



*INOVA[®] Industrial sliding gates
Security through innovation*

INOVA quality: One step ahead in security

Protecting your investment, your assets and your security, permanently and reliably: that is the task to which INOVA sliding gates are ideally suited. What makes them so outstanding is the unique, patented design: the drive unit on INOVA sliding gates is housed invisibly inside the lower beam, instead of being mounted on the inside edge of the gate leaf itself, as is the case with conventional gates. This cantilevered design, brilliant in its simplicity, has already won several prizes, and justifiably so, given the numerous advantages it offers:

Particularly reliable, because far fewer components are needed compared with conventional sliding gates
Drive unit is totally protected against the elements, dirt and debris
Highly reliable in use
Stylish appearance, because the drive unit is concealed invisibly within the lower beam.
Minimal foundation work is required
Gate runs perfectly smoothly even in snow and harsh working environments



INOVA
You can rely on us!

Prizes:
Seifriz Prize 1996
M nsterland Innovation Prize 1997
Bavarian State Prize

It's no wonder that in just a few years INOVA sliding gates have become one of the market leading products throughout Europe: countless customers in industry, public services and the private sector have complete confidence in INOVA sliding gates.

An innovation that pays for itself!
Since the innovative design of INOVA sliding gates means that many of the components of conventional gates (some of them prone to breakdown) such as stud chains, toothed racks or drive unit covers, are simply no longer necessary, the manufacturing, installation and maintenance costs are all dramatically reduced. For you, that means maximum security combined with excellent value for money!



inova®

Depending on the width of your entrance, you can choose between different gate types and designs.

INOVA 160 MI, 160 ETI, 160 ESI

Lower beam height 160 mm
Lower beam depth 165 mm
Opening width up to 6000 mm
Drive power 0.18 kW

INOVA 200 MI, 200 ETI, 200 ESI

Lower beam height 200 mm
Lower beam depth 165 mm
Opening width up to 8000 mm
Drive power 0.37 kW

INOVA 280 MI, 280 ETI, 280 ESI

Lower beam height 280 mm
Lower beam depth 205 mm
Opening width up to 12000 mm
Drive power 0.75 kW

INOVA 380 ETI, 380 ESI, 400 ETI, 400 ESI

Lower beam height 380 or 400 mm
Lower beam depth 205 mm
Opening width up to 16000 mm
Drive power 0.75 kW



INOVA 160



INOVA 200



INOVA 280



Extremely quiet in operation

Reducing noise levels is a way of protecting the environment, so that's why INOVA gates run particularly quietly. This is achieved by the extensive use of roller bearings in polymer guide rollers. The results are obvious: the gate opening and closing cycles are practically silent.



Emergency operation even in a power cut

To ensure that the gates can continue to be operated smoothly even in a power cut, the gear unit on INOVA sliding gates can easily be set to manual operation, so that the gate can simply be opened and closed by hand.



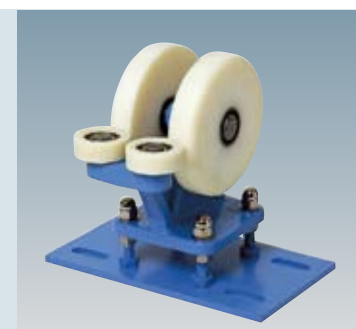
Inovamatic microprocessor control

Protected from the elements, the electronic controls are cleverly enclosed within a purpose made section of the guide column. This lockable section of the column can be easily opened and closed when maintenance or adjustments are necessary.



Electrical drive fitted in lower beam

The electrical drive unit on INOVA gates is fitted in the lower beam, invisible from the outside and protected from tampering and the weather, yet easily accessible for maintenance. An AC-powered worm gear unit provides direct power transmission to the gate.



Height-adjustable roller support

Where conventional gates require two rolling wheel supports, INOVA needs only one – the drive unit acts as the second support. This results in significant material and cost savings.



Intelligent control system for accident prevention

To minimise the risk of accidents or damage to property, INOVA gates stop automatically whenever they come across obstructions or are subjected to resistance.

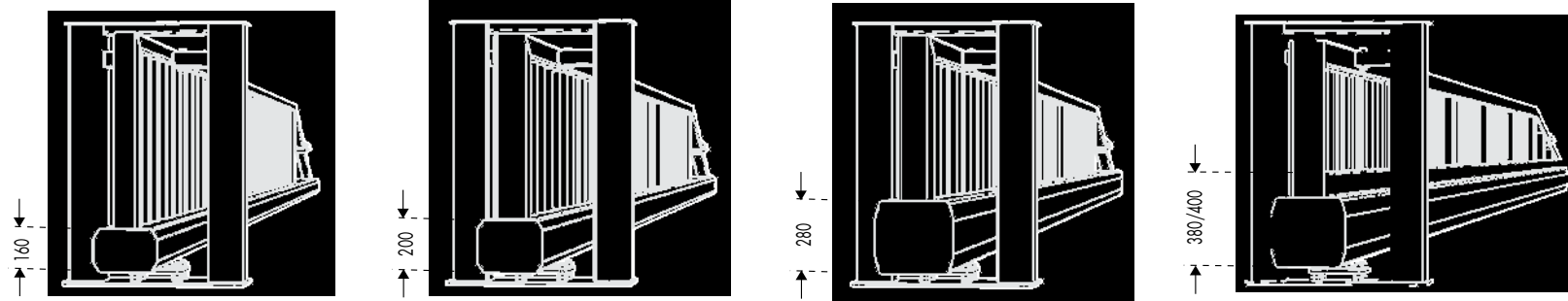


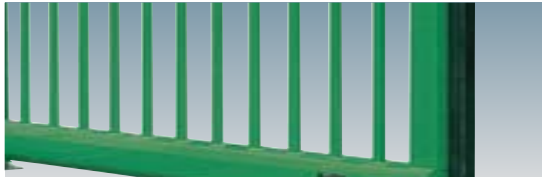





To do this, there are five contact strips fitted on the gate itself and on the guide column.

