



## Cylinders



## Section 2

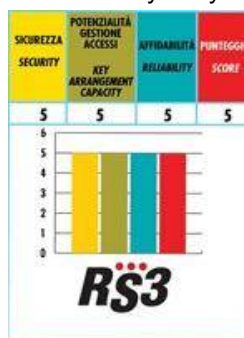
# CYLINDERS

## QUALITY YOU CAN MEASURE



**In order to make a conscious decision concerning a cylinder and keys, one needs to evaluate 3 essential parameters.**

- **SECURITY:** indicates the ability to resist and prevent forced entries, using false or cloned keys and picking tools (active security), or burglaries (passive security).
- **DURABILITY:** indicates the resistance to wear and tear.
- **ACCESS MANAGEMENT POTENTIAL:** means the capacity of a Master Keyed system for the cylinder type.



The precise criteria established by the **European Norm EN1303:2005** gives the possibility of assessing the following parameters.

- **Key Related Security:** active security, expressed by a 6 degree index, which varies from 1 to 6. E.g: Key differs
- **Attack Resistance:** passive security, expressed by a 3 degree index, which varies from 0 to 2. E.g: drill and tearing resistance.
- **Durability:** standing, expressed by a 3 digit index, which varies from 4 to 6. E.g.: minimum number of cycles. 25,000 cycles (grade 4), 50,000 cycles (grade 5), 100,000 cycles (grade 6)

NEW from CISA

### SNAP RESISTANT CYLINDERS



Security at a glance



SNAP RESISTANT CYLINDERS:  
security goes upfront

One of the most commonly used intrusion techniques is to break the cylinder and then pull it out of the door.



The classic method of countering this practice is to fit protective roses.

But protective roses can often be impractical, since it may call for costly alterations to the door or replacement of the entire lockset.

Security goes upfront

CISA developed SNAP RESISTANT CYLINDERS to thwart break-in attempts before they start: SNAP RESISTANT is a HIGH STRENGTH HIGH FLEXIBILITY core that runs through the entire depth of the cylinder. The core is composed of:

**6 rigid segments** to impart greater breaking strength.

**1 flexible segment** to defeat attempts to wrench the cylinder out of its seat.



Strength and Flexibility:  
the perfect balance for top security performance.

# C2000 EURO PROFILE CYLINDERS



## QUALITY YOU CAN MEASURE

*Conforms to Internationally accepted European Norm EN1303:2005 Key Related Security Grade 4 and Durability Grade 6 - 100,000 duty cycles.*

### MAIN FEATURES

#### ACTIVE SECURITY ■

- **NUMBER OF KEY DIFFERS:** over 30,000.

#### PASSIVE SECURITY ■

- **Push resistance:** projecting cam.
- **Drill resistance:**
  - Hardened steel pin and driver in first position
- **Anti-picking resistance:**
  - Paracentric Key way.
  - Mushroom type drivers.

#### KEY ARRANGEMENT CAPACITY ■

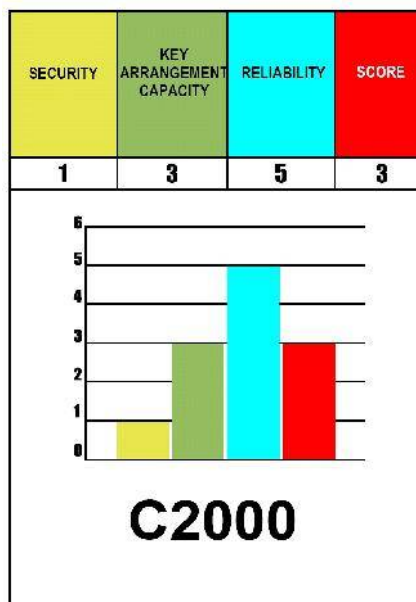
- **1000 different cylinders per MK key (excluding integrated key section capacity).**
- **Other key configurations on request.**

#### RELIABILITY ■

- **100 000 cycles (compliant with EN 1303:2005 – Durability Grade 6)**

#### CERTIFICATION

- **Manufactured in conformity with the European Norm EN 1303:2005.**
- **Durability Grade 6.**
- **Attack Resistance Grade 0.**
- **Key Related Security Grade 4.**



#### Technical features:

##### CYLINDER

- 5 pin key biting system (3 and 4 pins for short sizes).
- Brass body
- Brass plugs.
- Self-lubricating sintered steel projecting cam, DIN compatible.
- Pins
  - in brass
  - in hardened steel in first position
- Drivers
  - in brass, cylindrical and mushroom-like for anti-picking function.
  - in hardened steel in first position.
- Phosphor bronze springs.

#### Technical features:

##### KEY

- in special brass alloy nickel plated.
- 2.4mm thickness.
- .44mm depths.
- Compatible with protective roses.

#### On request:

- KA – Keyed Alike.
- MK – Master Keyed.
- GMK – Grand Master Keyed.
- CMK – Construction Master Key.
- CL – Central Locking.
- Personalised Keyways

#### Supplied as stand

- Cylinder fixing screw.
- 2 Keys:
  - 01070-10-1 (5 pins)
  - 01070-05-1 (4 pins)
  - 01070-01-1 (3 pins)

#### Finishes:

- Standard: sanded brass (finish 00).
- On request: nickel plated (finish 12).



