



# INNOVATIVE TECHNOLOGY FOR STABLE MODULAR CONFIGURATION EASY TO ASSEMBLE.



Thanks to the continuous interaction between technological know-how and customer needs, ISEO has developed **LE60** platform.

Flexible, easy to use, secure and stable, **LE60** is the ideal “just in time” solution.



**FLEXIBLE**  
SIMPLE  
SECURE

**THE IDEAL SOLUTION ON SITE,  
NO NEED OF PRELIMINARY  
INSPECTION**



#### **FAST INSTALLATION**

**LE60** configuration of CSR and CSF systems allows a fast installation, independently from door thickness and lock position. Modular system makes on site installation faster, with no need of preliminary inspection. You don't need to know the required cylinder dimensions in advance.

#### **JUST IN TIME SOLUTION**

Reduced times and costs of service:

**LE60** gives a quick solution to customers in real time.

#### **CSF SYSTEM**

**CSF Mechatronic System** is a multilevel system which can be combined to create a master key arrangement with multiple profiles. The system is protected lifetime and combines F9 basic cylinders with top range F9000 mechatronic cylinders. **F9000 mechatronic cylinder** is available in modular configuration, guaranteeing installation flexibility and time reduction for customer service. Modular components for mechanical cylinders fit mechatronic cylinder F9000 too. No increase of inventory costs and no specific components are required to get electronic flexibility.

#### **CSR SYSTEM**

**CSR System** is a multiprofile solution with reversible key, which assures customized security and flexibility.

CSR system is the ideal solution to manage complex hierarchical structures and control accesses, thanks to different biting combinations. It is protected from unauthorized key duplication, thanks to patented system and trademark.

**ISEO**<sup>®</sup>

# FLEXIBLE **SIMPLE** SECURE

## THE RIGHT DIMENSION IN A FEW STEPS



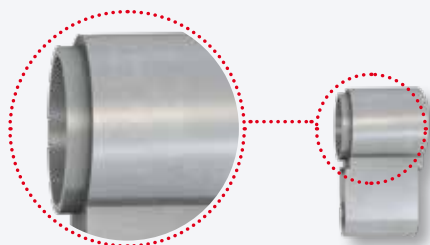
### FEW COMPONENTS FOR THE IDEAL SOLUTION

Two bitted modules together with bitted keys and only few components are necessary to easily assemble any modular cylinder of the required dimensions.



### THE RIGHT SOLUTION AT YOUR FINGERTIPS

Modular components are common for all systems. **LEGO** offers the appropriate level of security and protection required by each customer for any specific access.



### SIMPLY STABLE

Body extensions have been designed to increase cylinder stability, even for longer dimensions, thanks to special connection in the upper part of the component.



### NO SPECIFIC ASSEMBLY TOOL

There is no need for specific tools: thanks to components design, cylinder assembly is fast and simple. Anyhow, ISEO offers some useful helping tools to make assembly even more rapid.

FLEXIBLE  
SIMPLE  
**SECURE**

## THE FLEXIBLE SOLUTION WHICH INCREASES RESISTANCE AGAINST ATTACKS



### HIGH RESISTANCE

**LE60** modular system improves resistance against cylinder snapping. The steel connecting bar inside the cylinder body increases resistance till +40% compared to traditional cylinders.



### ONE BAR FOR ALL DIMENSIONS

The steel bar assures perfect coupling of all cylinder components. The universal stainless steel, pre-cut connecting bar guarantees the assembly of cylinders with the right dimensions directly on site. Additional 19 connecting bars are available, that, thanks to 4 fixing holes, allow assembly of double cylinders up to 74 different dimensions.

### MORE BUSINESS LESS STOCK





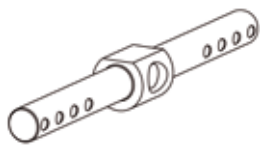
**LE60** enables more business opportunities without stock increase, reduces risk of slow moving dimensions and improves customer service. Stock management is easy thanks to common components for both mechanical and mechatronic cylinders.










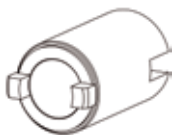


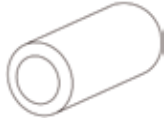








### ASSEMBLY CASE












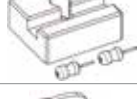


ISEO has designed a specific assembly case, containing modular components and connecting bars in the most used dimensions. The assembly case can be completed with components at installer's choice. Space for tools to assemble cylinders on site is also available.

