

# TDNG 300E



NO-TILL



## TDNG 300E

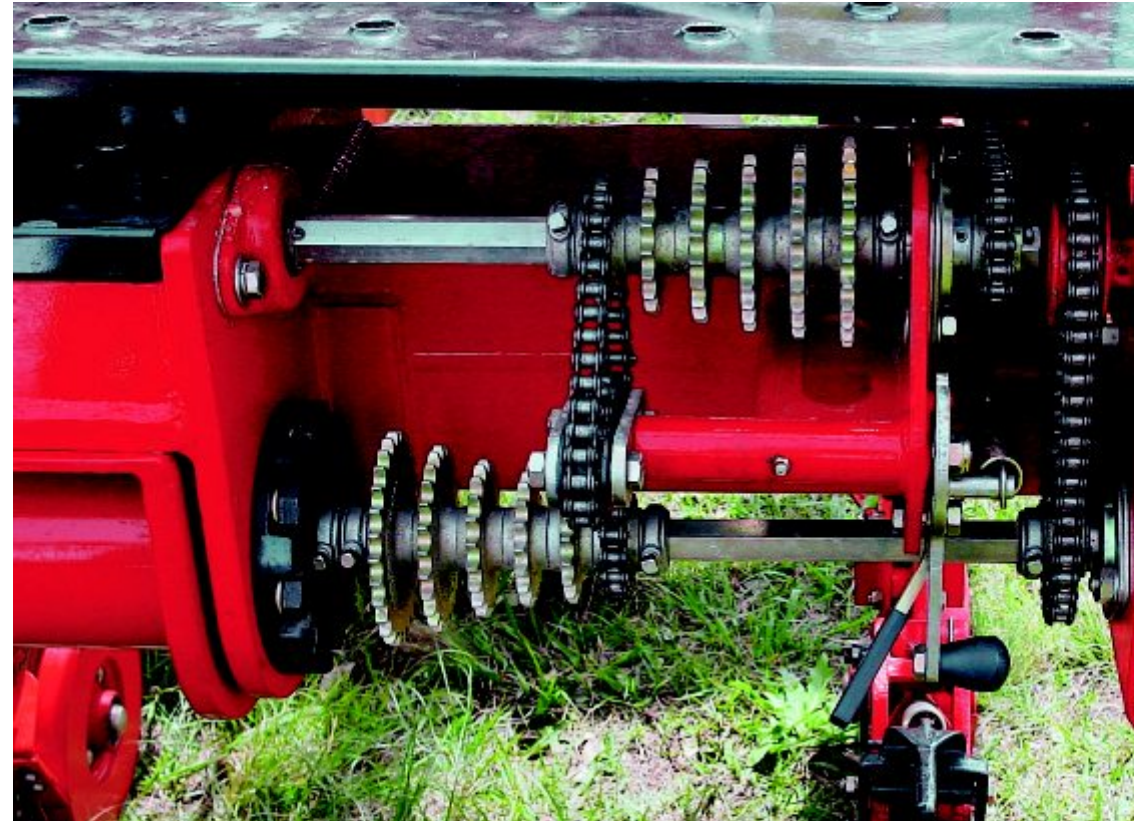
TDNG 300E is a versatile machine that enables the no-till of small grains with precision. The fluctuation of the rows set, furrow opener and drive wheel, enables the seeding on irregular terrains with great efficiency.

The most advanced technology combined with SEMEATO's tradition on building seeding drills, was used to develop this seeding machine that is more reliable, more accurate, and above all, more productive than the others in the market.