Type	Finish		C2000					01070	5 Pins		New MK or GMK systems made to new CISA code only				
	00 Sanded Brass	12 Nickel Plated	CODE	SIZE	FIN	KEYED DIFFERENT, & KEYED ALIKE	MASTER KEYED to CODE	GRAND MASTER KEYED to CODE	BULK ORDERS OF 96 ASSORTED	MK	GMK	MK	GMK		
Double Cylinder	Nom. Length	L	A	B	Pins										
<b>Brass Finish</b>															
	22/22	43,4	21,7	21,7	3	0G300 02 00	X	X			X				
	27/27	53	26,5	26,5	4	0G300 05 00	X	X			X				
	28/28	56	28	28	5	0G345 05 00	X	X	X		X				
	30/30	59	29,5	29,5	5	0G300 07 00	X	X	X	X	X		X		
	33/33	65	32,5	32,5	5	0G300 10 00	X	X	X	X	X		X		
	35/35	69	34,5	34,5	5	0G300 13 00	X	X	X	X	X		X		
	37/37	73	36,5	36,5	5	0G300 15 00	X	X			X				
	40/40	79	39,5	39,5	5	0G300 18 00	X	X	X		X		X		
	43/43	85	42,5	42,5	5	0G300 46 00	X	X	X		X		X		
	45/45	89	44,5	44,5	5	0G300 29 00	X	X	X		X		X		
	50/50	99	49,5	49,5	5	0G300 23 00	X	X	X		X		X		
	55/55	109	54,5	54,5	5	0G300 70 00	X	X	X		X		X		
	60/60	119	59,5	59,5	5	0G300 40 00	X	X	X		X		X		
	70/70	139	69,5	69,5	5	0G300 50 00	X	X	X		X		X		
<b>Nickel Finish</b>															
<p><b>BKP</b></p> <p><b>Bump Key Power</b></p> <p>Use Bump Key Power solution to resist illegal openings: Price available upon request.</p>	22/22	43,4	21,7	21,7	3	0G300 02 12	X	X			X				
	28/28	56	28	28	5	0G345 05 12	X	X	X		X				
	30/30	59	29,5	29,5	5	0G300 07 12	X	X	X	X	X		X		
	33/33	65	32,5	32,5	5	0G300 10 12	X	X	X	X	X		X		
	35/35	69	34,5	34,5	5	0G300 13 12	X	X	X	X	X		X		
	37/37	73	36,5	36,5	5	0G300 15 12	X	X			X				
	40/40	79	39,5	39,5	5	0G300 18 12	X	X	X		X		X		
	43/43	85	42,5	42,5	5	0G300 46 12	X	X	X		X		X		
	45/45	89	44,5	44,5	5	0G300 29 12	X	X	X		X		X		
	50/50	99	49,5	49,5	5	0G300 23 12	X	X	X		X		X		
	55/55	109	54,5	54,5	5	0G300 70 12	X	X	X		X		X		
60/60	119	59,5	59,5	5	0G300 40 12	X	X	X		X		X			
70/70	139	69,5	69,5	5	0G300 50 12	X	X	X		X		X			
<b>OFF-CENTRED CYLINDERS</b>															
<b>Brass Finish</b>															
	30/40	69	29,5	39,5	5	0G300 12 00	X	X	X		X		X		
	30/45	74	29,5	44,5	5	0G300 27 00	X	X	X		X		X		
	30/50	79	29,5	49,5	5	0G300 17 00	X	X	X		X		X		
	35/45	79	34,5	44,5	5	0G300 19 00	X	X	X		X		X		
	30/60	89	29,5	59,5	5	0G300 20 00	X	X	X		X		X		
	30/70	99	29,5	69,5	5	0G300 24 00	X	X	X		X		X		
	40/60	99	39,5	59,5	5	0G300 25 00	X	X	X		X		X		
	45/55	99	44,5	54,5	5	0G300 43 00	X	X	X		X		X		
	30/80	109	29,5	79,5	5	0G300 37 00	X	X	X		X		X		
	40/70	109	39,5	69,5	5	0G300 35 00	X	X	X		X		X		
	50/60	109	49,5	59,5	5	0G300 36 00	X	X	X		X		X		
<b>Nickel Finish</b>															
<p><b>SPECIAL NOTE</b></p> <p><b>No extra surcharge</b></p> <ul style="list-style-type: none"> <li>• CMK - Construction Master Keyed charged at MK or GMK prices.</li> <li>• CL - Central Locking charged at MK or GMK prices.</li> </ul>	27/33	59	26,5	32,5	4	0G300 06 12	X	X			X				
	30/40	69	29,5	39,5	5	0G300 12 12	X	X	X		X		X		
	30/45	74	29,5	44,5	5	0G300 27 12	X	X	X		X		X		
	30/50	79	29,5	49,5	5	0G300 17 12	X	X	X		X		X		
	35/45	79	34,5	44,5	5	0G300 19 12	X	X	X		X		X		
	30/60	89	29,5	59,5	5	0G300 20 12	X	X	X		X		X		
	30/70	99	29,5	69,5	5	0G300 24 12	X	X	X		X		X		
	40/60	99	39,5	59,5	5	0G300 25 12	X	X	X		X		X		
	45/55	99	44,5	54,5	5	0G300 43 12	X	X	X		X		X		
	30/80	109	29,5	79,5	5	0G300 37 12	X	X	X		X		X		
	40/70	109	39,5	69,5	5	0G300 35 12	X	X	X		X		X		
50/60	109	49,5	59,5	5	0G300 36 12	X	X	X		X		X			

