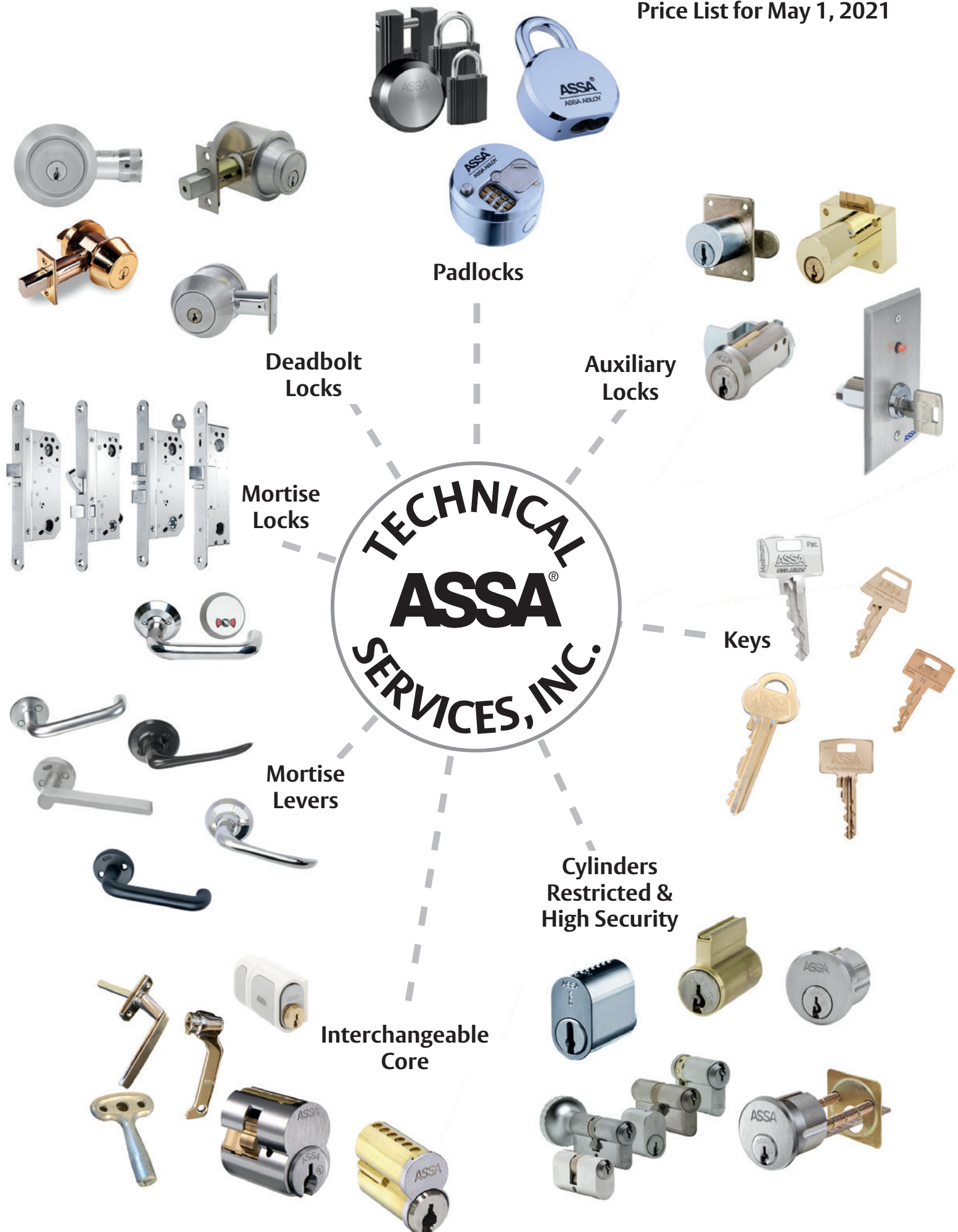


Price List for May 1, 2021





Thomas Resciniti Demont is a 4th generation locksmith that has been working in all aspects of the security hardware industry for over 65 years. Over 30 of those years are with ASSA.

Tom sold his sales agency Technical Sales, Inc. to his employees in 1998 to take a position with Arrow and ASSA as their product development and government sales manager.

In 2000, Tom was asked to take ASSA as their National Sales Manager and move the plant from Brooklyn, NY to New Haven, CT. Sales at that time were \$1.8M and when Tom retired in 2009 as the Director of Sales & Marketing sales were \$7.4M. Retirement was short lived!

By 2010, ASSA asked Tom to take over sales of ASSA mortise locks because it was too cumbersome for the plant to try and process these orders. ASSA Technical Services, Inc., was founded to process ASSA mortise lock sales in the US. After a year of processing orders through New Haven we were asked to order directly from ASSA AB in Sweden.

In 2013, ASSA, Inc., asked us to sell directly to their ASSA Certified Service Centers so that they could maintain their current discount. The factory had changed buying procedures that would harm the ASSA Service Centers and we agreed to work with them to keep ASSA sales in the forefront. Still growing mortise lock sales slowly until 2015 when our counterpart in Canada decided to drop the ASSA mortise lock line and sold their existing inventory to us and we now were servicing all North America.

Our mortise lock inventory doubled overnight as did our demand. Today we stock 75% of the ASSA AB product line and 100% of the ASSA, Inc., product line. Our current inventory stands at over ½ million and is growing each year.

As you will see by this new product catalogue, we offer everything ASSA manufacturers in Sweden and the US to support the ASSA product line. Our company policy is that if we sell you a product, we will put in back-up stock to support you in the future.

Tom

Tom Resciniti Demont, President
ASSA Technical Services, Inc.

ASSA Technical Services, Inc., is not part of the ASSA ABLOY worldwide group of companies. We are a totally independent distributor and we use ASSA in our company name to symbolize the only product we sell.



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ASSA TECHNICAL SERVICES, INC.

ASSA RUKO MORTISE LOCKS * ASSA FIX WINDOW HARDWARE * ASSA HIGH SECURITY LOCKS

6174 STATE ROUTE 88
FINLEYVILLE, PA 15332

OFFICE (724) 969-2595
FAX (413) 677-7814

E-MAIL CCA OR ORDERS TO Thomas@assatechnicalservicesinc.com

Credit Card Authorization

Date: _____

Name on Credit Card: _____

Credit Card Type: ☐ American Express ☐ Mastercard ☐ Visa

Credit Card number: _____

Expiration Date: _____ Security Code: _____

Amount to be paid: _____

Credit Card Billing Address: _____

City: _____ Province/State: _____ ZIP Code: _____

Credit Card Billing Phone: _____

Authorized Signature: _____

**THE AMERICAS' LARGEST STOCKING
DISTRIBUTOR OF ASSA SWEDISH PRODUCTS**



ASSA CLIQ / Remote

The ASSA CLIQ Remote takes the CLIQ concept to a new level by making it possible to give one person, regardless of location, anywhere in the world, the ability to remotely grant or deny access to an opening for a specific period, day or time.

Administrators can make all daily changes to users' access rights without ever needing to have the keys physically or visit the opening. The web-based application CLIQ Web Manager links users with one or more remote programming devices strategically located where users frequently pass such as the staff entrance. All user keys feature a quartz clock making it possible to control the user's authorization during selected times. You can specify both a start and a stop time when a key will have access to a particular opening. Keys can be enabled to work on multiple schedules for different openings.



Employing an optional feature known as revalidation, a user key can be set to expire at regular intervals requiring that the user revalidate the key for current access permissions. Revalidation limits the liability of a lost or stolen key by blocking any future updates. For example, if keys are set to expire every 24 hours, the user must access a remote programming device in order to get new authorization for the next interval. In the event of a lost or stolen user key the electronic authorization can simply be blocked and the key becomes useless.

All ASSA CLIQ Remote electromechanical keys systems can be fully integrated with both Maximum+ and Twin Maximum mechanical systems for maximum flexibility. CLIQ Remote helps you to take a total solution approach to key administration, regardless of facility placement or size, saving both time and money.

