

# Master the Ground

CA Soil Rollers, Full Range







# Innovative Power for Modern Construction

## SOIL ROLLERS

Soil rollers are essential in construction for compacting various soil types and gravel. They ensure a stable foundation by reducing air voids and increasing soil density, which prevents settling and enhances load-bearing capacity. Dynapac's rollers are developed to deliver exceptional performance and durability, making them a trusted choice for construction professionals worldwide.

## WHO ARE DYNAPAC?

Since 1934, Dynapac has been at the forefront of product development, pioneering innovations such as the world's first self-propelled roller. Our commitment to continuous improvement ensures that our products not only meet the highest quality standards but also lead the way in environmental sustainability.

Committed to being *Your Partner on the Road Ahead*, we enhance your profitability, safety, and environmental stewardship. Our extensive history and stability, strengthened by the Fayat Group, make us a reliable navigator and co-driver on your journey.

# Efficiency at Any Scale

Whether you're working on large-scale projects or specialized tasks, our range of rollers comes in various sizes to suit your needs. All delivering the same **high-quality performance**.

Large Soil Roller

CA6000D at worksite Verkö, Sweden



# Soil Rollers for Every Worksite



CA1300–CA1400

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- Pipe trench compaction
- Bicycle lanes
- Parking lots
- Large building foundations

The exceptional maneuverability of the small Dynapac soil rollers makes them ideal for cramped spaces and steep slopes, ensuring efficient compaction even in challenging areas. They are also well-suited for different types of repair work.



CA1500–CA4000

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- General Road Construction
- Airfields
- Harbor projects
- Industrial constructions

Dynapac's medium rollers are used to compact all types of soil. These versatile machines are built for long working days under demanding conditions. The padfoot version excels on cohesive materials.



CA4600–CA6500

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- Rock fill Applications
- Large-scale projects
- Dam construction

The largest Dynapac rollers are heavy machines suitable for the most demanding tasks. They can compact rock fill in layers up to 2 meters thick, with stones as large as 1 meter in diameter, making them truly reliable in tough conditions.

# Efficient and Sustainable

## Innovative Technology

Discover the advanced features of Dynapac's soil rollers, designed to enhance efficiency and sustainability. Our machines incorporate cutting-edge technology to optimize performance, reduce fuel consumption, and increase productivity. With a focus on eco-friendly operation

and reliable functionality, Dynapac's rollers meet the demands of modern compaction, ensuring superior results in various applications. The innovative systems work seamlessly together to provide consistent, high-quality performance and greater operator comfort.



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## SEISMIC

Dynapac's smart SEISMIC SOIL system automatically detects the optimum compaction frequency. It requires less fuel, reduces carbon footprint, and increases productivity up to 40%.

**55%**  
Less fuel required

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## Efficiency Eccentrics

Our Efficiency Eccentrics system optimizes the start-up procedure, cutting energy consumption. This results in significantly less wear and tear, and requires less fuel.

**50%**  
Less power to start

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## EcoMode

EcoMode greatly reduces fuel usage while maintaining necessary vibration frequency. It also lowers noise and energy consumption, with fans adjusted to cooling needs.

**15%**  
Less fuel used

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## EcoSave

EcoSave takes sustainable compaction one step further by automatically shutting down the engine after a pre-set time in idling, without disrupting the machine's workflow or operation.

**10s**  
Automatic idling

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## High Climb

With Dynapac's High Climb traction system, the machine can achieve 55% gradeability in both forward and reverse, which is ideal for compaction in trenches.

**55%**  
Gradeability

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# Perfect View to All Sides

Dynapac rollers are engineered to provide exceptional operator comfort and visibility through their **unique 180° rotating workstation.**

## Two-Way Comfort

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The 180° rotating workstation ensures optimal comfort whether you're moving forward or in reverse. This innovative design allows operators to maintain a natural posture, reducing fatigue and enhancing productivity. The ergonomic setup supports long hours of efficient operation.

## Full Control

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With an unobstructed view of the working area and surroundings, operators have full control over the compaction process. The sloping engine hood and clear sightlines to the front beam enable precise maneuvering. This design ensures that every pass is accurate.

## ISO5006

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Dynapac rollers meet the ISO5006 visibility standards, proving they hit the mark for operator visibility. This certification shows our commitment to safety and quality, giving operators a peace of mind that their equipment is designed to the highest visibility standards.

## Full station swivel 180°

Experience unmatched flexibility with our 180° rotating workstation. Unlike traditional setups, the entire station, including the steering wheel and controls, moves with you.

### -90°

Left view



### 0°

Front view



### 90°

Right view



## Rotating seat

Full workstation swivel 180°

## Serviceability

Shorter connected houses, cross mounted engine, maintenance free hitch

## Energy efficient

With Dynapac patented innovations SEISMIC and Efficiency Eccentrics

# Your Partner on the Road Ahead



# Custom-Built for Your Needs

With our **wide range of customization options**, you have the freedom to create a roller that perfectly suits your needs and preferences.



# The Choice is Yours

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## Engine

The Dynapac CA range is powered by reliable engines from Cummins, Deutz, Kubota and Yanmar. Depending on your needs we offer Stage V, T4f and IIIA/T3 engine alternatives.

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## Cabin

The rollers can be equipped either a with ROPS/FOPS or a cab. The enclosed cab has two spacious choices of standard where you can add an optional AC or a comfort cab where you get an ACC, BT radio, better noise insulation among other features. The choice is yours!

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## Traction

There are 5 types of traction systems to suit your needs. Single speed is available with or without the option of a flow divider. With dual speed you get 2 manual gears and a limited slip rear axle. Traction Control has 4 manual gears and alerts when you should change gears. Antispin solves this for you with a fully automatic gearbox. To even further improve our great gradeability, High Climb is an option for CA2500 and CA3500.