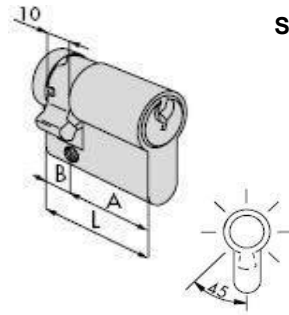
Type	Finish		C2000			01070 5 Pins				New MK or GMK systems made to new CISA code only		
	00 Sanded Brass	12 Nickel Plated	CODE	SIZE	FIN	KEYED DIFFERENT, & KEYED ALIKE	MASTER KEYED to CODE	GRAND MASTER KEYED to CODE	BULK ORDERS OF 96 ASSORTED			
Knob Cylinder with "T" Knob	Nom. Length	L	A	B								
<b>Brass Finish</b>												
	30/30	59	29,5	29,5	0G302 07 00	X	X	X	X	X	X	X
	33/33	65	32,5	32,5	0G302 10 00	X	X	X	X	X	X	X
	35/35	69	34,5	34,5	0G302 13 00	X	X	X	X	X	X	X
	40/40	79	39,5	39,5	0G302 18 00	X	X	X	X	X	X	X
	43/43	85	42,5	42,5	0G302 46 00	X	X	X	X	X	X	X
	45/45	89	44,5	44,5	0G302 29 00	X	X	X	X	X	X	X
	50/50	99	49,5	49,5	0G302 23 00	X	X	X	X	X	X	X
	60/60	119	59,5	59,5	0G302 40 00	X	X	X	X	X	X	X
<b>Nickel Finish</b>												
	30/30	59	29,5	29,5	0G302 07 12	X	X	X	X	X	X	X
	33/33	65	32,5	32,5	0G302 10 12	X	X	X	X	X	X	X
	35/35	69	34,5	34,5	0G302 13 12	X	X	X	X	X	X	X
	40/40	79	39,5	39,5	0G302 18 12	X	X	X	X	X	X	X
	43/43	85	42,5	42,5	0G302 46 12	X	X	X	X	X	X	X
	45/45	89	44,5	44,5	0G302 29 12	X	X	X	X	X	X	X
	50/50	99	49,5	49,5	0G302 23 12	X	X	X	X	X	X	X
	60/60	119	59,5	59,5	0G302 40 12	X	X	X	X	X	X	X
<b>OFF-CENTRED KNOB CYLINDERS</b>												
<b>Brass Finish</b>												
	40/30	69	39,5	29,5	0G302 12 00	X	X	X	X	X	X	X
	35/40	74	34,5	39,5	0G302 28 00	X	X	X	X	X	X	X
	40/35	74	39,5	34,5	0G302 83 00	X	X	X	X	X	X	X
	30/50	79	29,5	49,5	0G302 17 00	X	X	X	X	X	X	X
	30/40	69	29,5	39,5	0G302 82 00	X	X	X	X	X	X	X
	35/45	79	34,5	44,5	0G302 19 00	X	X	X	X	X	X	X
	45/35	79	44,5	34,5	0G302 85 00	X	X	X	X	X	X	X
	30/60	89	29,5	59,5	0G302 20 00	X	X	X	X	X	X	X
	40/60	99	39,5	59,5	0G302 25 00	X	X	X	X	X	X	X
	45/55	99	44,5	54,5	0G302 43 00	X	X	X	X	X	X	X
	50/60	109	49,5	59,5	0G302 36 00	X	X	X	X	X	X	X
	60/50	109	59,5	49,5	0G302 89 00	X	X	X	X	X	X	X
	65/55	119	64,5	54,5	0G302 86 00	X	X	X	X	X	X	X
<b>Nickel Finish</b>												
	40/30	69	39,5	29,5	0G302 12 12	X	X	X	X	X	X	X
	35/40	74	34,5	39,5	0G302 28 12	X	X	X	X	X	X	X
	40/35	74	39,5	34,5	0G302 83 12	X	X	X	X	X	X	X
	30/50	79	29,5	49,5	0G302 17 12	X	X	X	X	X	X	X
	30/40	69	29,5	39,5	0G302 82 12	X	X	X	X	X	X	X
	35/45	79	34,5	44,5	0G302 19 12	X	X	X	X	X	X	X
	45/35	79	44,5	34,5	0G302 85 12	X	X	X	X	X	X	X
	30/60	89	29,5	59,5	0G302 20 12	X	X	X	X	X	X	X
	40/60	99	39,5	59,5	0G302 25 12	X	X	X	X	X	X	X
	45/55	99	44,5	54,5	0G302 43 12	X	X	X	X	X	X	X
	50/60	109	49,5	59,5	0G302 36 12	X	X	X	X	X	X	X
	60/50	109	59,5	49,5	0G302 89 12	X	X	X	X	X	X	X
	65/55	119	64,5	54,5	0G302 86 12	X	X	X	X	X	X	X
<b>SINGLE CYLINDERS</b>												
<b>Brass Finish</b>												
	30/10	39,5	29,5	10,0	0G304 02 00	X	X	X	X	X	X	X
	33/10	42,5	32,5	10,0	0G304 09 00	X	X	X	X	X	X	X
	35/10	44,5	34,5	10,0	0G304 07 00	X	X	X	X	X	X	X
	60/10	69,5	59,5	10,0	0G304 05 00	X	X	X	X	X	X	X
<b>Nickel Finish</b>												
	30/10	39,5	29,5	10,0	0G304 02 12	X	X	X	X	X	X	X
	33/10	42,5	32,5	10,0	0G304 09 12	X	X	X	X	X	X	X
	35/10	44,5	34,5	10,0	0G304 07 12	X	X	X	X	X	X	X
	60/10	69,5	59,5	10,0	0G304 05 12	X	X	X	X	X	X	X

**BKP**  
Bump Key Power  
Use Bump Key Power solution to resist illegal openings: Price available upon request.

**SPECIAL NOTE**  
No extra surcharge

- CMK - Construction Master Keyed charged at MK or GMK prices.
- CL - Central Locking charged at MK or GMK prices.

.....adjustable cam



Type		C2000		01070 5 Pins			
Finish 00 Sanded Brass 12 Nickel Plated	CODE	S I Z E	F I N	KEYED DIFFERENT, & KEYED ALIKE	MASTER KEYED	GRAND MASTER KEYED	Bulk Packed 24 or more
				KD, KA	MK	GMK	KD, KA
	Night Latch Cylinder	0G500	00 00	X	X	X	X
		0G500	00 12	X	X	X	X
	Eletrika Cylinder Set 1A721, 1A731	0G150	00 00	X	X	X	
	<b>VARIOUS CYLINDERS</b>						
	Electric Lock Cylinder Set 11721,11921,11731,11931	02110	00 00	X	X		
		Steel Padlock Cylinder	02650	01 00	X	X	X
		Threaded Cylinder	02900	00 12	X	X	X
	KEYED ALIKE IN PAIRS	02190	00 12	X	X	X	X
	Knob Cylinder with 44mm Round Knob	33/33 65 32.5 32.5	08520 34 00	X	X	X	
		65 32.5 32.5	08520 34 12	X	X	X	
	Toilet Knob Cylinder with T knob	31/31 61.6 30.8 30.8	08525 04 00	X			
		61.6 30.8 30.8	08525 04 12	X			
		33/33 65 32.5 32.5	08525 34 00	X			
		65 32.5 32.5	08525 34 12	X			
		35/35 69 34.5 34.5	08525 14 00	X			
		69 34.5 34.5	08525 14 12	X			Bulk Packed 30 or more
	Single Knob Cylinder with T knob	33/10 42.5 32.5 10	08559 09 00	X			X
		33/10 42.5 32.5 10	08559 09 12	X			X
		37/10 46.5 36.5 10	08559 10 12	X			
	Cam Lock	72250	26 12	X	X	X	
	· KEY SWITCH. Microswitch (7A.. 250V). · ...with terminals to be soldered. · Plug springs back for ... ... key removal · Nickel plated.	72251	03 12	X			

For more details see Sec 9

**LARGE OVAL CYLINDERS – C2000**



Finish			C2000		01070 5 Pins						
00	Sanded Brass		CODE	SIZE	FIN	KEYED DIFFERENT & KEYED ALIKE	MASTER KEYED to CODE	GRAND MASTER KEYED to CODE	BULK ORDERS OF 96 ASSORTED	New MK or GMK systems made to new CISA code only	
12	Nickel Plated										
23	Satin Chrome										
		L A B				KD, KA	MKC	GMKC	KD, KA	MK	GMK
			<b>Double Cylinder</b>								
	65	32.5 32.5	09010	10	00	X	X	X	X	X	X
	65	32.5 32.5	09010	10	12	X	X	X	X	X	X
	73	36.5 36.5	09010	15	23	X	X			X	X
	85	42.5 42.5	09010	80	23	X	X			X	X
			<b>Knob Cylinder with "T" knob</b>								
	65	32.5 32.5	09023	10	00	X	X	X	X	X	X
	65	32.5 32.5	09023	10	12	X	X	X	X	X	X
	73	36.5 36.5	09023	15	23	X	X			X	X
	85	42.5 42.5	09023	80	23	X	X			X	X
			<b>Single Cylinder</b>								
	42.5	32.5 10	09026	02	00	X	X	X		X	X
	42.5	32.5 10	09026	02	12	X	X	X		X	X
			<b>Single Knob Cylinder with "T" knob</b>								
	42.5	32.5 10	09090	02	00	X					
	42.5	32.5 10	09090	02	12	X					

