

# CHALLENGER ALPHA

## ROTARY TILLER

### Salient Feature

- Challenger tillage rotary tiller is a secondary tillage implement offering best in class pulverization and optimum seed germination.
- Robust hitch pyramid for better load distribution.
- Equipped with heavy duty multispeed gearbox for wider range of rotor speed.
- Ensures excellent cutting and mixing of crop residue.
- Renowned 13x23 Crown pinion for heavy duty work.

World's only rotary tiller with robust dual tubular & angular support for eliminating mechanical vibrations to almost zero.

**BOSS**  
OF TILLAGE



AVAILABLE IN SINGLE & MULTISPEED //



#T&C apply



# CHALLENGER ALPHA

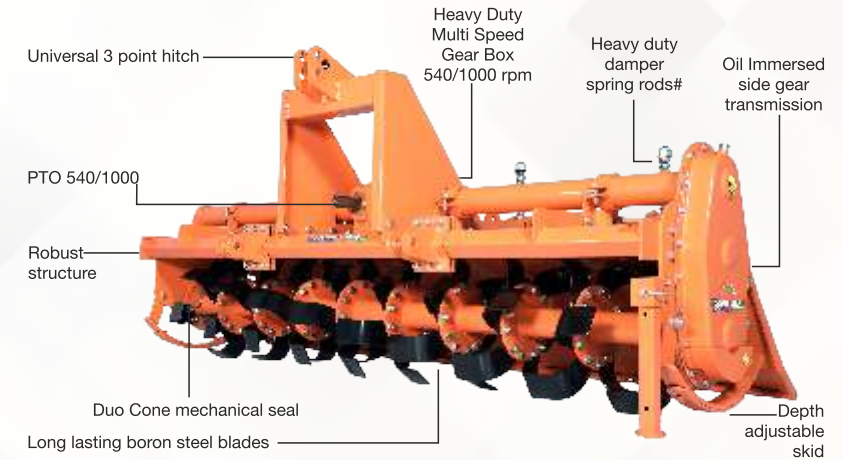
## ROTARY TILLER



### WALK AROUND CHALLENGER ALPHA

## TECHNICAL SPECIFICATION

SIZE	5 Feet	5.5 Feet	6 Feet	7 Feet	8 Feet	9 Feet	10 Feet
Tillage width (in/cm)	59/149	66/168	69/175	79/200	87/220	106/269	114/291
Total Width (in/cm)	70/179	77/194	80/204	90/230	98/249	118/298	126/320
Total Length (in/cm)	35/90	35/90	35/90	35/90	35/90	35/90	35/90
Height (in/cm)	44/112	44/112	44/112	44/112	44/112	44/112	44/112
Weight (KG) Approx	430	445	460	490	536	570	640
PTO Speed RPM	540/1000	540/1000	540/1000	540/1000	540/1000	540/1000	540/1000
No. Of Blades	36	36/39	42	48	54	60	66
Types of Blades	L/C	L/C	L/C	L/C	L/C	L/C	L/C
Suitable Tractor HP	45-50	50-55	50-55	55-60	60-65	70-75	75-90
3-Point Hitch Type	Cat-II	Cat-II	Cat-II	Cat-II	Cat-II	Cat-II	Cat-II
Transmission type	GEAR	GEAR	GEAR	GEAR	GEAR	GEAR	GEAR
Rotor tube diameter (in/cm)	3.5/9	3.5/9	3.5/9	3.5/9	3.5/9	3.5/9	3.5/9
Rotor Swing dia (in/cm)	18/46	18/46	18/46	18/46	18/46	18/46	18/46
Driveline safety Device	SHEAR BOLT	SHEAR BOLT	SHEAR BOLT	SHEAR BOLT	SHEAR BOLT	SHEAR BOLT	SHEAR BOLT



#4 no. of damper spring for 7 feet & above variants.

\*The Product & Specifications are subject to change/discontinue without any notice on the sole discretion of manufacturer.



**DUO CONE MECHANICAL OIL SEALS**



**AVAILABLE WITH L&J TYPE BORON STEEL BLADES**



**HELICAL ARRANGEMENTS OF BLADES**



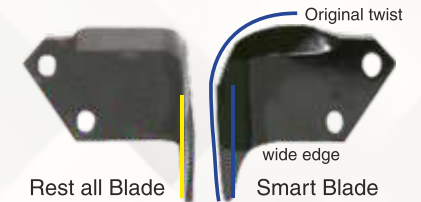
**ROBUST STRUCTURE FOR HEAVY VIBRATION FREE FILED OPERATION**



**OIL IMMERSED SIDE BEARING**

A		B		ALPHA		SIDE GEAR	
13	22	13	22	20 -	Pinion 13	13	23
15	20	15	20	35 -	Crown 23	15	23
16	19	16	19	28 -		16	23
17	18	17	18			17	23
18	17	18	17			18	23
19	16	19	16			19	23
20	15	20	15			20	23
				540		1000	
						238	

### Boron Steel Blades



- 20% longer life.
- Hard to break & bend.
- Saves money & time.

AVAILABLE IN SINGLE & MULTISPEED

# SONALIKA INDUSTRIES

( A UNIT OF INTERNATIONAL CARS & MOTORS LTD.)

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Auth. Dealer