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## Equipment

To further enhance your productivity with the machine it is possible to equip it with PD shell kits, different types of scrapers, extra lights, DynaLyzer among many other options.

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## Appearance

The Dynapac machines can of course come in other colors (even if we sure love the Dynapac red the most) to fit your machine park.

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# Tough in Action, Easy to Maintain



## ACCESS TO ALL POINTS

Dynapac's service concept makes all service points easy to reach. With an easily opened engine hood and cross-mounted engine you have excellent access for all service and maintenance needs. Hydraulic pumps are in line with the engine and fully accessible for service. The hitch is maintenance free with no need for lubrication.

## LONGER DRUM SHELL LIFESPAN

To ensure maximum roller lifespan, we offer the thickest drum shell in the class – approximately 10 mm thicker than average. This extra thickness means the drum shell doesn't need to be replaced as quickly, enhancing durability and efficiency over time. With normal wear, our rollers have a lifespan that's up to 5 years longer.

Every detail in Dynapac's design is meticulously crafted. From innovative features to accessible service points, **our rollers are built to deliver exceptional performance and longevity**, making them easy to care for throughout their lifespan.



#### LESS MACHINE WEAR WITH ECO FEATURES

Our eco features significantly reduce machine wear by optimizing engine performance. By minimizing unnecessary engine operation and lowering energy consumption during start-up, these innovations help save fuel and decrease wear and tear. The result is enhanced efficiency and longer machine life.

#### EASY TO TRANSPORT

Thanks to the cross-mounted engine, our soil rollers are shorter which makes them highly space-efficient and simplifies transportation. This design also enhances maneuverability with an excellent turning radius. Users will benefit from reduced transportation costs, easier storage, and improved efficiency on the job site.

# Effortless Precision



Discover the power of our SEISMIC SOIL system. It is the **only fully automatic technology** on the market combining superior performance with effortless operation – without additional training.

## WHAT IS SEISMIC?

With the one-of-a-kind SEISMIC SOIL system, you get high-quality results, increased productivity, and energy efficiency, as well as operator comfort and simplicity. SEISMIC monitors the natural frequency of the drum and soil system. The drum vibration frequency is continuously adjusted to deliver the best compaction result in the most energy efficient way. All of this happens automatically and in real-time. Operation is seamless with the system adjusting five times per second.

## ENERGY AND COST EFFICIENT

By utilizing SEISMIC technology, the number of compaction passes can be reduced by up to 30% in some applications, which not only saves time but also reduces fuel consumption and equipment wear. When vibrating at the natural frequency, the drum's amplitude is optimized, as energy is efficiently supplied at the perfect time. This ensures effective compaction with minimal energy as well as cost and fuel savings of up to 55%.

## SCIENTIFICALLY PROVEN

Results are proven with studies by KTH Royal Institute of Technology and VTI (Swedish National Road and Transport Research Institute) confirming SEISMIC SOIL technology improves compaction efficiency, reduces fuel consumption, and decreases environmental impact.

## OPERATOR'S BEST FRIEND

By working in harmony with the material being compacted, SEISMIC prevents issues like bouncing and aggregate crushing. This fully automatic compaction process eliminates guesswork by the operator, ensuring optimal performance regardless of the material or layer type. The machine operates at a lower noise level and transmits fewer vibrations to the cab, thanks to reduced frequency levels. Moreover, the roller works in harmony with the soil, ensuring a smooth operation without any bouncing.

SEISMIC SOIL technology represents a leap forward in sustainable, efficient, and high-quality compaction.



## Higher Comfort

Less noise and vibrations in the cab

## Energy Efficient

Uses up to 55% less fuel

## Quality Results

Auto-detects optimal frequency

Discover all the  
SEISMIC benefits

Scan the QR  
code or visit  
[dynapac.com](http://dynapac.com)

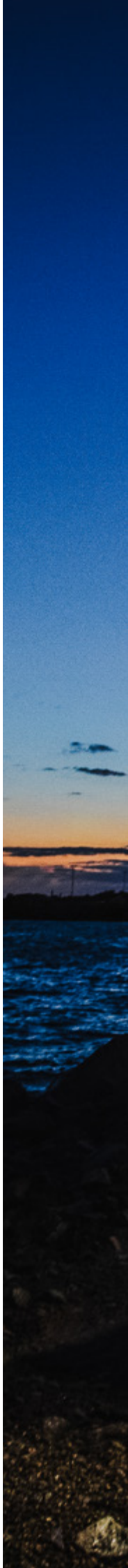
# Find Your Perfect Fit

At Dynapac, we know that one size doesn't fit all. That's why we offer a wide range of soil rollers to meet your specific needs.

	Operating mass*		Static linear load		Drum width	
	kg	lbs	kg/cm	pli	mm	inch
CA1300D	4950/5120	10,915/11,290	13/15	73/84	1370	54"
CA1400D	6650	14,700	20	112	1676	66"
CA1500D	7200	15,900	21	117		
CA2500D	10300	22,710	26	146		
CA2800D	12200	26,900	36	202	2130	84"
CA3500D	12100	26,700				
CA3600D	12500	27,600				
CA4000D	13300	29,300	41	230		
CA4600D	13700	30,200				
CA5000D	16200	35,700	50	280		
CA5500D	18400	40,600	55	308		
CA6000D	19500	43,000	60	336		
CA6500D	20900	46,100	65	364		

\*Including cab

Explore more data at [dynapac.com](https://www.dynapac.com)





# Dynapac is the Rolls Royce of soil rollers

– Martin Cederholm, Cederholms Dumper & Entr. AB



# Questions? We're Happy to Help

Find your closest dealer at [dynapac.com](https://www.dynapac.com)