**SMALL OVAL CYLINDERS – Small key way**



			<b>Double Cylinder</b>								
	41	20 20	08210	01	12	X	X				
	55	27.7 27.7	08210	02	12	X	X		X	X	
	80	40 40	08210	18	12	X	X				
			<b>Single Cylinder</b>								
	38	27.7 10.3	08220	02	12	X	X			X	
			<b>Knob Cylinder</b>								
	55	27.7 27.7	08230	02	12	X	X			X	

# SP CYLINDERS



## QUALITY YOU CAN MEASURE

**Conforms to Internationally accepted European Norm EN1303:2005 Key Related Security Grade 6 and Durability Grade 6 - 100,000 duty cycles.**



### MAIN FEATURES

#### ACTIVE SECURITY ■

- **NUMBER OF KEY DIFFERS:** over 7,000,000.
- **REGISTERED TRADE MARK** of key profile means the keys are only made by CISA(file 11004D/2004).
- **SECURITY CARD:** Authorised duplication by CISA or authorised centres.
- **EEC PATENT NO. 0 166 945B1**

#### PASSIVE SECURITY ■

- **Push resistance:** projecting cam.
- **Drill resistance:**
  - 2 Hardened steel inserts in both ends of the cylinder body.
  - 2 Hardened steel inserts into both the plugs.
  - Hardened steel pin and driver in 1st position.
- **Picking resistance:**
  - Specially designed keyway.
  - Dead-locking pin.
  - Mushroom type drivers.
- **Bump Key Resistant "BKP"**
  - Use of Patented Steel Top Pins

#### KEY ARRANGEMENT CAPACITY ■

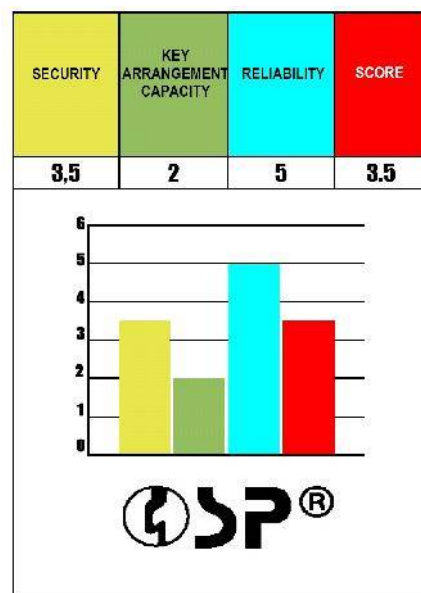
- 300 different cylinders per MK key with dead-locking pin.
- 2000 different cylinders per MK key, no dead-locking pin. (excludes passive pin capacity in both cases).

#### RELIABILITY ■

- 100 000 cycles (compliant with EN 1303:2005 – Durability Grade 6)

#### CERTIFICATION

- Manufactured in conformity with the European Norm EN 1303:2005.
- Durability Grade 6.
- Attack Resistance Grade 0.
- Key Related Security Grade 6.
- SKG \*\* (special versions).



#### Technical features:

##### CYLINDER

- 10 pins (6 active, 4 passive).
- Brass body
- Brass plugs.
- Self-lubricating sintered steel projecting cam, DIN compatible.
- Pins
  - in wear resistant bronze
  - in hardened steel in first position
- Drivers
  - in brass, cylindrical and mushroom-like for anti-picking function.
  - in hardened steel in first position.
- Phosphor bronze springs.

#### Technical features:

##### KEY

- in nickel silver alloy.
- numbered on key head.
- 3.2mm thick.
- 0.5mm depths.

#### On request:

- KA – Keyed Alike.
- MK – Master Keyed.
- GMK – Grand Master Keyed.
- CMK – Construction Master Key.
- CL – Central Locking.
- Personalised Keyways

#### Supplied as standard

- Cylinder fixing screw.
- 2 Keys:00450-01
- Coded SECURITY CARD

#### Finishes:

- Standard: sanded brass (finish 66).
- On request: nickel plated (finish 12).



							00450 10 Pins					
Finish	Nom. Length	L	A	B	CODE	S I Z E	F I N	KEYED DIFFERENT & KEYED ALIKE	MASTER KEYED	GRAND MASTER KEYED	CON-STRUCTION MASTER KEYED. +ADD	BUMP KEY RESISTANT +ADD
00 Sanded Brass												
12 Nickel Plated												
23 Satin Chrome												
66 Polished Brass												
<b>EURO Double Cylinder</b>												
<u>Brass Finish</u>												
	30/30	59	29,5	29,5	08815	07	66	X	X	X	X	
	33/33	65	32,5	32,5	08815	10	66	X	X	X	X	
	35/35	69	34,5	34,5	08815	13	66	X	X	X	X	
	35/45	79	34,5	44,5	08815	19	66	X	X	X	X	
	40/40	79	39,5	39,5	08815	18	66	X	X	X	X	
	45/45	89	44,5	44,5	08815	29	66	X	X	X	X	
	50/50	99	49,5	49,5	08815	23	66	X	X	X	X	
<u>Nickel Finish</u>												
	30/30	59	29,5	29,5	08815	07	12	X	X	X	X	
	33/33	65	32,5	32,5	08815	10	12	X	X	X	X	
	35/35	69	34,5	34,5	08815	13	12	X	X	X	X	
	35/45	79	34,5	44,5	08815	19	12	X	X	X	X	
	40/40	79	39,5	39,5	08815	18	12	X	X	X	X	
	43/43	85	42,5	42,5	08815	46	12	X	X	X	X	
	30/60	89	29,5	59,5	08815	20	12	X	X	X	X	
	45/45	89	44,5	44,5	08815	29	12	X	X	X	X	
	50/50	99	49,5	49,5	08815	23	12	X	X	X	X	
<b>EURO Knob Cylinder</b>												
<u>Brass Finish</u>												
	30/30	59	29,5	29,5	08857	04	66	X	X	X	X	
	33/33	65	32,5	32,5	08857	34	66	X	X	X	X	
	43/43	85	42,5	42,5	08857	25	66	X	X	X	X	
<u>Nickel Finish</u>												
	30/30	59	29,5	29,5	08857	04	12	X	X	X	X	
	33/33	65	32,5	32,5	08857	34	12	X	X	X	X	
	36/36	72	36,3	36,3	08857	18	12	X	X	X	X	
	40/40	79	39,5	39,5	08857	76	12	X	X	X	X	
	43/43	85	42,5	42,5	08857	25	12	X	X	X	X	
<b>EURO Single Cylinder</b>												
<u>Brass Finish</u>												
	30/10	39,5	29,5	10,0	08835	02	66	X	X	X	X	
	33/10	42,5	32,5	10,0	08835	09	12	X	X	X	X	
<u>Nickel Finish</u>												
	30/10	39,5	29,5	10,0	08835	02	12	X	X	X	X	
	33/10	42,5	32,5	10,0	08835	09	12	X	X	X	X	
<b>OVAL Double Cylinder</b>												
<u>Brass Finish</u>												
	33/33	65	32,5	32,5	09050	10	00	X	X	X	X	
<u>Nickel Finish</u>												
	33/33	65	32,5	32,5	09050	10	23	X	X	X	X	
<b>OVAL Knob Cylinder with Knob</b>												
<u>Brass Finish</u>												
	33/33	65	32,5	32,5	09063	10	00	X	X	X	X	
<u>Nickel Finish</u>												
	33/33	65	32,5	32,5	09063	10	23	X	X	X	X	
<b>OVAL Single Cylinder</b>												
<u>Brass Finish</u>												
	33/10	42,5	32,5	10	09066	02	00	X	X	X	X	
<u>Nickel Finish</u>												
	33/10	42,5	32,5	10	09066	02	23	X	X	X	X	