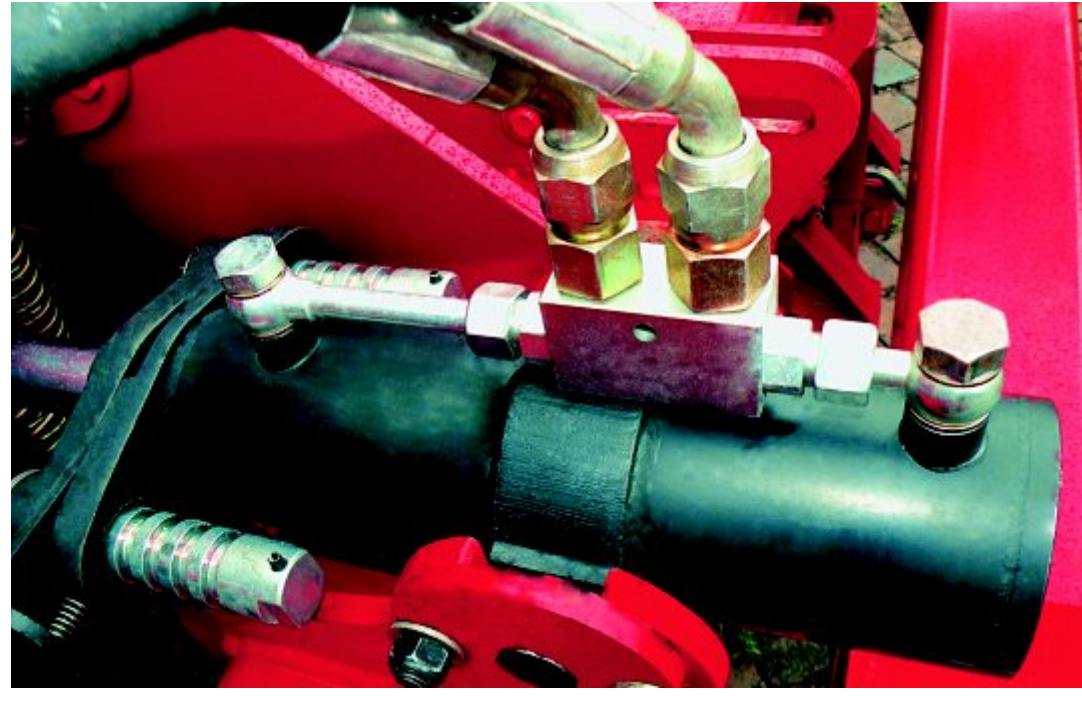


### GEAR BOX

### HYDRAULIC SYSTEM



TDNG 300E has the most versatile seed/fertilizer gear box in the market. It features two sets of main sprockets assembled in the box, in order to vary shaft speed. Allowing 36 combinations in total for seed and fertilizer distribution.

