spare Parts



## Disc Blade
## Rotavator Blade
## Cultivator Shovel

# *Welcome to Krishna Corporation*

Krishna Corporation is one of the leading company in India in manufacturing Rotavator blades and we are proud in maintaining our manufacturing quality of our blades which makes us stand today where we are. The ethos of our company is attaining utmost quality management along with customer satisfaction. We aim at catering to a bigger market segment hence we are constantly evolving ourselves and our infrastructure through long-term investment plans.
As a manufacturer, we understand the importance of meeting deadlines and are able to prioritize the customers' needs. Our passion and commitment to customer' requirements has earned us a reputation.

We have our range of wear parts under a brand called SIMBA JAPAN which is a registered trademark.
As with all of our manufactured equipment our belief is to create our machines to work simply and efficiently for the task, it is innovated to do, with least wearing parts, engineered to needed specifications utilizing quality matters and advanced design with the safety of functioning is a notable factor.



**Tushar Arya**
Marketing Director

**Vaibhav Arya**
Managing Director



## Our Vision!

Is to build an organization that relentlessly adds value in what it does (i.e. products) and for whom it does (i.e. customers) & through whom it does (i.e. employees)

## Our Mission!

We have a mission to regularly invest in new technologies & areas, launching fresh products and ensuring safety at workplace. The mission also includes providing dependable after sales solutions to clients.

# Standard and Quality

We aspire to be a global brand in terms of quality. We will provide products and services that meet or exceed our customers' needs. At **KRISHNA CORPORATION** it is our responsibility to "do it right the first time" and contribute to continuous improvement in all we do.

# Quality & Machinery

With our sheer hard work, exceptional and innovative techniques we became capable of providing the best quality product. We adhere to a strict quality management policy that permits the organisation to have a close look at what is not working for us in terms of standards, customer expectations, market rates, and product effectiveness whatever doesn't have the optimum standards we correct it and bring again to the system. Our expert quality testing engineers work with a detailed eye in the production process so that there is no scope for any flaw or mistake. This process and our hard work come into the limelight with the strong marketing and industry experience; we have a great hold on the market, singularly because of our quality & innovation. You can experience this in our every product and service, with so much love and support of our customers we have become the pioneering company of the agriculture industry. Our products have gained immense love and trust among the people who are living overseas and this milestone got achieved because of our technical perfection, dynamic design, quality, and high on-site performance coupled with strong design. Our company is totally customer-centric and aligns every step as per the client's needs.

# During our *quality check, our main emphasis is on:-*

Parts testing.

- Alignment testing.
- Wiring testing.
- General testing covers size, dimension, engine, angle, and overall performance check-up in various stimulations.

# Rotavator Blades



## L Type

Ideal for soft to moderately hard soils, effectively mixing crop residues, killing weeds, and preparing a fine seedbed with lower power consumption, making them great for general use and planting crops like wheat or vegetables where deep, tough breaking isn't the primary need.



## Maschio Type

essential farm tools used for breaking, mixing, and aerating soil to create a fine seedbed, incorporating crop residue, controlling weeds, and improving soil structure for better planting and yields in various soil types, from light soils to tough clay



## C Type

**ideal for general-purpose, deep tillage in hard, dry, or compact soils, effectively breaking clods, aerating the soil, and mixing crop residue for better root growth**

# Production Facility

## Machinery

*i) Semi Automated line with 1.5 million pieces capacity per annum with product design & testing facility*