B K P I N C L U D E D A S T A N D A R D

Type		CISA®		00450 10 Pins					
Finish		CODE	SIZE	FIN	KEYED DIFFERENT & KEYED ALIKE	MASTER KEYED	GRAND MASTER KEYED	CON-STRUCTION MASTER KEYED. +ADD	BUMP KEY RESISTANT +ADD
00 Sanded Brass									
12 Nickel Plated	Nom. Length								
23 Satin Chrome	L A B								
66 Polished Brass									
					KD, KA	MK	GMK	CMK	BKP
	<b>Night Latch Cylinder</b>	02502	00	66	X	X	X	X	NA
		02502	00	12	X	X	X	X	NA
	<b>Eletrika Cylinder Set</b> 1A721, 1A731	02180	00	00	X	X	X	X	NA
	<b>Electric Lock Cylinder Set</b> 11721,11921,11731,11931	02179	00	00	X	X	X	X	NA
	<b>Steel Padlock Cylinder</b>	02652	01	00	X	X	X	X	NA
	<b>Threaded Cylinder</b>	02903	00	12	X	X	X	X	NA
	KEYED ALIKE IN PAIRS	02193	00	12	X	X	X	X	NA
	<b>Cam Lock</b>	72275	26	12	X	X	X	X	NA
	<b>KEY SWITCH.</b> Microswitch (7A.. 250V). ...with terminals to be soldered. Plug springs back for ... ... key removal Nickel plated.	72276	03	12	X	X	X		NA

For more details see Sec 9

**SP PADLOCKS**

FOR COMPLETE INFO REFER SECT 3- PADLOCKS

	Supplied with 08835-02	26810		SP	X	X	X		
<b>SOLID HARDENED STEEL PADLOCKS</b>									
		28052	55		X	X	X		
		28052	56		X	X	X		
		28052	57		X	X	X		
		28052	70		X	X	X		
		28052	71		X	X	X		
		28052	72		X	X	X		
		28352	62		X	X	X		
<b>SOLID HARDENED STEEL SLIDE BOLT PADLOCKS</b>									
		28552	67		X	X	X		
		28552	75		X	X	X		
		28552	85		X	X	X		

# ASIX EURO PROFILE CYLINDERS



## QUALITY YOU CAN MEASURE

*Conforms to Internationally accepted European Norm EN1303:2005 Key Related Security Grade 5 and Durability Grade 6 - 100,000 duty cycles.*

### MAIN FEATURES

#### ACTIVE SECURITY ■

- **NUMBER OF KEY DIFFERS:** over 30,000.

#### PASSIVE SECURITY ■

- **Push resistance:** projecting cam.
- **Drill resistance:**
  - Hardened steel pin and driver in first position

#### KEY ARRANGEMENT CAPACITY ■

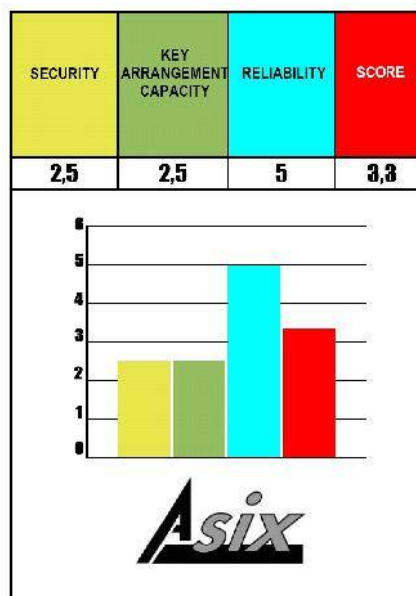
- **1800 different cylinders per MK key.**

#### RELIABILITY ■

- **100 000 cycles (compliant with EN 1303 – Durability Grade 6)**

#### CERTIFICATION

- **Manufactured in conformity with the European Norm EN 1303.**
- **Durability Grade 6.**
- **Attack Resistance Grade 0.**
- **Key Related Security Grade 5.**



#### Technical features:

##### CYLINDER

- 6 pin key biting system.
- Brass body
- Brass plugs.
- Self-lubricating sintered steel projecting cam, DIN compatible.
- Pins
  - in wear resistant bronze
  - in hardened steel in first position
- Drivers
  - in brass.
  - in hardened steel in first position.
- Phosphor bronze springs.

#### Technical features:

##### KEY

- flat reversible key
- in special brass alloy nickel plated.
- 2.9mm thickness.
- .48mm depths.
- Compatible with protective roses.

#### On request:

- KA – Keyed Alike.
- MK – Master Keyed.
- GMK – Grand Master Keyed.
- CL – Central Locking.

#### Supplied as stand

- Cylinder fixing screw.
- 2 Keys: 00660-01

#### Finishes:

- Standard: sanded brass (finish 00).
- On request: nickel plated (finish 12).