Benefits:

- Installation Without Wiring at the Opening
- Access Rights Updated Remotely
- User Key Revalidation
- Multiple Time Schedules
- Audit Trail with Time and Date Stamp
- Extreme Master Keying Capacity
- Cost Effectiveness
- Wide Range of Retrofit Cylinder Shapes
- Same Key Operates both Mechanical and Electronic Lock

- Encrypted (3DES) Level Key Communication

Functionality:

- Battery Life 2 Years or 20K Openings
- HID Prox Chip Option

Warranty:

- 2 Years on Electronics
- ASSA warrants against key breakage under normal use

Certification:

- Patented Key Control
- Operating Temperatures: -40° F to 130° F

* CE and RoHS Approved Key

* EMC Tested According to EN61000-6-2, 3 (2014/30/EU)

Technical Information:

- Power Supply is Provided by the Key
- 128 bit AES Support Coming in 2021
- Sealed Electronics: IP57 Rated
- CLIQ Connect Bluetooth (BLE) Key Coming in 2021



ASSA CLIQ Remote™ / Keys & Accessories



CLIQ Remote™ C-Key,
User Key, Master C-Key



CLIQ Remote™
Programming Device



CLIQ Remote™
Remote Wall
Programming Device



CLIQ Remote™
Remote Mobile
Programming Device

ASSA CLIQ Remote™

Item No.	Description	Price
CLIQ-KDRBLE	CLIQ Connect Bluetooth (BLE) User Key	209.00
CLIQ-KDR	CLIQ Remote User Key	119.25
CLIQ-KDRP	CLIQ Remote User Key with Proximity Tag	139.26
CLIQ-RMCK	CLIQ Remote Master C-Key	209.02
CLIQ-RCK	CLIQ Remote C-Key	201.18
CLIQ-PD	CLIQ Programming Device	1,415.00
CLIQ-RPD	CLIQ Remote Wall Programming Device	879.61
CLIQ-MPD	CLIQ Remote Mobile Programming Device	835.27
CLIQ-VRPD	CLIQ Remote Outdoor/Vandal Resistant Programming Device	1,584.96
CLIQ-REND	CLIQ Remote End User Kit	1,806.48
CLIQ-RDEMO	CLIQ Remote Demo Kit	7,431.84
CLIQ-TRAINING	CLIQ Professional Service	1,900.00/T&E/NET

ASSA CLIQ™ Web Hosting Service

Item No.	Description	Annual Service Fee
CLIQ-WH-B	Basic	749.43
CLIQ-WH-RP	Remote Plus	2,248.40
CLIQ-WH-EPW	Enterprise Plus *Required for BLE keys	4,309.80

ASSA CLIQ™ Customer Web Hosting Service

Item No.	Description	1-Time License Fee	Annual Maint. Fee
CLIQ-SH-EPW	Enterprise Plus with Web Services	22,486.20	—
CLIQ-SH-MAINT	Self Hosted Annual Maintenance Fee	—	1,816.10

ASSA CLIQ Remote™ Web Manager Features

	Part Number	CLIQ-WH-B	CLIQ-WH-RP	CLIQ-WH-EPW
	Description	Hosted Basic	Hosted Remote+	Hosted Enterprise
Features	Domain Administration	√	√	√
	Remote Programming	x	√	√
	Key Revalidation	x	√	√
	Access Profiles	x	√	√
	Temporary Access Groups	x	√	√
	Flexible Revalidation	x	x	√
	Cylinder Groups	x	x	√
	Web Services for 3rd Party Applications	x	x	√
	Bluetooth (BLE) Keys	x	x	√



CLIQ
Contact
Key

Item No.	Description	Price
CLIQ-KD	CLIQ Cut Key	115.46
CLIQ-KDP	CLIQ-Cut Key with Proximity tag	135.47
CLIQ-CK	CLIQ C-Key	201.18
CLIQ-MCK	CLIQ Master C-Key	209.02
CLIQ-CON	CLIQ Contact Key	216.32

[illegible][illegible]

Item No.	Description	Price
CLIQ-END	Program Device with Single Site Performer Software – Manages CLIQ System	2,143.44
CLIQ-END-NT	Program Device with Network Performer Software – Manages CLIQ System	2,604.16
CLIQ-ESDK	Executive Sales Demo Kit	684.11/net
CLIQ-DEA	Program Device with Single Site Performer Software – Manages Multiple CLIQ Systems	2,143.44
CLIQ-DEA-NT	Program Device with Network Performer Software – Manages Multiple CLIQ Systems	2,604.16
CLIQ-PD	CLIQ Programming Device	1,415.00
CLIQ-NT-LIC	License Upgrade from Single Site to Network Installation	1,173.12
CLIQ-TRAINING	CLIQ Professional Service	1,900.00/T&E/NET
CLIQ-SDK	Sales Demo Kit	9,529.52

CLIQ-WCVR-METAL \$83.39



Keys and Keying

All ASSA keys are manufactured from the highest quality nickel silver material. The key's rounded back facilitates smooth operation and minimizes wear. The large key bow simplifies identification and use by manually impaired people.

Available in several profiles ASSA high security keys all feature a unique side milling on the lower portion of the key blade which is precut at the ASSA factory. Each side milling represents a proprietary key section that is factory controlled on a geographic basis providing an unmatched level of patented key control.



Benefits:

- Two sets of key cuts designed to operate independent locking mechanisms
- Innovative key design protected by U.S. and international patents
- Patented key control offers the ultimate in high security
- Top cuts can be generated on standard, quality code cutting equipment
- ASSA's generous keying capabilities allow over 160,000 change keys under a single master key

Certification:

- Maximum+ key listed under U.S. Patent number 8,205,473

Warranty:

- ASSA warrants that if a key should break under normal usage, ASSA will replace it at no charge
- ASSA warrants that no other top level master key for any other ASSA factory generated master key system will operate as a top level key in an end-user's system for a specified geographic territory
- ASSA's patented key systems are legally protected against unauthorized key duplication

Technical Information:

- High quality nickel silver material
- Key combination is read from tip to bow
- No. 1 cut is deepest, No. 9 is shallowest
- Maximum adjacent cut is 5 (example: 1-6 is acceptable, 1-7, 8 or 9 is not)
- Cut depth is measured as root depth from back of key to bottom of cut

Special stamping and custom coining available



Keys and Keying



Maximum+



Twin Maximum

Twin 6000 &
Twin Exclusive

Twin V-10



Twin Pro



UK



UM



PK



PL



UL

868062
600 Series

ASSA Cut Keys

Item No.	Description	Price
MAXP-KD	Maximum+ Cut Keys – KD	19.74
MAXP-KA	Maximum+ Cut Keys – KA	19.74
MAXP-MK	Maximum+ Control – MK	19.74
MAXP-CTRL	Maximum+ Control Key	19.74
TMAX-KD	Twin Maximum Cut Keys – KD (Replaced by part MAXP-KD in 2014)	19.74
TMAX-KA	Twin Maximum Cut Keys – KA (Replaced by part MAXP-KA in 2014)	19.74
TMAX-MK	Twin Maximum Cut Keys – MK (Replaced by part MAXP-MK in 2014)	19.74
TMAX-CTRL	Twin Maximum – CTRL (Replaced by part MAXP-CTRL in 2014)	19.74
TWIN-KD	Twin Exclusive/6000 Classic (Specify Profile) Cut Keys – KD	21.53
TWIN-KA	Twin Exclusive/6000 Classic (Specify Profile) Cut Keys – KA	21.53
TWIN-MK	Twin Exclusive/6000 Classic (Specify Profile) Cut Keys – MK	21.53
TWIN-CTRL	Twin Exclusive/Twin 6000 – CTRL	21.53
V-10-KD	Twin V-10 Cut Keys – KD	21.53
V-10-KA	Twin V-10 Cut Keys – KA	21.53
V-10-MK	Twin V-10 Cut Keys – MK	21.53
V-10-CTRL	Twin V-10 – CTRL	21.53
TPRO-KD	Twin Pro Cut Keys – KD	21.53
TPRO-KA	Twin Pro Cut Keys – KA	21.53
TPRO-MK	Twin Pro Cut Keys – MK	21.53
TPRO-CTRL	Twin Pro – CTRL	21.53
SFIC-KD	ASSA SFIC Cut Keys – KD	19.74
SFIC-KA	ASSA SFIC Cut Keys – KA	19.74
SFIC-MK	ASSA SFIC Cut Keys – MK	19.74
SFIC-CTRL	ASSA SFIC Cut Keys – CTRL	19.74
600-KD	600 Series Cut Keys – KD	21.09
600-KA	600 Series Cut Keys – KA	21.09
600-MK	600 Series Cut Keys – MK	21.09

ASSA Key Blanks

Item No.	Description	Price Each
762951	ASSA SFIC Blanks – Specify Sidebar Code and Profile	7.74
323330	Maximum+ Key Blank (Specify Sidebar Code)	7.74
359644	Twin Maximum Key Blanks (Specify Sidebar Code), (Replaced by part 323330 in 2014)	7.74
867091	Twin 6000 Key Blanks (specify sidebar code and profile)	8.22
E867091	Twin Exclusive Key blanks/Sidebar code (specify sidebar code)	8.22
250694	Twin V-10 Keyblanks/Sidebar code (specify sidebar code)	8.22
816313	Twin Pro Keyblanks/Sidebar code (specify sidebar code)	8.22
868062	600 Series Key Blanks – Specify Profile	8.01

Key blanks have a 50 piece minimum quantity per blank.