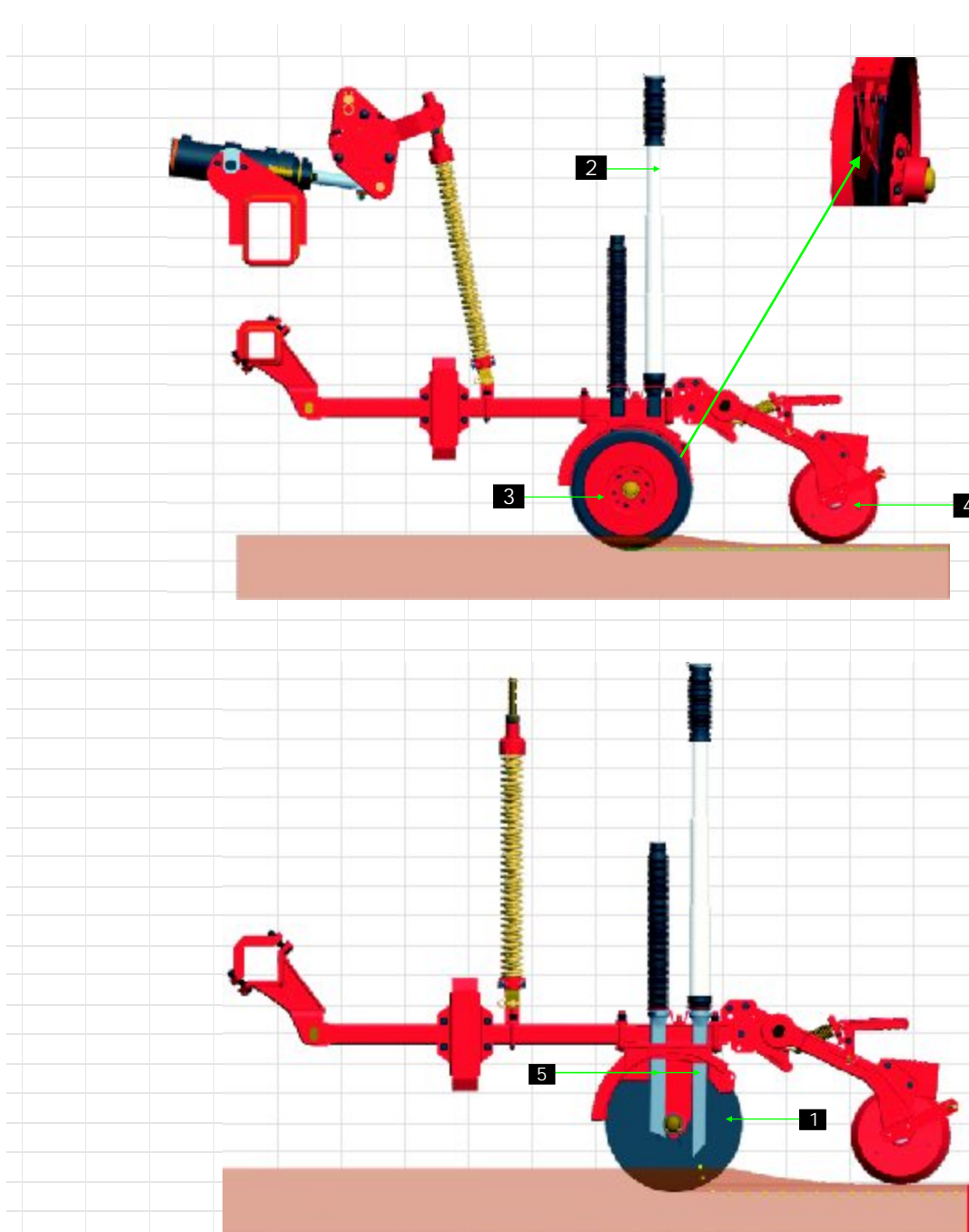


Composed by two hydraulic cylinders that act directly on the furrow opener alternator shaft. The course of the cylinder can be adjusted in six different positions, varying the pressure on the springs (higher or smaller pressure) where the furrow openers are assembled.

### SEED / FERTILIZER ROW

\* Seed/ Fertilizer Row: TDNG Seed/ Fertilizer rows allow great fluctuation, which makes seeding on uneven terrains easier and more efficient.

- 1 Double Disk Furrow Opener is available with different size disks (15" and 16"), assembled at the same center and reduced angle. Equipped with double disk scrapers, which provides a combination of adjustable scrapers formed in such a way that the entire inner surface of the disks will be thoroughly scraped and cleared of all mud and dirt.
- 2 \* Telescopic Seed/ Fertilizer Tubes keeps the meter full at all times yet extremely reliable and allows excellent row unit flexibility up and down.
- 3 Depth Control Ring for accurate furrow opening and precise seed placement. It also features a depth control ring scraper, which removes the mud and dirt from the ring surface.
- 4 \*NG Pressing Wheels gently firms around the seed, without compacting soil directly above. This process eliminates air pockets, avoids crusting, and creates positive seed-to-soil contact. Seed gets the best shot at quick germination for an even stand.
- 5 Straight Seed Tubes deposit seed closer to the bottom of the opener. It can also be easily removed (without the utilization of any tools) for inspection or substitution.

