



MORGAN VEE MINI-BLOCK INCREASING PRODUCTIVITY BY UP TO 50 PERCENT

Morgan Vee Mini-Blocks are installed either after an existing finishing block to increase mill speed and product range, or as a pre-finishing mill to precisely roll a wider range of sizes. They can also be utilized as the last stands in a rebar mill to increase output speed.

Available in both a 2- and 4-stand configuration, the Morgan Vee Mini-Block is based on the latest patented Morgan No-Twist® and Morgan Reducing/Sizing Mill technology, with interchangeable roll housing possible between the three types of blocks. Depending on production conditions, the Morgan Vee Mini-Block can be equipped with 300 mm, 250 mm, 230 mm or 160 mm UHD (ultra heavy-duty) roll housings, suitable for product ranges from 4 to 35 mm. A new modular design is also available.

FIELD OF APPLICATION

Long rolling mills

MAIN BENEFITS

The Morgan Vee Mini-Block offers a simple way to make existing mills more profitable by increasing size range, speed and quality. Added to existing rod and bar mills, it can increase productivity, permit the rolling of more sizes, enable rolling at lower temperatures and offer refined control of product dimensions for improved tolerance.

Ideally suited for mills producing wire rod in the range of 4 to 26 mm, the Morgan Vee Mini-Block, when positioned after a Morgan No-Twist Mill, provides dramatic increases in rolling rates, especially for 5.5 and 6 mm rod, with associated increases in productivity up to 50 percent.

Used in place of conventional stands, the Morgan Vee Mini-Block minimizes downtime with carbide rolls and easy pass and roll changing.

Mechatronic packages are available to monitor bearing temperatures and lube oil water content.

The small footprint makes it ideal for retrofit situations, while its ability to be located either upstream or downstream of the finishing mill allows mill owners to determine which benefits meet their strategic goals.



Morgan Vee Mini-Block set for production



Morgan Vee pre-finishing mills

PRODUCT FEATURES

High load capacity

Capable of speeds over 120 m/s

Low temperature rolling capability of 750°C

Separating force capacity of 470 kN (on the 300 mm)

Interchangeable stands with Morgan No-Twist Mill and Morgan Reducing/Sizing Mill

Small footprint for ease of installation

TECHNICAL DATA

Stand configuration	2 or 4 stand
Roll module size	300, 250, 230 or 160 mm
Product size wire rod mill	4 - 26 mm
Product size bar mill	Up to 35 mm Rebar 32 mm
Roll mounting	700 - 950 mm

SERVICES

- Integration engineering - customized solutions
- Erection advising - planning and supervision of installation ensures system performance
- Commissioning - expertise provided for start-up and training on system operation
- Maintenance - services available, but little required
- Spare parts - customized program minimizes inventory and controls cash flow

OTHER RELATED PRODUCTS

- Morgan Vee No-Twist® Mill
- Snap Shear
- Morgan Water boxes
- Morgan Intelligent Pinch Roll
- Morgan High Speed Laying Head
- Primetals Technologies EA LR Enhanced Temperature Control System

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