ASSA Coined Key Blanks

Item#	Description	Price
IDC	Initial die charge	260.00/net
868996	500 minimum key blank quantity each order (Specify profile and side code)	8.28



Keys and Keying

The ASSA Key Records Department carefully designs and records master key systems in compliance with customer requirements and ASSA security policy. System documents are thoroughly detailed, produced, and professionally presented, and should be considered valuable and confidential. Key Records information and service is available as follows:

Factory Keyed Cylinders

Cylinders pinned by the factory are supplied "Keyed Different" or if so specified as one of the following options:

- Master Keyed (Bittings provided at No Charge when requested with the order).....18.98 per cylinder
- Keyed Alike/Keyed Different.....No Charge
- Single Keyed Different (Part of MK System) 18.98 per cylinder
- Keyed Cylinders: SFIC and CLIQ.....No Charge

Master Key Log

An ASSA Master Key order log file must be submitted electronically to ASSA Key Records for all factory master keyed orders. The form is available by contacting your ASSA Sales Representative, ASSA Customer Service, or on our web site at www.assalock.com/download.htm. The completed form is then e-mailed to ASSA Key Records at Assaorders@assalock.com.

ASSA, Inc. uses DHI (Door Hardware Institute) nomenclature as a lock industry standard in key system design such as key coding. Any variation outside of DHI standard has risk. The ASSA Master Key System Development Department will attempt to convert any keying or key coding outside of standard DHI format but accepts no responsibility for mistakes in understanding other nomenclature outside of the DHI industry standard.

Factory Generated Master Key Systems

ASSA will provide new master key systems for pinning by the locksmith in accordance with prices below:

Bitting lists or key charts requested for key sets ordered with a factory keyed product for new or existing master key systems will be provided at "No Charge."

Orders for bitting lists ONLY without factory keyed product will be charged per the price table below.

Orders for additional bittings for existing master key groups will be provided as follows:

A) Up to 10 bittings under an existing master key already established in the system will be provided at "No Charge." Orders for all bittings requiring the establishment of a new master key in an existing master key system will be provided per the price table below.

B) Orders greater than 10 bittings for an existing master key system will be provided per the price table below.

C) Order acknowledgment will reflect tier number for appropriate quantity.

Tier	Quantity	ON PAPER				ON DISK			
		Bittings Only		Bittings & Pinnings		Bittings Only		Bittings & Pinnings	
		Part No.	Price	Part No.	Price	Part No.	Price	Part No.	Price
1	1-50	MKBC-1B	200.00	MKBC-1BP	600.50	MKBC-1D	94.25	MKBC-1BPD	194.75
2	51-200	MKBC-2B	300.50	MKBC-2BP	799.75	MKBC-2D	94.25	MKBC-2BPD	387.25
3	201-1000	MKBC-3B	398.75	MKBC-3BP	999.50	MKBC-3D	94.25	MKBC-3BPD	484.75
4	1001-5000	MKBC-4B	499.50	MKBC-4BP	1,600.00	MKBC-4D	94.25	MKBC-4BPD	776.75
5	5001-10000	MKBC-5B	630.25	MKBC-5BP	2,400.75	MKBC-5D	94.25	MKBC-5BPD	1,166.75
6	10001-25000	MKBC-6B	858.00	MKBC-6BP	3,107.50	MKBC-6D	182.50	MKBC-6BPD	1,508.00

Over 25,000 or more contact Customer Service for quote. These prices are for a hierarchical Master Key System with no Cross-keying of selective keys. For special requirements, contact Customer Service or Key Records Department. System design changes requested by the customer to an established ASSA master key system are subject to a \$500.00 list charge.

Systems prior to 1996, contact Customer Service for quote. Disks will be provided in flat ASCII text only.

Standard KD/KA key stamping includes keyway designation code.

Standard MK system stamping includes standard key coding key symbol.

Do Not Duplicate and other special stamping requirements will be priced at 5.20 per stamp. ASSA can stamp up to 6 alpha-numeric characters. If more are required please consult the factory.

Rekeying Charges

Item No.	Description	Price
RE-KEY	Non-Master Keyed Cylinders	71.12
RE-KEY-MK	Master Keyed Cylinders	87.07

Factory does not recommend cross-keying and will not warranty any cross-keyed cylinders.



Keys and Keying

Master Key Order Procedure:

Master key system orders for ASSA products are processed using proprietary software. This allows us to import the customer order data when it is submitted to us in the compatible format described below on a diskette or via E-mail. **All ASSA factory master key systems must be submitted electronically in this format**

Excel File Format:

The format of an Excel file which we can import is shown below. The first row in the file should number the columns 1 through 14, the file should not contain headers or formulas.

The import of an Excel format file offers a special feature regarding systems which incorporate a ENG key. If a particular item is to be operated by the ENG key in addition to the other key indicated by the keyset you can indicate this to our software by adding a suffix of "-E" to the keyset. In such a case AA1 would become AA1-E if it should be operated by the ENG key. This specification option is not available if the imported file is supplied in ASCII format.

In order to ensure that correct master keying information is received and accurate records are maintained, ASSA has designed an Order Log Template. The following is an example of a completed sample order log:

Column	Content	Character Limit
1	Item #	4
2	Cylinder Quantity	4
3	Cyl/Cam PN	12
4	Finish	5
5	Column Unused	Column Unused
6	Keyset	12
7	Key Quantity	4
8	Door #	12
9	Comments	20
10	Special Key Stamp	12 (For stamping other than DHI or SKCS standard)
11	Column Unused	Column Unused
12	Column Unused	Column Unused
13	Column Unused	Column Unused
14	Cross Keying Info	20

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Item#	Cyl.Qty	Cyl/Cam Part#	Finish	None	Keyset	Key.Qty	Door # (Location)	Comments	Spl. Key Stamp	None	None	None	Cross-keying info
2	1	2	3	4	5	6	7	8	9	10	11	12	13	14
3	1	1	98611	13		AA1	2	12 - 125						
4	2	1	98611	13		AA2	2	12 - 126						
5	3	1	98611	13		AA3	2	12 - 177						
6	4	3	98611	13		AA4	2	12 - 178						
7	5	1	98611	13		XAA5	2	12 - 179		M01				OpBy A;AA;AA6;AA7;AA8
8	6	1	98611	13		AA6	2	12 - 180						

The template for the order log file that must be submitted with all factory master keyed orders can be found on our web site at http://www.assalock.com/en/site/assalock_com/Resources.

When filling out the key quantity column, the quantity of keys entered on the line will be the total number of keys supplied for that line. This field cannot be left blank. **Even if no keys are required a zero must be entered.**

In the example above, item 4 has 3 cylinders and 2 keys specified.

The total number of keys to be supplied for this line is 2.

The Order Log Template is also available by contacting your local ASSA sales representative or ASSA Customer Service. If a computer or the Excel program is not available to you, contact your local ASSA sales representative for assistance in getting the form completed. The completed form along with the formal written purchase order is then e-mailed to ASSA Customer Service at email address Assaorders@assalock.com.

The ASSA Key Records Department carefully designs and records master key systems in compliance with customer requirements and ASSA security policy. System documents are thoroughly detailed, produced, and professionally presented, and should be considered valuable and confidential. Key Records information and service is available as follows:

Factory Keyed Cylinders:

Cylinders pinned by the factory are supplied "Keyed Different" or if so specified as one of the following options:

- Master Keyed (Bitings provided at No Charge when requested with the order)
- Keyed Alike/Keyed Different
- Single Keyed Different (Part of MK System)

**Factory does not recommend cross-keying
and will not warranty any cross-keyed cylinders.**



Mortise Cylinders

ASSA mortise cylinders are designed to replace several original manufacturers' cylinders in their locksets offering the highest level of security available on the market today. Made to standard U.S. dimensions, these rugged cylinders are available in a variety of finishes and lengths and stand up to even the heaviest abuse. All ASSA High Security mortise cylinders are listed under U.L. 437, a set of tests for determining the cylinder's physical resistance against various forms of attack. ASSA mortise cylinders will improve the security of standard mortise locksets by Arrow, Corbin/Russwin, Sargent, Schlage, Yale and many other manufacturers.