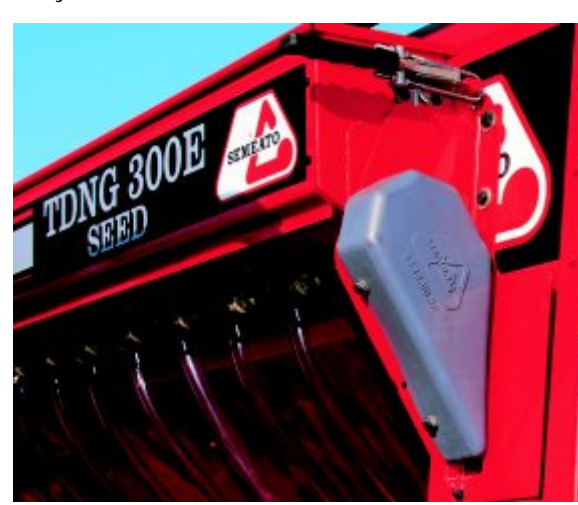


### OPTIONAL ITEMS

- Heavy duty no-till markers are available with structural integrity and weight needed to penetrate no-till residue in the soil.
- Hydraulic lateral end tow.
- Flat Coulter Disks suited for high crop residue no-till field conditions.
- Electronic Hectare Counter an easy operation monitor that holds functions such as: working time and working speed.

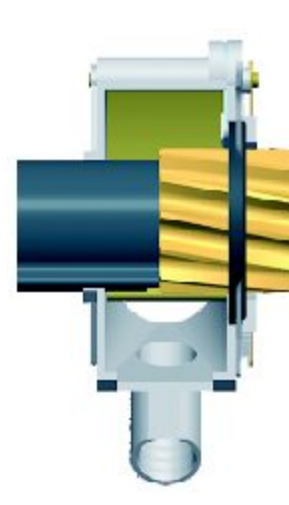
#### PASTURE BOX

Equipped with distributors projected to dose extremely small seeds, such as: canola, rye grass and alfalfa. The volume variation occurs through the adjustment of the seed metering system.



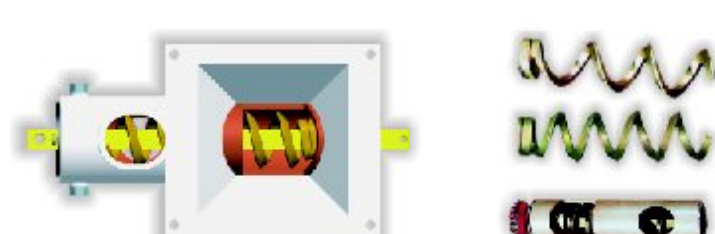
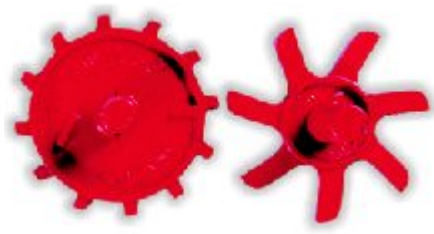
#### SEED METERING

Fluted Feed Cup Semeato's exclusive fluted feed cup delivers with outstanding accuracy. Whether the seed you are drilling is small or fragile our time proven metering system will deliver the rate you choose, evenly and gently.