**ISEO**<sup>®</sup>

	CODE	DESCRIPTION
	8MFA0K0029	Pair of modules F9
	8MFC0K0029	Pair of modules F90
	8MFD0K0029	Pair of modules F99
	8MFM0K0029	Pair of modules F900
	8MEA0K0029M	Pair of modules F9000 Mechanic/Electronic
	8MRA0K0029.F	Pair of modules R9 Country
	8MRP0K0029	Pair of modules R9 Plus
	8MRC0K0029.F.5	Pair of modules R90 Factory
	8MFA0K0019	Module F9
	8MFC0K0019	Module F90
	8MFD0K0019	Module F99
	8MFM0K0019	Module F900
	8MEA0K0019M	Module F9000
	8MRA0K0019.F	Module R9
	8MRP0K0019	Module R9 Plus
	8MRC0K0019.F.5	Module R90 Factory
	8MFR000019S.W	Module SS version 1 pcs cylinder module SS version F9, R9 COUNTRY, R9 PLUS
	0033230	3030 / 3035 / 3535
	0033240	3040 / 3045 / 3540 / 3545
	0033250	4040 / 4045 / 4545
	0033260	3050 / 3055 / 3550 / 3555
	0033270	3060 / 3065 / 3560 / 3565
	0033280	4050 / 4055 / 4550 / 4555
	0033290	5050 / 5055 / 5555
	0033300	3070 / 3075 / 3570 / 3575
	0033310	4060 / 4065 / 4560 / 4565
	0033320	3080 / 3085 / 3580 / 3585
	0033330	4070 / 4075 / 4570 / 4575
	0033340	5060 / 5065 / 5560 / 5565
	0033350	6060 / 6065 / 6565
	0033360	3090 / 3095 / 3590 / 3595
	0033370	4080 / 4085 / 4580 / 4585
	0033380	5070 / 5075 / 5570 / 5575
	0033390	4090 / 4095 / 4590 / 4595
0033400	5080 / 5085 / 5580 / 5585	
0033410	6070 / 6075 / 6570 / 6575	

	CODE	DESCRIPTION		
	0033450		3010 / 3510	
	0033460		4010 / 4510	
	0033470		5010 / 5510	
	0033480	5 pcs kit connecting bar for single cylinder		6010 / 6510
	0033490			7010 / 7510
	0033500			8010 / 8510
	0033510			9010 / 9510
	0033520	Jolly connecting bar	Jolly, stainless steel connecting bar for double cylinder (2 pcs kit) 60/90	
	0033530	Jolly connecting bar	Jolly, stainless steel connecting bar for single cylinder (2 pcs kit) 90/10	
	0033570		5 pcs kit body extension 5 mm	
	0033580		5 pcs kit body extension 10 mm	
	0033590	Extension for cylinder body		5 pcs kit body extension 15 mm
	0033600			5 pcs kit body extension 20 mm
	0033610			5 pcs kit body extension 40 mm
	0033620	Plug extension	5 pcs kit plug extension double cylinder side 35	
	0033630	Plug extension	5 pcs kit plug extension emergency function cylinder side 35	
	0033640	Plug extension	5 pcs kit plug extension for knob cylinder key side 35 mm	
	0033650	Plug extension	5 pcs kit plug extension for knob cylinder knob side 35 mm	
	0033660	Plug extension	5 pcs kit plug extension for single cylinder 35 mm	
	0033670		5 pcs kit plug extension 10 mm	
	0033680		5 pcs kit plug extension 15 mm	
	0033690	Plug extension		5 pcs kit plug extension 20 mm
	0033700			5 pcs kit plug extension 40 mm

	CODE	DESCRIPTION		
	003211		10 pcs kit key extension 8X5 mm	
	003212		10 pcs kit key extension 8X10 mm	
	003213		10 pcs kit key extension 8X15 mm	
	003214	Key extension		10 pcs kit key extension 8X20 mm
	003215			10 pcs kit key extension 8X25 mm
	003216			10 pcs kit key extension 8X30 mm
	003217			10 pcs kit key extension 8X35 mm
	003218			10 pcs kit key extension 8X40 mm
		0033860		2 pcs Kit L=30 brass module for knob cylinder
0033870			2 pcs Kit L=30 pearl nickel module for knob cylinder	
0033880		Kit for knob cylinder		2 pcs Kit L=30 nickel module for knob cylinder
0033890				2 pcs kit L=30 brass mod for knob cyl. thumbturn 72
0033900				2 pcs kit L=30 pearl nickel mod for knob cyl. thumbturn 72
0033910				2 pcs kit L=30 nickel mod. for knob cyl. thumbturn 72
	0033720	Circlip	100 pcs circlips	
	0033740	Fixing pins	100 pcs steel fixing pins	
	0033750	Ring	100 pcs kit ring for cam	
	0033920	Extension pin	50 pcs kit extension pin for single cylinder serie F and R dim. >=40MM	
	003260	Cam and clutch	KIT 10 pcs clutch 3030 + cam DIN30° for "R" serie	
	003296	Cam and clutch	KIT 10 pcs Z lowered clutch + cam DIN30° for serie F modular cylinder	
	003304	Cam and clutch	KIT 10 pcs S lowered clutch + inox cam for F9000 modular cylinder	

	CODE	DESCRIPTION	
	003132	Cam	10 pcs cam serie F e R single cylinder
	003267	Clutch	10 pcs kit clutch for knob cyl serie F/R key side mm30
	003269	Clutch	10 pcs kit clutch for knob cyl serie F/R key side mm35
	003298	Cam	100 pcs kit cam DIN 30° knob cylinder serie F
	003184	Cam and clutch	100 pcs DIN 30° cam knob cylinder serie R and for serie F only key side 35mm
	0033210	Cam and clutch	10 pcs kit clutch and cam serie F emergency function 30/30
	0033211	Cam and clutch	10 pcs kit clutch and cam serie F emergency function 30/35
	0033212	Cam and clutch	10 pcs kit clutch and cam serie F emergency function 35/35
	0033220	Cam and clutch	10 pcs kit clutch and cam serie R emergency function 30/30
	0033221	Cam and clutch	10 pcs kit clutch and cam serie R emergency function 30/35
	0033222	Cam and clutch	10 pcs kit clutch and cam serie R emergency function 35/35
	0033092	Mounting base for components assembly	
	0033094	Plier for fixing pins	
	0033201	Assembly case modular cylinder	

Exact codes combinations for each cylinder type and dimensions are available in the assembly instruction sheets.



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