Benefits:

- Drill resistant cylinder housing and plug
- Case-hardened steel inserts and stainless steel pins
- Two independent locking mechanisms to ensure optimum pick resistance
- Inactive "false" gates in side pins designed to increase pick resistance
- Counter mill in each chamber position to further enhance pick resistance
- Extremely close tolerances
- Can be easily rekeyed in the field
- With the purchase of one inexpensive kit, 1-1/8" mortise cylinder is easily converted to rim cylinder

Certification:

- All ASSA High Security Mortise cylinders are U.L. 437 Listed

Warranty:

- ASSA warrants its cylinders against defective workmanship or wear resulting from defects for one year

Technical Information:

- Available in cylinder lengths 1-1/8" through 2" in 1/8" increments
- Available with limited rotation and/or unidirectional features
- 13 cam options available
- Cylinder housing and plug are made of high quality brass
- Stainless steel top pins
- Bottom pins and master pins are nickel silver

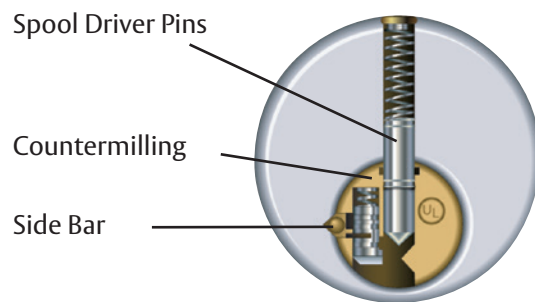
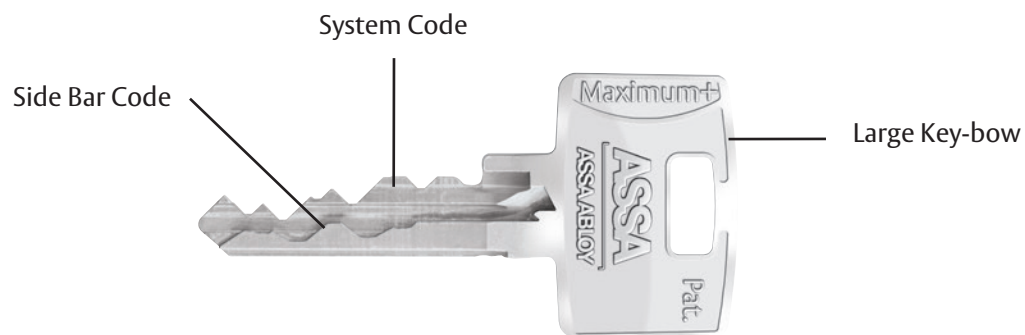
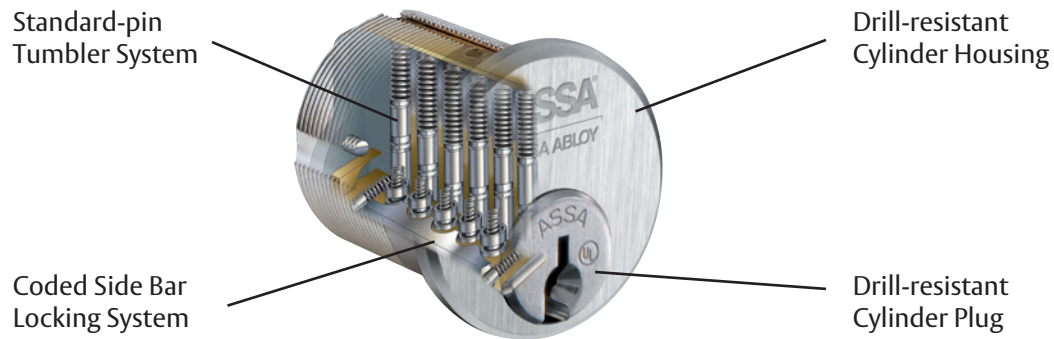
Finishes:

BHMA Symbol	U.S. Symbol	Description
625	US 26	Bright Chrome
626	US 26D	Satin Chrome
605	US 3	Bright Brass
606	US 4	Satin Brass
612	US 10	Satin Bronze
624	US 10B	Dark Oxidized Bronze

Note: Plug finishes available in 626 and 606 only.

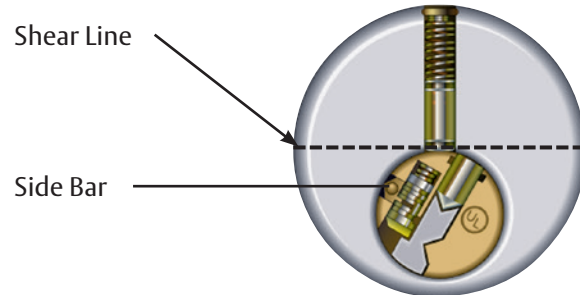


Mortise Cylinders Cut-Away View



No key inserted:

- Standard pins block the shear line
- Side bar rests in groove of cylinder housing, blocking movement of plug

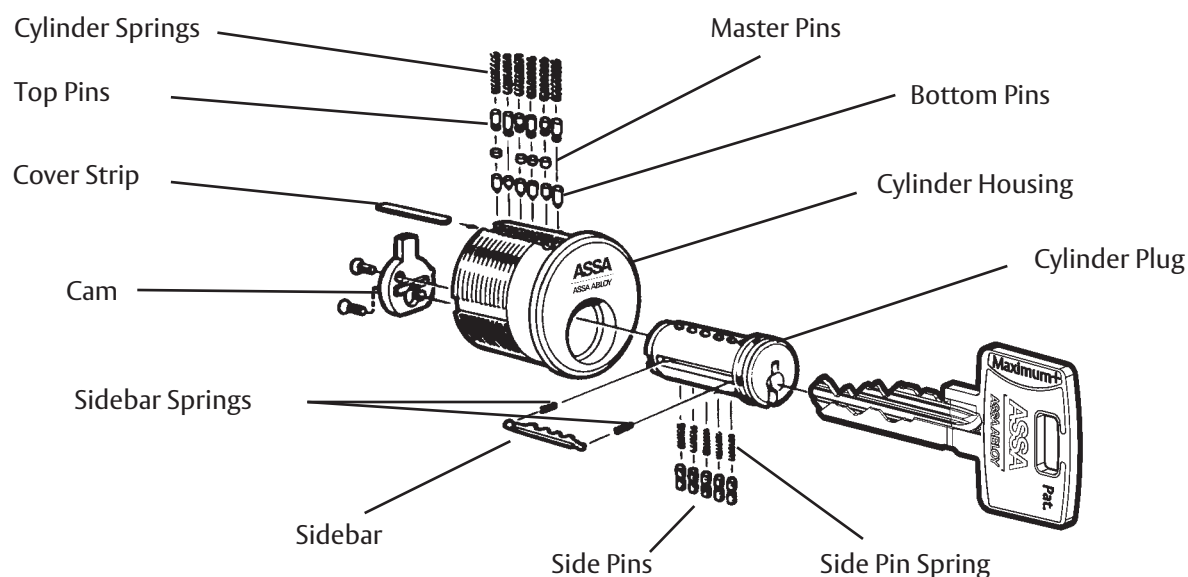


Correct key inserted:

- System code of key lifts standard pins to shear line
- Side bar code of key lifts side pins into a position where the side bar can be received. Side bar then recesses into plug as key is turned



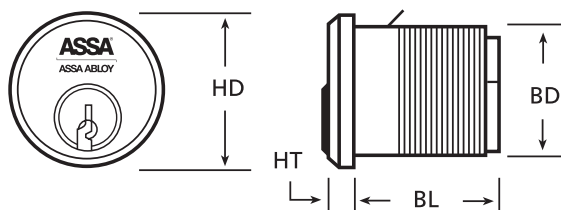
Mortise Cylinders Exploded View



Mortise Cylinders Specifications

Mortise Cylinder Key:

