

DISC TRENCHER



FERRO S.A.
maquinaria agrícola

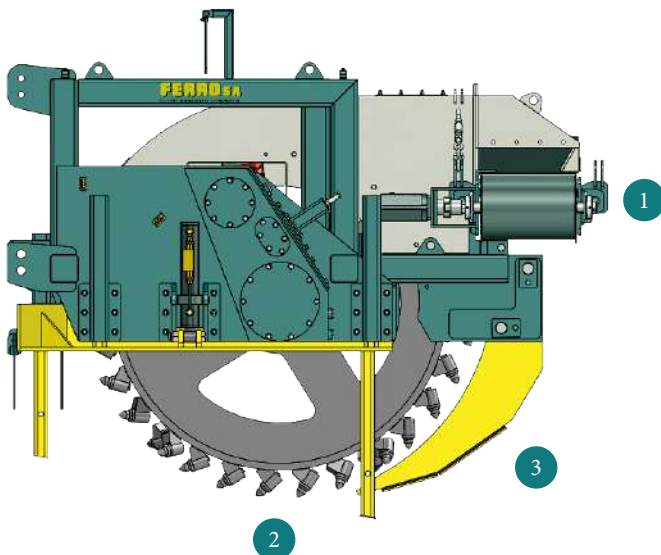


FERRO S.A. TRENCHERS

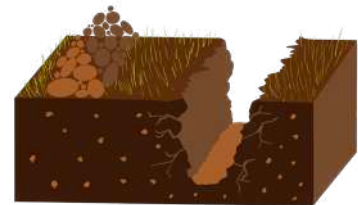
Specifically designed for trenching, creating drainage channels, and burying pipes or cables.

The trencher operates by transmitting the power take-off to the reduction gear, lowering the rotational speed.

This gear, with side outputs connected to an elastic safety coupling, drives a triplex chain that powers the main shaft and the disc.

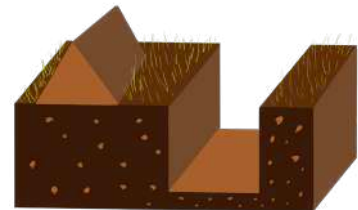


With other methods








The extracted material is irregular in size, creates unstable trench walls, and is often unsuitable for backfilling without prior crushing or replacement.

With the Trencher



The machine produces uniform material, free from clods and stones, creating smooth, compact trench walls. It ensures precise control of width and depth, avoiding over-excitation and allowing efficient, immediate backfilling.

Model	 n° Spades	 (mm)	 Transmisión	 (CV)	 (Kg)
RD 400-150	30	(A) 400x150 (B)	Duplex chain	110	1.350
RD 500-150	40	(A) 500x150 (B)	Duplex chain	110	1.550
RD 600-200	55	(A) 600x200 (B)	Triplex chain	150	2.650
RD 800-200	75	(A) 800x200 (B)	Triplex chain	180	3.500
RD 900-200	96	(A) 900x200 (B)	Triplex chain x2	200	4.400
RD 900-300	126	(A) 900x300 (B)	Triplex chain x2	250	4.590
RD 900-400	167	(A) 900x400 (B)	Triplex chain x2	250	4.800

*Other options upon request: Hydraulic skid kit / Reinforced 1,000 RPM gearbox

**Specifications are for reference only. Maquinaria Agrícola Ferro reserves the right to make modifications to meet customer needs.

TECHNICAL CHARACTERISTICS

The FERRO S.A. Trencher is custom-designed for each client, ensuring it meets the specific requirements of the project.

It is manufactured to order, adapting the disc width and diameter to the type of trench required. Its toothed metal wheel allows efficient operation in both hard and soft soils, reaching different depths thanks to the skids that regulate working depth.

It features a conveyor belt system for lateral removal of the excavated material, which can be used to close the trench once the job is complete.

In addition, a deflector claw helps redirect the soil toward the ribbed conveyor belt.

Conveyor Belt

Ensures efficient and continuous removal of excavated material while remaining durable and reliable under all working conditions.



1

Disc

Fitted with heavy-duty picks for precise and long-lasting trenching.



2

Claw

Effectively cleans the trench, ensuring a flawless finish on any terrain.



3

ACCESSORIES

The FERRO S.A. disc trencher stands out for its versatility and adaptability, offering custom configurations to meet each client's specific needs.

Among the available options are various conveyor belt setups, allowing the material to be discharged to either side, both sides, or even backfilled into the trench using the same excavated material—making cable or pipe installation possible in a single pass.

This flexibility ensures an optimal and efficient solution for applications such as irrigation systems, cable laying, drainage, and fence construction.

With FERRO S.A., each machine is tailored to your project, guaranteeing precise and high-quality results.



HOW DOES IT WORK?

The operation of the FERRO, S.A. trencher is divided into the following steps:

Central Transmission: Power take-off drives the reduction gear via a universal joint, reducing speed.

Side Distribution: One or two side outputs (depending on the model) are connected to an elastic safety joint to prevent overload.

Secondary Reduction: Motion is transferred via duplex or triplex chain to a gearbox, where speed is reduced again.

Disc Drive: The gearbox powers the main shaft and disc fitted with picks for trenching.

Material Removal: A hydraulic motor drives the conveyor belt to unload excavated material. Discharge setup can be customized.

Depth Adjustment: Adjustable skids allow precise control over working depth.

With this efficient system, FERRO trenchers ensure high-performance trenching with precision and reliability.

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