## A6 CYLINDERS



Finish						<i>Asix</i>		00660 6 Pins			
00 Sanded Brass											
12 Nickel Plated											
				CODE	SIZE	FIN	KEYED DIFFERENT & KEYED ALIKE	MASTER KEYED	GRAND MASTER KEYED	CON-STRUCTION MASTER KEYED. +ADD	BUMP KEY RESISTANT +ADD
Nom. Length L A B							KD, KA	MK	GMK	CMK	BKP
<b>Double Cylinder</b>											
	28/28	55,4	27,7	27,7	0E300	05 12	X	X	X	X	X
	30/30	59	29,5	29,5	0E300	07 00	X	X	X	X	X
	30/30	59	29,5	29,5	0E300	07 12	X	X	X	X	X
	33/33	65	32,5	32,5	0E300	10 00	X	X	X	X	X
	33/33	65	32,5	32,5	0E300	10 12	X	X	X	X	X
<b>Knob Cylinder with "T" knob</b>											
	30/30	59	29,5	29,5	0E302	07 00	X	X	X	X	X
	30/30	59	29,5	29,5	0E302	07 12	X	X	X	X	X
	33/33	65	32,5	32,5	0E302	10 00	X	X	X	X	X
	33/33	65	32,5	32,5	0E302	10 12	X	X	X	X	X
<b>Single Cylinder</b>											
	30/10	39,5	29,5	10,0	0E304	02 00	X	X	X	X	X
	30/10	39,5	29,5	10,0	0E304	02 12	X	X	X	X	X
<b>A6 LARGE OVAL CYLINDERS</b>											
<b>Double Cylinder</b>											
	33/33	65	32,5	32,5	0E710	10 12	X	X	X	X	X
<b>Knob Cylinder with "T" knob</b>											
	33/33	65	32,5	32,5	0E713	10 12	X	X	X	X	X

# ASTRAL SNAP RESISTANT EURO PROFILE CYLINDERS



## QUALITY YOU CAN MEASURE



**Conforms to Internationally accepted European Norm EN1303:2005 Key Related Security Grade 6, Attack Resistance Grade 1 and Durability Grade 6 - 100,000 duty cycles.**

### MAIN FEATURES

#### ACTIVE SECURITY ■

- **NUMBER OF KEY DIFFERS: over 1,600,000.**

#### PASSIVE SECURITY ■

- **Tearing Resistance - Snap Resistant**
  - Core made of 6 rigid segments and 1 flexible segment extending through the entire length of cylinder, visible at both ends of the cylinder, even when installed.
- **Push resistance: projecting cam.**
- **Drill resistance:**
  - Hardened steel insert in both ends of cylinder body.
  - Hardened steel pin and driver in first position
- **Bump Key Resistant "BKP":**
  - Use of patented special top pins.

#### KEY ARRANGEMENT CAPACITY ■

- 63,000 different cylinders per MK key. (including passive pin capacity.)

#### RELIABILITY ■

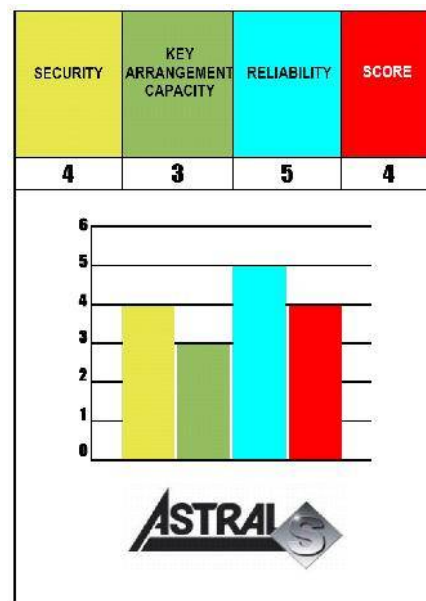
- 100 000 cycles (compliant with EN 1303:2005 –Durability Grade 6)

#### CERTIFICATION

- Certified by ICIM according to European Norm EN 1303:2005.
- Durability Grade 6.
- Key Related Security Grade 6.
- Attack Resistance Grade 1.

#### PATENTS

- Utility Model: B02003U000006 (Snap Resistant features).



#### Technical features:

##### CYLINDER

- 10 pin (6 actives, 4 Passives) key biting system.
- Brass body
- Brass plugs.
- Self-lubricating sintered steel projecting cam, DIN compatible.
- Pins
  - in wear resistant bronze
  - in hardened steel in first position
- Drivers
  - in brass.
  - in hardened steel in first position.
- Phosphor bronze and steel springs.

#### Technical features:

##### KEY

- flat reversible key
- in special brass alloy nickel plated.
- Numbered on key head.
- 2.9mm thickness.
- .48mm depths.

#### On request:

- KA – Keyed Alike.
- MK – Master Keyed.
- GMK – Grand Master Keyed.
- CL – Central Locking.

#### Supplied as stand

- Cylinder fixing screw.
- 2 Keys: 00620-01
- CODE CARD for direct code for ease of duplication

#### Finishes:

- Standard: sanded brass (finish 00).
- On request: nickel plated (finish 12).

**ASTRAL "SNAP" CYLINDERS**



Finish 00 Sanded Brass 12 Nickel Plated				ASTRAL		00620 10 Pins					
Nom. Length	L	A	B	CODE	S I Z E	F I N	KEYED DIFFERENT & KEYED ALIKE	MASTER KEYED	GRAND MASTER KEYED	CON-STRUCTION MASTER KEYED. +ADD	BUMP KEY RESISTANT +ADD
							KD, KA	MK	GMK	CMK	BKP
<b>Double Cylinder</b>											
33/33	65	32,5	32,5	0A3S0	10	00	X	X	X	X	B K P
33/33	65	32,5	32,5	0A3S0	10	12	X	X	X	X	
<b>Knob Cylinder with "T" knob</b>											
33/33	65	32,5	32,5	0A3S2	10	66	X	X	X	X	I N C L U D E D
33/33	65	32,5	32,5	0A3S2	10	12	X	X	X	X	

**ASTRAL CYLINDERS**



Finish 00 Sanded Brass 12 Nickel Plated				ASTRAL		00620 10 Pins					
Nom. Length	L	A	B	CODE	S I Z E	F I N	KEYED DIFFERENT & KEYED ALIKE	MASTER KEYED	GRAND MASTER KEYED	CON-STRUCTION MASTER KEYED. +ADD	BUMP KEY RESISTANT +ADD
							KD, KA	MK	GMK	CMK	BKP
<b>Double Cylinder</b>											
30/30	59	29,5	29,5	0A310	07	00	X	X	X	X	X
30/30	59	29,5	29,5	0A310	07	12	X	X	X	X	X
33/33	65	32,5	32,5	0A310	10	00	X	X	X	X	X
33/33	65	32,5	32,5	0A310	10	12	X	X	X	X	X
<b>Knob Cylinder with "T" knob</b>											
30/30	59	29,5	29,5	0A312	07	00	X	X	X	X	X
30/30	59	29,5	29,5	0A312	07	12	X	X	X	X	X
33/33	65	32,5	32,5	0A312	10	66	X	X	X	X	X
33/33	65	32,5	32,5	0A312	10	12	X	X	X	X	X
<b>Single Cylinder</b>											
30/10	39,5	29,5	10,0	0A314	02	66	X	X	X	X	X
30/10	39,5	29,5	10,0	0A314	02	12	X	X	X	X	X
33/10	42,5	32,5	10,0	0A314	09	00	TBA				
33/10	42,5	32,5	10,0	0A314	09	12	X	X	X	X	X
<b>OVAL Double Cylinder</b>											
33/33	65	32,5	32,5	0A710	10	00	X	X	X	X	X
33/33	65	32,5	32,5	0A710	10	12	X	X	X	X	X
<b>OVAL Knob Cylinder with Knob</b>											
33/33	65	32,5	32,5	0A713	10	00	X	X	X	X	X
33/33	65	32,5	32,5	0A713	10	12	X	X	X	X	X
<b>OVAL Single Cylinder</b>											
33/10	42,5	32,5	10	0A714	02	66	X	X	X	X	X
33/10	42,5	32,5	10	0A714	02	12	X	X	X	X	X