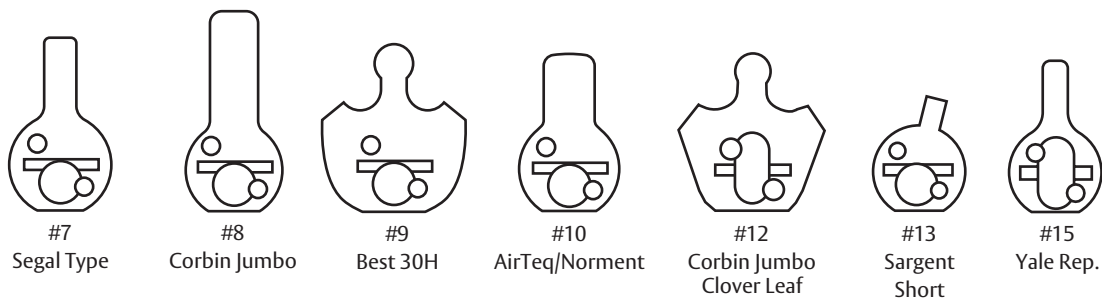
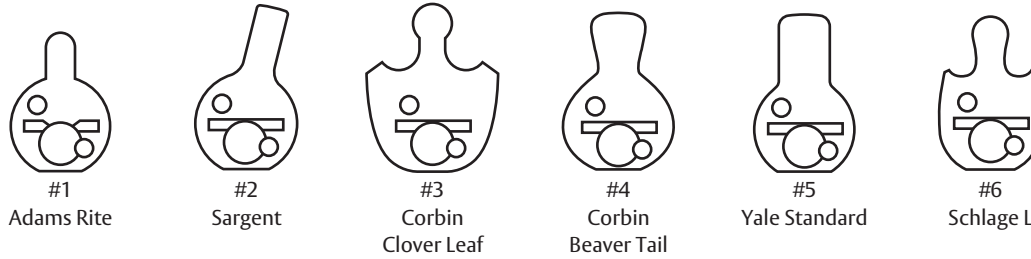
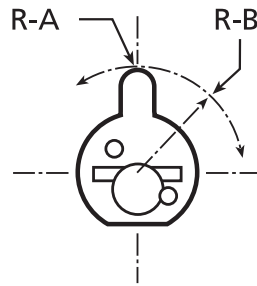
HD – Head Diameter
 HT – Head Thickness
 BL – Body Length (Includes Cam)
 BD – Body Diameter



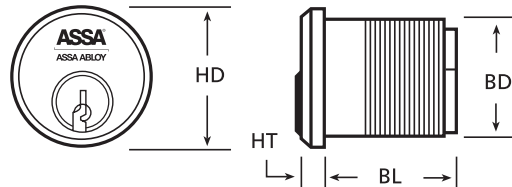
Description	HD Head Diameter	HT Head Thickness	BL Body Length w/Cam	BD Body Diameter
1-1/8" Mortise Cylinders	1.366"	0.138"	1.125"	1.157"
1-1/4" Mortise Cylinders			1.25"	
1-3/8" Mortise Cylinders			1.375"	
1-1/2" Mortise Cylinders			1.5"	
1-5/8" Mortise Cylinders			1.625"	
1-3/4" Mortise Cylinders			1.75"	
1-7/8" Mortise Cylinders			1.875"	
2" Mortise Cylinders			2.0"	
Corbin Jumbo Mortise Cylinder	1.648"		1.125"	1.492"



Available Cams for Mortise Locks



Cam #	Description	RA – Head Radius	RB – Overall Radius
#1	Adams Rite Cam	0.118"	0.555"
#2	Sargent Cam	N/A	0.709"
#3	Corbin Clover Leaf Cam	0.114"	0.602"
#4	Corbin Beaver Tail Cam	N/A	0.732"
#5	Yale Standard Cam	N/A	0.709"
#6	Schlage "L" Cam	0.124"	0.516"
#7	Segal Type Cam	N/A	0.779"
#8	Corbin Jumbo Cam	N/A	0.914"
#9	Best 30H Cam	0.114"	0.602"
#10	AirTeq/Norment Cam	N/A	0.787"
#12	Corbin Jumbo Clover Leaf	0.114"	0.828"
#13	Sargent Short Cam	N/A	0.515"
#15	Yale Replacement Cam	0.308"	0.742"



Mortise Cylinders

Mortise Cylinder Key:

HD – Head Diameter
HT – Head Thickness
BL – Body Length (Includes Cam)
BD – Body Diameter

Model#/Cam	Notes	Size	Description	HD	HT	BL	BD	Comp	Sub	SNS
Maximum+										
9851- (Specify Cam)	† •	1-1/8"	Maximum+ Mortise Cylinder	1.366"	0.138"	1.125"	1.157"	151.42	131.42	126.42
9852- (Specify Cam)	† •	1-1/4"				1.25"		163.32	143.32	138.32
9853- (Specify Cam)		1-3/8"				1.375"		359.09	339.09	334.09
9854- (Specify Cam)		1-1/2"				1.50"		378.56	358.56	353.56
9855- (Specify Cam)		1-5/8"				1.625"		383.97	363.97	358.97
9856- (Specify Cam)		1-3/4"				1.75"		391.54	371.54	366.54
9857- (Specify Cam)		1-7/8"				1.875"		400.19	380.19	375.19
9858- (Specify Cam)		2"				2.0"		407.76	387.76	382.76
Maximum+ Restricted										
R2851- (Specify Cam)	†	1-1/8"	Maximum+ Restricted Mortise Cylinder	1.366"	0.138"	1.125"	1.157"	56.24	36.24	—
R2852- (Specify Cam)	†	1-1/4"				1.25"		75.71	55.71	—
R2853- (Specify Cam)		1-3/8"				1.375"		90.85	70.85	—
R2854- (Specify Cam)		1-1/2"				1.50"		82.20	62.20	—
R2855- (Specify Cam)		1-5/8"				1.625"		116.81	96.81	—
Twin Maximum										
8851- (Specify Cam)	† 	1-1/8"	Twin Maximum Mortise Cylinder	1.366"	0.138"	1.125"	1.157"	151.42	131.42	126.42
8852- (Specify Cam)	† 	1-1/4"				1.25"		163.32	143.32	138.32
8853- (Specify Cam)		1-3/8"				1.325"		359.09	339.09	334.09
8854- (Specify Cam)		1-1/2"				1.50"		378.56	358.56	353.56
8855- (Specify Cam)		1-5/8"				1.625"		383.97	363.97	358.97
8856- (Specify Cam)		1-3/4"				1.75"		391.54	371.54	366.54
8857- (Specify Cam)		1-7/8"				1.875"		400.19	380.19	375.19
8858- (Specify Cam)		2"				2.0"		407.76	387.76	382.76
Twin Exclusive										
E6551- (Specify Cam)	† •	1-1/8"	Twin Exclusive Mortise Cylinder	1.366"	0.138"	1.125"	1.157"	189.28	169.28	164.28
E6552- (Specify Cam)	† •	1-1/4"				1.25"		204.42	184.42	179.42
E6553- (Specify Cam)		1-3/8"				1.325"		464.01	444.01	439.01
E6554- (Specify Cam)		1-1/2"				1.50"		473.74	453.74	448.74
E6555- (Specify Cam)		1-5/8"				1.625"		466.17	446.17	441.17
E6556- (Specify Cam)		1-3/4"				1.75"		475.90	455.90	450.90
E6557- (Specify Cam)		1-7/8"				1.875"		485.64	465.64	460.64
E6558- (Specify Cam)		2"				2.0"		496.45	476.45	471.45
Twin 6000 Classic										
6551- (Specify Cam)	† •	1-1/8"	Twin 6000 Classic Mortise Cylinder	1.366"	0.138"	1.125"	1.157"	189.28	169.28	164.28
6552- (Specify Cam)	† •	1-1/4"				1.25"		204.42	184.42	179.42
6553- (Specify Cam)		1-3/8"				1.375"		464.01	444.01	439.01
6554- (Specify Cam)		1-1/2"				1.50"		473.74	453.74	448.74
6555- (Specify Cam)		1-5/8"				1.625"		466.17	446.17	441.17
6556- (Specify Cam)		1-3/4"				1.75"		475.90	455.90	450.90
6557- (Specify Cam)		1-7/8"				1.875"		485.64	465.64	460.64
6558- (Specify Cam)		2"				2.0"		496.45	476.45	471.45

† Available in special function cylinders, see page 5, add \$39.31.