*ii) Mechanical & hydraulic presses (50 to 300 tonnes capacity)*

*iii) Over head Cranes*

*iv) Geared drill machines*

*v) Lathe machines*

*vi) Heat treatment equipments*

*vii) General purpose machines tools*

*viii) Shot blasting machine*

*ix) Powder coating & painting facilities*

*x) Rockwell hardness tester*












# Premium Quality

**Characteristics:**

- Uniform Hardness: 48 +/- 2 HRC
- Italian grade boron steel ( 30mncrb5) with added chemical elements like vanadium, copper, aluminium , nickel & titanium
- Added chemical ensures the SIMBA JAPAN BLADES have optimal elasticity & resistance to shocks & strains
- Shot blasted & blue powder coated
- Hot-hardened & tempered
- Packed in graphic designed boxes for easy handling
- Readily available in two common sizes 14x57mm and 14x46mm
- Made for tough soil conditions
- Made as per international standards

# Product Ranges

| TYPE | FLAT SIZE | HOLE DIA | HOLE PITCH | SUITABILITY |
|---|---|---|---|---|
| L TYPE | 80X7 | 14.5 | 57 | SHAKTIMAN |
| | | | | FIELDKING |
| | | | | DASHMESH |
| L TYPE | 80X7 | 14.5 | 46 | SONALIKA |
| | | | | GARUD |
| | | | | SWAN |
| L TYPE | 80X7 | 14.5 | 44 | ZYROVATOR |
| L TYPE | 80X7 | 12.5 | 57 | SHAKTIMAN |
| L TYPE | 80X7 | 11.5 | 57 | HOWARD |
| L TYPE | 70X8 | 12.5 | 44 | MASCHIO |
| | | | | MAHINDRA |

# Chemical Composition

**Grade of Steel: 30MNCRB5**

| CHEMICAL COMPOSITION | | | |
|---|---|---|---|
| %C | | MIN. 0.27 | MAX. 0.32 |
| %SI | | MIN. 0.32 | MAX. 0.35 |
| %MN | | MIN. 1.15 | MAX. 1.35 |
| %P | | MIN. - | MAX. 0.040 |
| %S | | MIN. - | MAX. 0.040 |
| %CR | | MIN. 0.25 | MAX. 0.35 |
| %B | | MIN. 0.0025 | MAX. 0.0045 |

# Cultivator Shovel

*Cultivator Points/ Cultivator Shovels/ Cultivator Phalla*

## Characteristics:

- Hardness: 45 +/- 2 HRc. (boron steel)
- Hardness: 35 +/- 2 HRc. (high carbon)
- Integral hardening to avoid deformations and rupture.
- Product uniformity guaranteed by strict controls on quality and the production process.











## Uses

The cultivator points work parallel to the ground, cutting the roots and raising the plants, working to pull without upsetting the soil's contour. The thin, long cultivator points cultivate by breaking the hardened soil and crushing clods. The cultivator is used both before planting (to prepare the land) and afterwards in row cultivations, with the right lines.