With a maximum opening width of 16 m per gate, when 2 are installed opposite each other, opening widths of up to 32 m are possible. INOVA sliding gates can be installed quickly, easily and cheaply, because the gates are supplied fully pre-assembled. The drive unit and safety devices are ready for use when they are delivered, and all only the foundation work and pre-cabling is necessary. There is a tensioning element in the design of the gate to provide the necessary tensioning and allow for later adjustments.

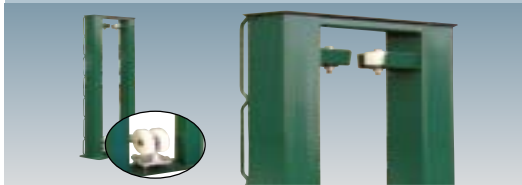
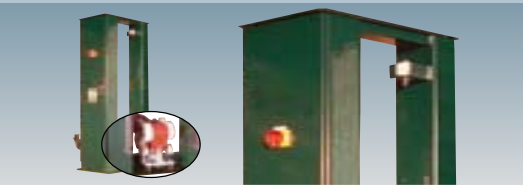
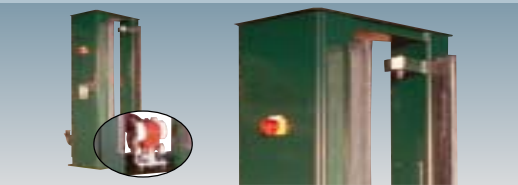




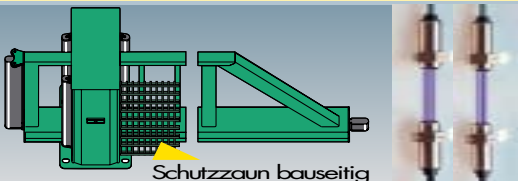
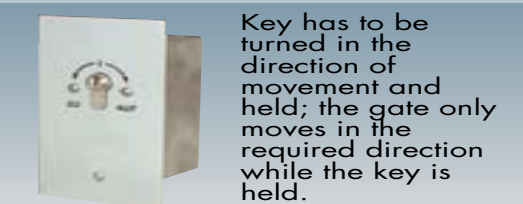

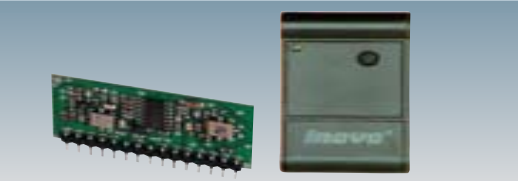


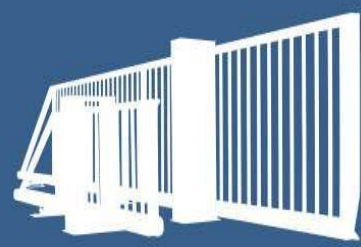
Basic specification



INOVA® Industry	inova® 160	inova® 200	inova® 280	inova® 380/400
Opening width	2.0 to 6.0 m	4.0 to 8.0 m	6.0 to 12.0 m	12.0 to 16.0 m
Total gate heights available (incl. 100 mm ground clearance)	1200 to 2400 mm	1200 to 2400 mm	1200 to 2400 mm	1200 to 2400 mm
Direction of opening (seen from outside)	Left or right	Left or right	Left or right	Left or right
	Gate leaf Bar infill □ 25	Gate leaf Bar infill □ 25	Gate leaf Bar infill □ 25	Gate leaf Bar infill □ 25
	Anti-wear strip	Anti-wear strip	Anti-wear strip	Anti-wear strip
	Tensioning device	Tensioning device	Tensioning device	Tensioning device
	Double receiver post, (can also be supplied for cementing in)	Double receiver post, (can also be supplied for cementing in)	Double receiver post, (can also be supplied for cementing in)	Double receiver post, (can also be supplied for cementing in)
	Assembly kit 8 concrete dowels	Assembly kit 8 concrete dowels	Assembly kit 8 concrete dowels	Assembly kit 8 concrete dowels
	Colour: double powder-coating, RAL 6005, 7030, 7035, 9010, 9005 or 7016	Colour: double powder-coating, RAL 6005, 7030, 7035, 9010, 9005 or 7016	Colour: double powder-coating, RAL 6005, 7030, 7035, 9010, 9005 or 7016	Colour: double powder-coating, RAL 6005, 7030, 7035, 9010, 9005 or 7016
Acceptance: TÜV (Technical Inspection Authority) Type approval Initial type testing for compliance with EN 13241-1 Documentation: assembly instructions, operating instructions / inspection certificate Foundation plan: INOVA standard plan				

Series production specification

INOVA® Industry	TYP MI Manual	TYP ETI Electric drive (dead man's handle control)	TYP ESI Electric drive (impulse control)
Guide column (Type MI also available for cementing in)			
Integrated electric drive INOVA 160 (0.18 kW) INOVA 200 (0.37 kW) INOVA 280/380 and 400 (0.75 kW)	No		
Control	No		
Safety device EN 12453	No	No	Inovamatic 400 
Operating panel inserted on both sides of the guide column	Manual	 Key has to be turned in the direction of movement and held; the gate only moves in the required direction while the key is held.	 5 contact strips 2 light barriers
1 channel remote control 434 MHz	No	2 key-operated buttons OPEN/CLOSE	1 key-operated button OPEN/STOP/CLOSE 1 key-operated button OPEN/EMERGENCY STOP /CLOSE
External operation	No	Not permitted	 See optional extras



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