- Available in Raised Plug Face, upcharge will apply.

 – Twin Maximum available with either CLIQ™ Remote or CLIQ™ Technology, add \$556.92.

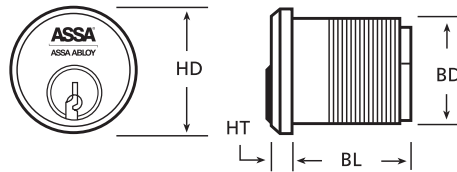
Example: 8851-1 x **CLIQ** x 626 x Sidebar x Comp

How To Order ASSA Mortise Cylinders:

Example:	Model #	Cam #	Finish	Security Form	Keyway
	9851-.....	1 (Cams 1-6 no extra charge)	626	Sub	0A7-200
		(Cams 7-15 add \$5.00 to price of cylinder)	<i>Contact Customer Service Department for Keyway Numbers.</i>		



Mortise Cylinders



Mortise Cylinder Key:

HD – Head Diameter

HT – Head Thickness

BL – Body Length (Includes Cam)

BD – Body Diameter

Model#/Cam	Notes	Size	Description	HD	HT	BL	BD	Comp	Sub	SNS
Twin V-10										
V6551- (Specify Cam)	†	1-1/8"	Twin V-10 Mortise Cylinder	1.366"	0.138"	1.125"	1.157"	189.28	169.28	164.28
V6552- (Specify Cam)	†	1-1/4"				1.25"		204.42	184.42	179.42
V6553- (Specify Cam)		1-3/8"				1.375"		464.01	444.01	439.01
V6554- (Specify Cam)		1-1/2"				1.50"		473.74	453.74	448.74
V6555- (Specify Cam)		1-5/8"				1.625"		466.17	446.17	441.17
V6556- (Specify Cam)		1-3/4"				1.75"		475.90	455.90	450.90
V6557- (Specify Cam)		1-7/8"				1.875"		485.64	465.64	460.64
V6558- (Specify Cam)		2"				2.0"		496.45	476.45	471.45
Twin Pro										
6151- (Specify Cam)	†	1-1/8"	Twin Pro Mortise Cylinder	1.366"	0.138"	1.125"	1.157"	189.28	169.28	164.28
6152- (Specify Cam)	†	1-1/4"				1.25"		204.42	184.42	179.42
6153- (Specify Cam)		1-3/8"				1.325"		464.01	444.01	439.01
6154- (Specify Cam)		1-1/2"				1.50"		473.74	453.74	448.74
6155- (Specify Cam)		1-5/8"				1.625"		466.17	446.17	441.17
6156- (Specify Cam)		1-3/4"				1.75"		475.90	455.90	450.90
6157- (Specify Cam)		1-7/8"				1.875"		485.64	465.64	460.64
6158- (Specify Cam)		2"				2.0"		496.45	476.45	471.45
Twin Low										
L651- (Specify Cam)		1-1/8"	Twin Low Mortise Cylinder	1.366"	0.138"	1.125"	1.157"	Twin Low Series is Discontinued. Contact Factory for Availability and Pricing.		
L652- (Specify Cam)		1-1/4"				1.25"				
L653- (Specify Cam)		1-3/8"				1.325"				
L654- (Specify Cam)		1-1/2"				1.50"				
L655- (Specify Cam)		1-5/8"				1.625"				
L656- (Specify Cam)		1-3/4"				1.75"				
L657- (Specify Cam)		1-7/8"				1.875"				
L658- (Specify Cam)		2"				2.0"				
600 Series Classic										
651- (Specify Cam)		1-1/8"	600 Series Classic Mortise Cylinder	1.366"	0.138"	1.125"	1.157"	167.65	147.65	—
652- (Specify Cam)		1-1/4"				1.25"		163.32	143.32	—
653- (Specify Cam)		1-3/8"				1.325"		359.09	339.09	—
654- (Specify Cam)		1-1/2"				1.50"		378.56	358.56	—
655- (Specify Cam)		1-5/8"				1.625"		383.97	363.97	—
656- (Specify Cam)		1-3/4"				1.75"		391.54	371.54	—
657- (Specify Cam)		1-7/8"				1.875"		400.19	380.19	—
658- (Specify Cam)		2"				2.0"		407.76	387.76	—

† Available in special function cylinders, see page 5, add \$39.31.

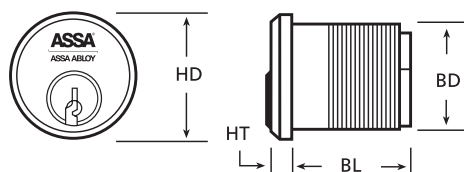
How To Order ASSA Mortise Cylinders:

Example:	Model #	Cam #	Finish	Security Form	Keyway
	9851-.....	1 (Cams 1-6 no extra charge)	626	Sub	0A7-200
		(Cams 7-15 add \$5.00 to price of cylinder)			Contact Customer Service

Contact Customer Service Department for Keyway Numbers.



Mortise Cylinders



Mortise Cylinder Key:

HD – Head Diameter

HT – Head Thickness

BL – Body Length (Includes Cam)

BD – Body Diameter

Corbin Jumbo Mortise Cylinders

Model#/Cam	Notes	Description	HD	HT	BL	BD	Comp	Sub	SNS
Maximum+									
7951-8	†	Corbin Jumbo Mortise Cylinder with Corbin Jumbo Cam	1.648"	0.138"	1.125"	1.492"	343.95	323.95	318.95
7951-12	†	Corbin Jumbo Mortise Cylinder w/ Cor. Jumbo Clover Cam					343.95	323.95	318.95
Twin Maximum									
7851-8	† 	Corbin Jumbo Mortise Cylinder with Corbin Jumbo Cam	1.648"	0.138"	1.125"	1.492"	343.95	323.95	318.95
7851-12	† 	Corbin Jumbo Mortise Cylinder w/ Cor. Jumbo Clover Cam					343.95	323.95	318.95
Twin Exclusive									
E7551-8	†	Corbin Jumbo Mortise Cylinder with Corbin Jumbo Cam	1.648"	0.138"	1.125"	1.492"	418.58	398.58	393.58
E7551-12	†	Corbin Jumbo Mortise Cylinder w/ Cor. Jumbo Clover Cam					418.58	398.58	393.58
Twin 6000 Classic									
7551-8	†	Corbin Jumbo Mortise Cylinder with Corbin Jumbo Cam	1.648"	0.138"	1.125"	1.492"	418.58	398.58	393.58
7551-12	†	Corbin Jumbo Mortise Cylinder w/ Cor. Jumbo Clover Cam					418.58	398.58	393.58
Twin V-10									
V7551-8	†	Corbin Jumbo Mortise Cylinder with Corbin Jumbo Cam	1.648"	0.138"	1.125"	1.492"	418.58	398.58	393.58
V7551-12	†	Corbin Jumbo Mortise Cylinder w/ Cor. Jumbo Clover Cam					418.58	398.58	393.58
Twin Pro									
7151-8	†	Corbin Jumbo Mortise Cylinder with Corbin Jumbo Cam	1.648"	0.138"	1.125"	1.492"	418.58	398.58	393.58
7151-12	†	Corbin Jumbo Mortise Cylinder w/ Cor. Jumbo Clover Cam					418.58	398.58	393.58
Twin Low									
L751-8		Corbin Jumbo Mortise Cylinder with Corbin Jumbo Cam	1.648"	0.138"	1.125"	1.492"	Twin Low Series is Discontinued. Contact Factory for Availability and Pricing.		
L751-12		Corbin Jumbo Mortise Cylinder w/ Cor. Jumbo Clover Cam							
600 Series Classic									
751-8		Corbin Jumbo Mortise Cylinder with Corbin Jumbo Cam	1.648"	0.138"	1.125"	1.492"	329.89	309.89	—
751-12		Corbin Jumbo Mortise Cylinder w/ Cor. Jumbo Clover Cam					329.89	309.89	—

† Available in special function cylinders, see page 5, add \$39.31.