**ASTRAL CYLINDERS – continued**



Finish			<b>ASTRAL</b>		00620 10 Pins					
00	Sanded Brass		CODE	S I Z E	F I N	KEYED DIFFERENT & KEYED ALIKE	MASTER KEYED	GRAND MASTER KEYED	CON- STRUCTION MASTER KEYED. +ADD	BUMP KEY RESISTANT +ADD
12	Nickel Plated									
Nom. Length L A B						KD, KA	MK	GMK	CMK	BKP
			Night Latch Cylinder	0A510	00	00	X	X	X	X
				0A510	00	12	X	X	X	X
			Steel Padlock Cylinder	0A610	00	00	X	X	X	X
			Cam Lock	0A410	00	12	X	X	X	X
			Threaded Cylinder	0A810	-	12	X	X	X	

**ASTRAL PADLOCKS**

FOR COMPLETE INFO REFER SECT 3- PADLOCKS

			<b>SOLID BRASS PADLOCK FOR REPLACEABLE SINGLE CYLINDER</b>								
Supplied with 0A314-02			26810	AST		X	X	X	X		
			<b>SOLID HARDENED STEEL PADLOCKS</b>								
			28053	55		X	X	X	X		
			28053	56		X	X	X	X		
			28053	57		X	X	X	X	X	
			28053	70		X	X	X	X	X	
			28053	71		X	X	X	X	X	
			28053	72		X	X	X	X	X	
			28353	62		X	X	X	X		
			<b>SOLID HARDENED STEEL SLIDE BOLT PADLOCKS</b>								
			28553	67		X	X	X	X		
			28553	75		X	X	X	X		
			28553	85		X	X	X	X		

# AP3 SNAP RESISTANT EURO PROFILE CYLINDERS



## QUALITY YOU CAN MEASURE

*Conforms to Internationally accepted European Norm EN1303:2005 Key Related Security Grade 6, Attack Resistance Grade 2 and Durability Grade 6 - 100,000 duty cycles.*



### MAIN FEATURES

#### ACTIVE SECURITY ■

- **PATENTED SYSTEM:** key with spring-loaded pin.
- **SECURITY CARD:** for authorized duplication system. Keys can only be duplicated by CISA or CISA Solution Partner, and only upon presentation of the Security Card.
- **NUMBER OF KEY DIFFERS:** over 40,000,000

#### PASSIVE SECURITY ■

- **Tearing Resistance – Snap Resistant:**
- **Push Resistance:** projecting cam.
- **Drill Resistance:**
  - one hardened steel insert into both sides of the cylinder body
  - 3 hardened steel inserts into plug
  - hardened steel pins drivers and passive pins.
- **Picking resistance:**
  - special shape of drivers, one active patented pin
- **Bump Key Resistant "BKP":** patented top pin

#### KEYING ARRANGEMENT CAPACITY ■

- 132,000 different cylinders per MK key (including passive pins capacity).
- other configurations available upon request.

#### RELIABILITY ■

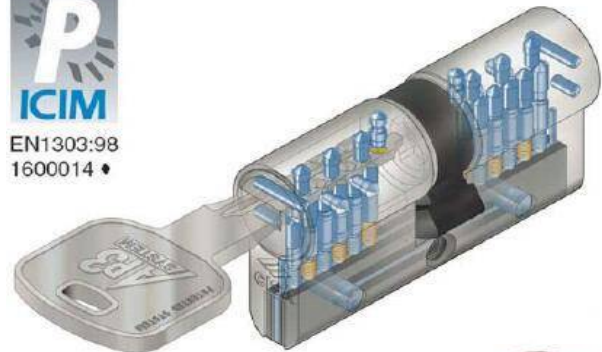
- 100,000 cycles (compliant with European EN 1303:2005 - Durability grade 6)

#### CERTIFICATION

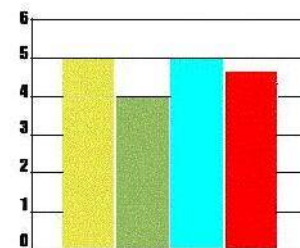
- Certified by ICIM according to European Norm EN 1303:2005.
- Durability Grade 6, Key Related Security Grade 6, Attack Resistance Grade 2.

#### PATENTS

- PCT/EP99/07611
- Utility Model: B02003U000006 Snap Resistant



SECURITY	KEY ARRANGEMENT CAPACITY	RELIABILITY	SCORE
5	4	5	4,7



#### Technical Features:

##### CYLINDER:

- 12 pins (6 + 1 active, 5 passive) key biting system.
- Brass body and plugs.
- Self lubricating sintered steel projecting DIN cam.
- Pins:
  - in hardened steel
  - special anti-picking shape
- Drivers:
  - in hardened steel, cylindrical and mushroom for an anti-picking function.
- phosphor bronze and steel springs

##### KEY

- Flat reversible keys
- in nickel silver alloy
- numbered on key head
- 2.9mm thickness
- 0.48mm depth
- compatible with protective roses

##### Finishes:

- Standard: nickel-plated sanded brass (fin.12)
- on request: polished brass (fin 66)

##### On Request:

- KA, MK, GMK, GGMK, CL

##### Supplied as standard:

- fixing screw
- user maintenance instructions.
- 2 keys art 1.00770.00.0
- SECURITY CARD.