# Cultivator Points/ Cultivator Shovels/ Cultivator Phalla



| Product Name | Size | Length( mm/inch ) | Hole Size(mm ) | Hole Distance (mm) | Hole Nos. | Weight/Unit( Kgs) | Weight/Set of 9pcs (Kgs) | Descriptio n of Steel |
|---|---|---|---|---|---|---|---|---|
| Cultivator Shovel | 56x8 | 355/14' | 12.5 | 45 | 3 | 0.86 | 7.74 | H.C/ H.C. Tempered |
| Cultivator Shovel | 58x10 | 355/14' | 12.5 | 45 | 3 | 1.15 | 10.35 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60x8 | 255/10' | 12.5 | 45 | 3 | 0.7 | 6.3 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60x8 | 2265/10. 5' | 12.5 | 45 | 2 | 0.75 | 6.75 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60x88 | 305/12' | 12.5 | 45 | 3 | 0.85 | 7.65 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60x8 | 330/13' | 12.5 | 45 | 2 | 0.975 | 8.775 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60x8 | 330/13' | 12.5 | 45 | 3 | 0.965 | 8.685 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60x8 | 335/14' | 12.5 | 45 | 3 | 1.05 | 9.45 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60x8 | 380/15" | 12.5 | 45 | 3 | 1.08 | 9.72 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60x8 | 405/16" | 12.5 | 45 | 3 | 1.05 | 9.45 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60/10 | 265/10.5" | 12.5 | 45 | 2 | 0.91 | 8.19 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60x10 | 305/12" | 12.5 | 45 | 2(A+A1) | 1.085 | 9.765 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60x10 | 305x12" | 12.5 | 45 | 3 | 1.08 | 9.72 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60x10 | 355/14" | 12.5 | 45 | 3 | 1.325 | 11.925 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60x10 | 380/15" | 12.5 | 45 | 3 | 1.4 | 12.6 | H.C/ H.C. Tempered |
| Cultivator Shovel | 60x10 | 430/17" | 12.5 | 45 | 3 | 1.625 | 14.625 | H.C/ H.C. Tempered |
| Cultivator Shovel | 62x8 | 380/15" | 12.5 | 45 | 2 | 0.9 | 8 | H.C/ H.C. Tempered |
| Cultivator Shovel | 62x8 | 405/16" | 12.5 | 45 | 2 | 1 | 9 | H.C/ H.C. Tempered |
| Cultivator Shovel | 62x8 | 405/16" | 12.5 | 45 | 3 | 1 | 9 | H.C/ H.C. Tempered |
| Cultivator Shovel | 62x8 | 430/17" | 12.5 | 45 | 2 | 1.1 | 10 | H.C/ H.C. Tempered |
| Cultivator Shovel | 62x8 | 430/17" | 12.5 | 45 | 3 | 1.1 | 10 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x7 | 305x12" | 12.5 | 45 | 2 | 0.9 | 8.1 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x7 | 330/13" | 12.5 | 45 | 3 | 0.95 | 8.55 | H.C/ H.C. Tempered |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Cultivator Shovel | 70x7 | 355/14" | 12.5 | 45 | 3 | 1 | 9 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x7 | 380/15" | 12.5 | 45 | 3 | 1.1 | 9.9 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x7 | 430/17" | 12.5 | 45 | 3 | 1.25 | 11.25 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x8 | 305/12" | 12.5 | 45 | 2 | 1 | 9 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x8 | 330/13" | 12.5 | 45 | 3 | 1.085 | 9.765 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x8 | 355/14" | 12.5 | 45 | 3 | 1.15 | 10.35 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x8 | 380/15" | 12.5 | 45 | 3 | 1.27 | 11.43 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x8 | 430/17" | 12.5 | 45 | 3 | 1.43 | 12.87 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x10 | 305/12" | 12.5 | 45 | 2 | 1.2 | 10.8 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x10 | 330/13" | 12.5 | 45 | 3 | 1.3 | 11.7 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x10 | 355/14" | 12.5 | 45 | 3 | 1.4 | 12.6 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x10 | 380/15" | 12.5 | 45 | 3 | 1.5 | 13.5 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x10 | 430/13" | 12.5 | 45 | 3 | 115 | 15.3 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x11 | 305/12" | 12.5 | 45 | 3 | 1.235 | 11.115 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x11 | 330/13" | 12.5 | 45 | 3 | 1.38 | 12.42 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x11 | 355/14" | 12.5 | 45 | 3 | 1.635 | 14.715 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x11 | 380/15" | 12.5 | 45 | 3 | 1.8 | 16.2 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x11 | 430/17" | 12.5 | 45 | 3 | 2.1 | 18.9 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x13 | 355/14" | 12.5 | 45 | 3 | 1.955 | 17.595 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x13 | 380/15" | 12.5 | 45 | 3 | 2.15 | 19.35 | H.C/ H.C. Tempered |
| Cultivator Shovel | 70x13 | 430/17" | 12.5 | 45 | 3 | 2.42 | 21.78 | H.C/ H.C. Tempered |
| Cultivator Shovel | 80x7 | 355/14" | 12.5 | 45 | 3 | 1.15 | 10.35 | H.C/ H.C. Tempered |
| Cultivator Shovel | 80x7 | 380/15" | 12.5 | 45 | 3 | 1.3 | 11.7 | H.C/ H.C. Tempered |