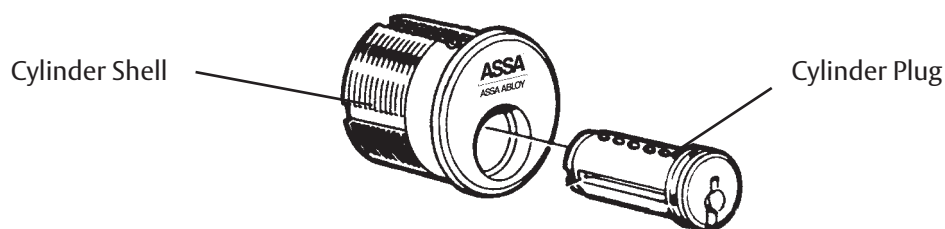


– Twin Maximum available with either CLIQ™ Remote or CLIQ™ Technology, add \$556.92.

Example: 7851-8 x CLIQ x 626 x Sidebar x Comp



Mortise Component Parts



Maximum+ / Twin Maximum / Twin Pro

Model#	Notes	Description	Price
867429	*	1-1/8" Cylinder Shell	98.05
867430	*	1-1/4" Cylinder Shell	98.05
867431	*	1-3/8" Cylinder Shell	165.59
867432	*	1-1/2" Cylinder Shell	165.59
867433	*	1-5/8" Cylinder Shell	156.02
867434	*	1-3/4" Cylinder Shell	162.19
867435	*	1-7/8" Cylinder Shell	172.95
867436	*	2" Cylinder Shell	179.82
807987	*	Corbin Jumbo 1-1/8" Shell	113.08
356955	*†	1-1/8" Cylinder Plug	54.08
356956	*†	1-1/4" Cylinder Plug	54.08
356957	*†	1-3/8" Cylinder Plug	59.49
356958	*†	1-1/2" Cylinder Plug	59.49
356959	*†	1-5/8" Cylinder Plug	64.90
356960	*†	1-3/4" Cylinder Plug	70.30
356961	*†	1-7/8" Cylinder Plug	70.30
356962	*†	2" Cylinder Plug	81.12

* – Indicates Finished Components.

† – Specify Profile. 0A7, OM7, OP4

Twin V-10

Model#	Notes	Description	Price
867429	*	1-1/8" Cylinder Shell	98.05
867430	*	1-1/4" Cylinder Shell	98.05
867431	*	1-3/8" Cylinder Shell	165.59
867432	*	1-1/2" Cylinder Shell	165.59
867433	*	1-5/8" Cylinder Shell	156.02
867434	*	1-3/4" Cylinder Shell	162.19
867435	*	1-7/8" Cylinder Shell	172.95
867436	*	2" Cylinder Shell	179.82
807987	*	Corbin Jumbo 1-1/8" Shell	113.08
353970	*	1-1/8" Cylinder Plug	54.08
353971	*	1-1/4" Cylinder Plug	54.08
353972	*	1-3/8" Cylinder Plug	59.49
353973	*	1-1/2" Cylinder Plug	59.49
353974	*	1-5/8" Cylinder Plug	64.90
353975	*	1-3/4" Cylinder Plug	70.30
353976	*	1-7/8" Cylinder Plug	70.30
353977	*	2" Cylinder Plug	81.12

* – Indicates Finished Components

Twin Exclusive / Twin 6000 Classic

Model#	Notes	Description	Price
867429	*	1-1/8" Cylinder Shell	98.05
867430	*	1-1/4" Cylinder Shell	98.05
867431	*	1-3/8" Cylinder Shell	165.59
867432	*	1-1/2" Cylinder Shell	165.59
867433	*	1-5/8" Cylinder Shell	156.02
867434	*	1-3/4" Cylinder Shell	162.19
867435	*	1-7/8" Cylinder Shell	172.95
867436	*	2" Cylinder Shell	179.82
807987	*	Corbin Jumbo 1-1/8" Shell	113.08
367019	*†	1-1/8" Cylinder Plug	54.08
367020	*†	1-1/4" Cylinder Plug	54.08
367021	*†	1-3/8" Cylinder Plug	59.49
367022	*†	1-1/2" Cylinder Plug	59.49
367023	*†	1-5/8" Cylinder Plug	64.90
367024	*†	1-3/4" Cylinder Plug	70.30
367025	*†	1-7/8" Cylinder Plug	70.30
367026	*†	2" Cylinder Plug	81.12

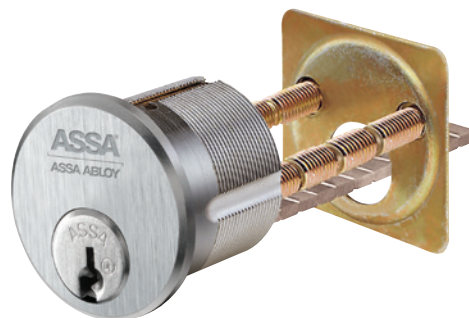
* – Indicates Finished Components.

† – Specify Profile. 51, 851



Rim Cylinders

Commonly used on apartment and condominium doors, ASSA rim cylinders are used on vertical deadbolt locks and are also designed for commercial exit and panic devices. Available with either horizontal/vertical break-off or lazy-motion type break-off tailpieces, ASSA rim cylinders can be ordered with the standard or the Sargent rim exit device mounting patterns. The standard rim cylinder can be easily converted to a mortise cylinder by simply replacing the rim tailpiece assembly with the appropriate cam.



Benefits:

- Drill resistant cylinder housing and plug
- Case-hardened steel inserts and stainless steel pins
- Two independent locking mechanisms to ensure security and optimum pick resistance
- Inactive “false” gates in side pins designed to increase pick resistance
- Counter mill in each chamber position to further enhance pick resistance
- Extremely close tolerances
- Can be easily rekeyed in the field
- Standard and Sargent hole pattern available
- Standard rim cylinder is easily converted to mortise cylinder

Warranty:

- ASSA warrants its cylinders against defective workmanship or wear resulting from defects for one year

Certification:

- All ASSA High Security Rim cylinders are U.L. 437 Listed

Technical Information:

- Available with limited rotation and/or unidirectional features
- Cylinder housing and plug are made of high quality brass
- Stainless steel top pins
- Bottom pins and master pins are nickel silver

Finishes:

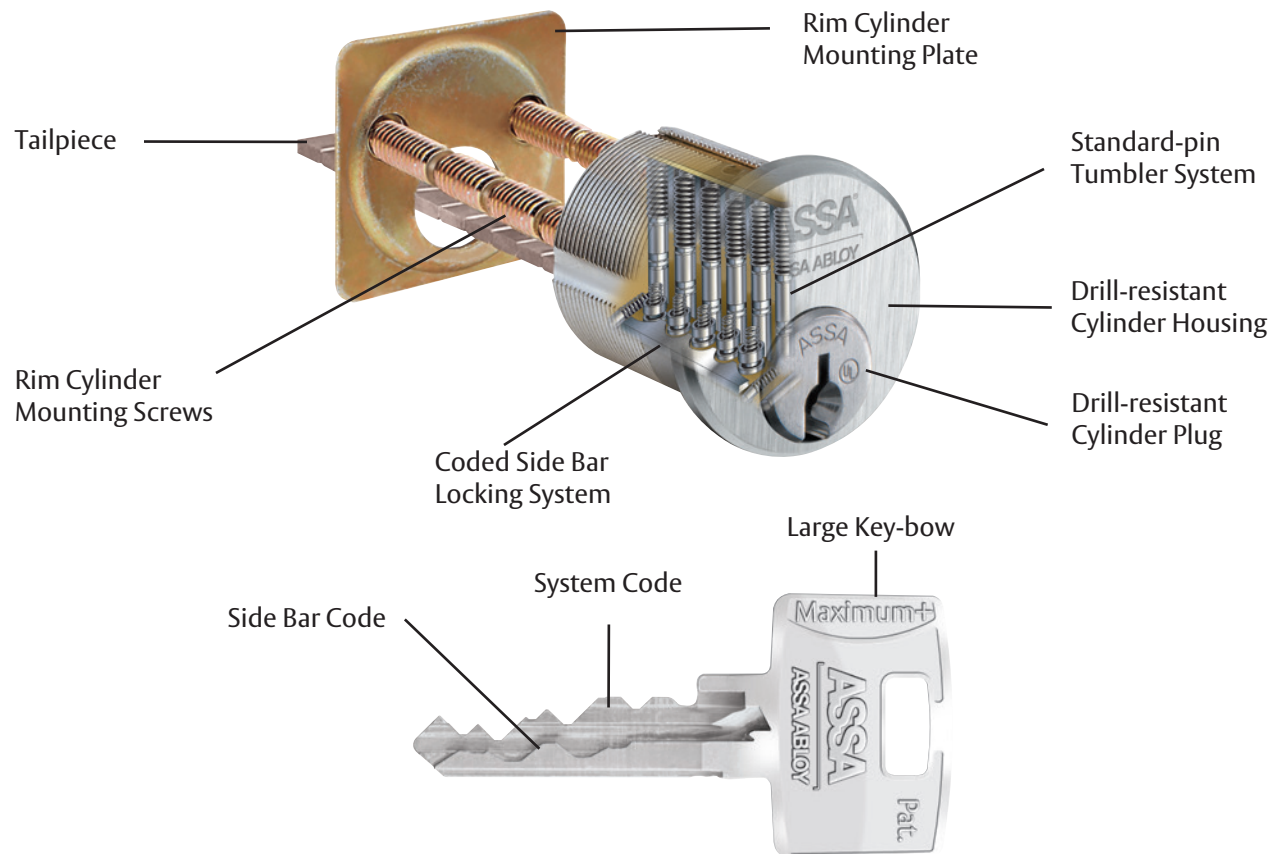
BHMA Symbol	U.S. Symbol	Description
625	US 26	Bright Chrome
626	US 26D	Satin Chrome
605	US 3	Bright Brass
606	US 4	Satin Brass
612	US 10	Satin Bronze
624	US 10B	Dark Oxidized Bronze