**"AP3" SNAP RESISTANT CYLINDERS**



Finish				AP3 SYSTEM		00770 12 Pins							
12	Nickel Plated	23	Satin Chrome	66	Polished Brass	CODE	SIZE	FIN	KEYED DIFFERENT & KEYED ALIKE	MASTER KEYED	GRAND MASTER KEYED	CONSTRUCTION MASTER KEYED. +ADD	BUMP KEY RESISTANT +ADD
Nom. Length		L	A	B					KD, KA	MK	GMK	CMK	BKP
<b>Double Cylinder</b>													
	30/30	59	29,5	29,5	0H3S0	07	12		X	X	X	X	
	33/33	65	32,5	32,5	0H3S0	10	12		X	X	X	X	
	35/35	69	34,5	34,5	0H3S0	13	12		X	X	X	X	
	40/40	79	39,5	39,5	0H3S0	18	12		X	X	X	X	
					0H3S0	18	66		X	X	X	X	
<b>Knob Cylinder with "T" knob</b>													
	30/30	59	29,5	29,5	0H3S2	07	12		X	X	X	X	
	33/33	65	32,5	32,5	0H3S2	10	12		X	X	X	X	
	35/35	69	34,5	34,5	0H3S2	13	12		X	X	X	X	
					0H3S2	13	66		X	X	X	X	
<b>Single Cylinder</b>													
	30/10	39,5	29,5	10,0	0H314	02	12		X	X	X	X	
					0H314	02	66		X	X	X	X	

**B K P I N C L U D E D**

**"AP3" LARGE OVAL CYLINDERS**

<b>OVAL Double Cylinder</b>													
	33/33	65	32.5	32.5	0H710	10	23		X	X	X	X	
	33/33	65	32.5	32.5	0H710	10	66		X	X	X	X	
<b>OVAL Knob Cylinder with "T" knob</b>													
	33/33	65	32.5	32.5	0H712	10	23		X	X	X	X	
<b>OVAL Single Cylinder</b>													
	33/10	42.5	32.5	10	0H714	02	23		X	X	X	X	

**"AP3" CYLINDERS**

<b>Electric Lock Cylinder Set</b> 11721, 11931													
					0H149	00	00		X	X	X	X	
<b>Eletrika Cylinder Set</b> 1A721, 1A731													
					0H150	00	00		X	X	X	X	
<b>Cam Lock</b>													
					0H410	00	12		X	X	X	X	

**"AP3" CYLINDERS**








Finish  
 12 Nickel Plated  
 23 Satin Chrome  
 66 Polished Brass



00770  
 12 Pins



	CODE	S I Z E	F I N	KEYED DIFFERENT & KEYED ALIKE	MASTER KEYED	GRAND MASTER KEYED	CON- STRUCTION MASTER KEYED. +ADD	BUMP KEY RESISTANT +ADD
				KD, KA	MK	GMK	CMK	BKP
 <p>Night Latch Cylinder</p>	0H510	00	00	X	X	X	X	
	0H510	00	12	X	X	X	X	
 <p>Steel Padlock Cylinder</p>	0H610	00	00	X	X	X	X	
 <p>Threaded Cylinder</p>	0H810	-	12	X	X	X	X	
  <p>Extra Cut Key                      Extra Cut Key - ALI</p>	00770	00	0	X				
	00770	CL	0	X				

**"AP3" PADLOCKS**

FOR COMPLETE INFO REFER SECT 3- PADLOCKS



**SOLID BRASS PADLOCK FOR REPLACEABLE SINGLE CYLINDER**

Supplied with  
 0H314-02

26810	AP3			X	X	X	X	
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**SOLID HARDENED STEEL PADLOCKS**



28053	55			X	X	X	X	
28053	56			X	X	X	X	
28053	57			X	X	X	X	
28053	70			X	X	X	X	
28053	71			X	X	X	X	
28053	72			X	X	X	X	



28353	62			X	X	X	X	
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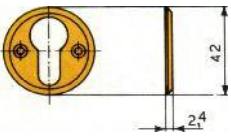
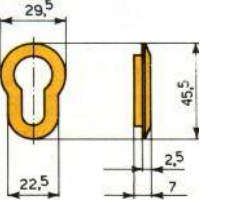
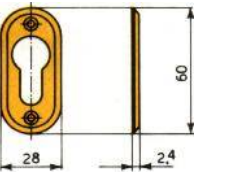
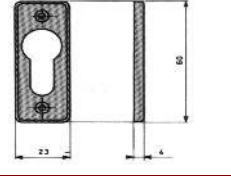
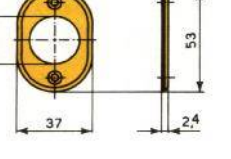
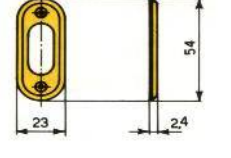
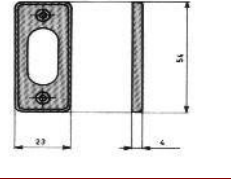
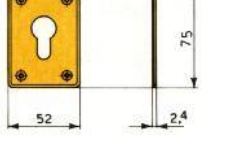
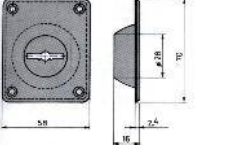
**SOLID HARDENED STEEL SLIDE BOLT PADLOCKS**



28553	67			X	X	X	X	
28553	75			X	X	X	X	
28553	85			X	X	X	X	

**CYLINDER ESCUTCHEONS.**



	Code	Size	Finish	Price Each
 <ul style="list-style-type: none"> <li>· Brass rose brass finish.</li> <li>· Brass rose nickel finish.</li> </ul>	<b>06010</b>	00		<b>X</b>
	<b>06010</b>	00	12	<b>X</b>
 <ul style="list-style-type: none"> <li>· Brass rose brass finish.</li> <li>· Brass rose nickel finish.</li> </ul>	<b>06011</b>	00		<b>X</b>
	<b>06011</b>	00	12	<b>X</b>
 <ul style="list-style-type: none"> <li>· Brass rose brass finish.</li> <li>· Brass rose nickel finish.</li> </ul>	<b>06012</b>	00		<b>X</b>
	<b>06012</b>	00	12	<b>X</b>
 <ul style="list-style-type: none"> <li>· Black nylon rose</li> </ul>	<b>06012</b>	01		<b>X</b>
 <ul style="list-style-type: none"> <li>· Brass rose for cylinder 02552</li> </ul>	<b>06018</b>	25		<b>X</b>
 <ul style="list-style-type: none"> <li>· Nickel <b>push-on</b> rose for 08210</li> <li>· Nickel <b>standard</b> rose for 08210.</li> </ul>	<b>06026</b>	00	12	<b>X</b>
	<b>06027</b>	00	12	<b>X</b>
 <ul style="list-style-type: none"> <li>· Black nylon rose</li> </ul>	<b>06027</b>	01		<b>X</b>
 <ul style="list-style-type: none"> <li>· Brass rose brass finish.</li> </ul>	<b>06043</b>	00	00	<b>X</b>
 <ul style="list-style-type: none"> <li>· Brass escutcheon</li> <li>· Hollow outside.</li> </ul>	<b>06083</b>	00		<b>X</b>

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