#### FERTILIZER METERING

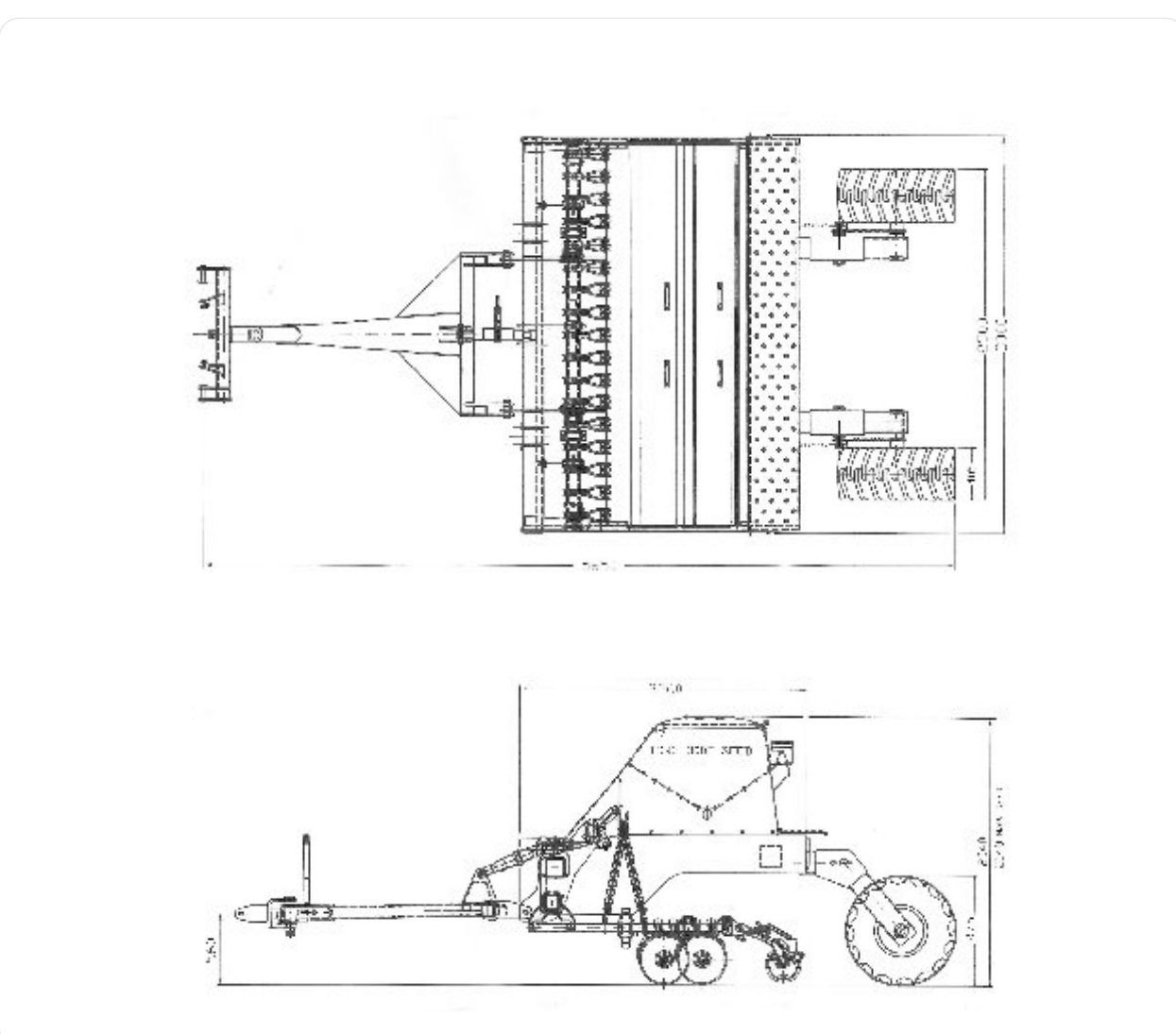
Star feed wheel of 7 or 12 teeth. The regulation is done through a lever that varies the opening of the controllers, which regulates the fertilizer exit.



Auger Metering System - PVC tube was incorporated to the auger metering system in order to facilitate cleaning and auger changing. The auger metering attachment maintains an accurate delivery of granular fertilizer, adjusted by changing chain sprockets to alternate its rotation speed.

### TECHNICAL SPECIFICATIONS

TDNG 300 E	
Number of rows	17 rows
Spacing between rows	17 cm
Working width	289 cm
Tractor power requirement	95 cv
Recommended working speed	4 to 8 km/h
Work capacity	1.7 to 2.1 ha/hour.
Seed box capacity TDNG E Seed	1600 L ~ 1200 kg
Seed box capacity TDNG 300 E	
Minimum	700 L ~ 546 kg
Maximum	910 L ~ 710 kg
Fertilizer box capacity	
Minimum	650 L ~ 735 kg
Maximum	870 L ~ 985 kg
Pasture box capacity	80 L
Tire	400/60 - 15.5/14
Standard weight	2980 kg
Weight (counterweight + NG press wheel)	3720 kg
Weight (counterweight + NG press wheel + depth control ring)	4120 kg



SEMEATO Farm Machinery Co.  
Passo Fundo - RS - Brazil  
Telephone: +55 54 2103-2900  
Facsimile: +55 54 2103-2901  
export@semeato.com.br  
www.semeato.com.br

Due to all efforts for continued product improvement SEMEATO reserves the right to change any specifications or component without previous notice.  
By Semeato Marketing Department. Photos Rodrigo Deggerone.  
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