# Disc Blades








## Disc Specification

**Material**

**High Carbon Steel**
**Chrome Steel**
**Boron Steel**

**Sizes**

**Diameter - 12” to 30”**
**Thickness - 3mm to 10mm**

**Types of Discs**

**Harrow Disc-Plain & Notched**
**Plough Disc**
**Center Flat Disc**
**Center Conical Disc**
**Flat Coulter Disc**

| |
|---|
| Round |
| Square |
| Square Round |
| Square Clover Leaf |
| Hexagonal Clover Leaf |
| Hexagonal |
| Rectangular Cover Leaf |
| Round Square Clover Leaf |
| Dual Square |
| Dual Square Clover Leaf |
| Key Hole |

| Dia. Inch | mm | Type | Thick mm | Concavity |
|---|---|---|---|---|
| 16 | 410 | Plain | 3 | 37 |
| 16 | 410 | Notched | 3 | 37 |
| 18 | 460 | Plain | 3.5 | 46 |
| 18 | 460 | Notched | 3.5 | 46 |
| 18 | 460 | Plain | 4 | 46 |
| 18 | 460 | Notched | 4 | 46 |
| 20 | 510 | Plain | 4 | 57 |
| 20 | 510 | Notched | 4 | 57 |
| 20 | 510 | Plain | 4.5 | 57 |
| 20 | 510 | Notched | 4.5 | 57 |
| 22 | 560 | Plain | 4 | 68 |
| 22 | 560 | Notched | 4 | 68 |
| 22 | 560 | Plain | 5 | 68 |
| 22 | 560 | Notched | 5 | 68 |
| 24 | 610 | Plain | 5 | 81 |
| 24 | 610 | Notched | 5 | 81 |
| 24 | 610 | Plain | 6 | 81 |
| 24 | 610 | Notched | 6 | 81 |
| 26 | 660 | Plain | 5 | 97 |
| 26 | 660 | Notched | 5 | 97 |
| 26 | 660 | Plain | 6 | 97 |
| 26 | 660 | Notched | 6 | 97 |
| 28 | 720 | Plain | 6 | 102 |
| 28 | 720 | Notched | 6 | 102 |
| 28 | 720 | Plain | 7 | 102 |
| 28 | 720 | Notched | 7 | 102 |





# Rotavator



## Features

- Less Maintenance
- High quality blades
- Regional price
- 5 ft. suitable for 30 hp tractor
- Best suitable for pudding
- Multi Speed Gear Box
- Adjustable lower hitch brackets
- Boron steel L type Blades
- Gear Driven Side Transmission in oil bath
- Adjustable depth skid with ABREX materials -long life
- 6 feet and 7 feet model available with full housing
- Drive line safety device-slip clutch/ shear bolt
- Multi lip oil seal - Better sealing, long life, Maintenance free

## Advantages

- High quality blades
- Regional price
- 5 ft. suitable for 30 hp tractor
- Best suitable for pudding
- Multi Speed Gear Box
- Adjustable lower hitch brackets
- Boron steel L type Blades
- Gear Driven Side Transmission in oil bath

# Cultivator Implements

## Farm Cultivator

- 5 Tyne
- 7 Tyne
- 9 Tyne
- 11 Tyne





## Features

- Suitable for use in stone and root obstructed soil.
- It is designed for toughest operations.
- Used for loosening and aerating soil to a depth of 9 inches.
- Prepares seed beds quickly and economically.
- When one tine strikes a hidden object, the others continue to work at the correct depth.

# Rotavator Parts



Rotavator Gears



Rotavator Axles



Rotavator Housing



Yokes and Cross



Rotavator Axles



Rotavator PTO Shaft



Rotavator Rotar



Rotavator Chain Cover



Multispeed Rotavator Gear Box



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