Note: Plug finishes available in 626 and 606 only.

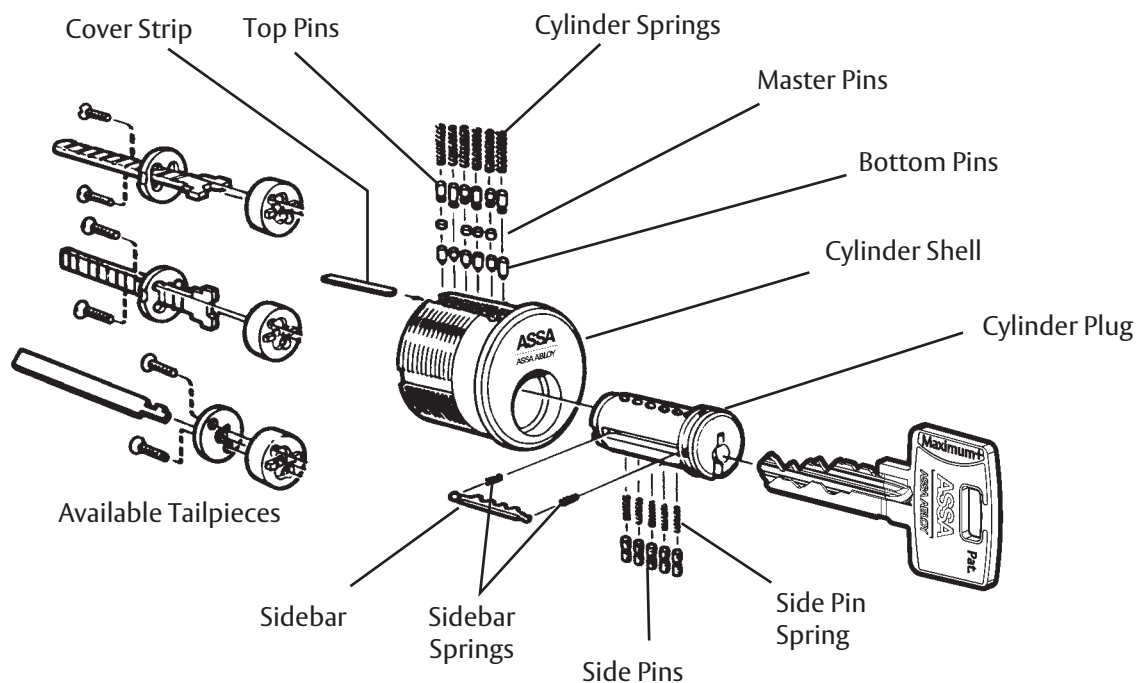


Rim Cylinders

Rim Cylinders Cut-Away View



Rim Cylinders Exploded View

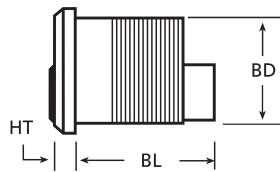




Rim Cylinders



Mortise Cylinder Key:
HD – Head Diameter

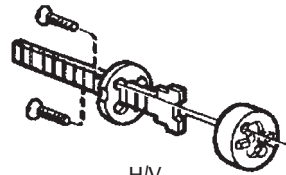


HT – Head Thickness

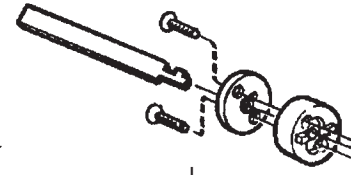
BL – Body Length (Includes Retainer)

BD – Body Diameter

Available Tailpieces



H/V



L

Model#	Tailpiece (Specify)	Notes	Description	HD	HT	BL	BD	Comp	Sub	SNS
Maximum+ Rim Cylinders										
9851	H, V, or L	†	1-1/8" Rim Cylinder	1.366"	0.138"	1.290"	1.157"	181.71	161.71	156.71
7951	H, V, or L	†	Corbin Jumbo Rim Cylinder	1.643"	0.170"	1.270"		343.95	323.95	318.95
S9851	H, V, or L	†	Special SGT Cylinder (Drilled for SGT. Devices)	1.366"	0.138"	1.290"		200.10	180.10	175.10
Maximum+ Restricted Rim Cylinders										
R2851	H, V, or L		1-1/8" Rim Cylinder	1.366"	0.138"	1.290"	1.157"	69.22	49.22	—
RS2851	H, V, or L		Special SGT Cylinder (Drilled for SGT. Devices)					85.45	65.45	—
Twin Maximum Rim Cylinders										
8851	H, V, or L	† 	1-1/8" Rim Cylinder	1.366"	0.138"	1.290"	1.157"	181.71	161.71	156.71
7851	H, V, or L	† 	Corbin Jumbo Rim Cylinder	1.643"	0.170"	1.270"		343.95	323.95	318.95
S8851	H, V, or L	† 	Special SGT Cylinder (Drilled for SGT. Devices)	1.366"	0.138"	1.290"		200.10	180.10	175.10
Twin Exclusive Rim Cylinders										
E6551	H, V, or L	†	1-1/8" Rim Cylinder	1.366"	0.138"	1.290"	1.157"	215.24	195.24	190.24
E7551	H, V, or L	†	Corbin Jumbo Rim Cylinder	1.643"	0.170"	1.270"		418.58	398.58	393.58
ES6551	H, V, or L	†	Special SGT Cylinder (Drilled for SGT. Devices)	1.366"	0.138"	1.290"		233.63	213.63	208.63
Twin 6000 Classic Rim Cylinders										
6551	H, V, or L	†	1-1/8" Rim Cylinder	1.366"	0.138"	1.290"	1.157"	222.81	202.81	197.81
7551	H, V, or L	†	Corbin Jumbo Rim Cylinder	1.643"	0.170"	1.270"		418.58	398.58	393.58
S6551	H, V, or L	†	Special SGT Cylinder (Drilled for SGT. Devices)	1.366"	0.138"	1.290"		233.63	213.63	208.63
Twin V-10 Rim Cylinders										
V6551	H, V, or L	†	1-1/8" Rim Cylinder	1.366"	0.138"	1.290"	1.157"	222.81	202.81	197.81
V7551	H, V, or L	†	Corbin Jumbo Rim Cylinder	1.643"	0.170"	1.270"		418.58	398.58	393.58
VS6551	H, V, or L	†	Special SGT Cylinder (Drilled for SGT. Devices)	1.366"	0.138"	1.290"		233.63	213.63	208.63
Twin Pro Rim Cylinders										
6151	H, V, or L	†	1-1/8" Rim Cylinder	1.366"	0.138"	1.290"	1.157"	222.81	202.81	197.81
7151	H, V, or L	†	Corbin Jumbo Rim Cylinder	1.643"	0.170"	1.270"		418.58	398.58	393.58
S6151	H, V, or L	†	Special SGT Cylinder (Drilled for SGT. Devices)	1.366"	0.138"	1.290"		233.63	213.63	208.63
Twin Low Rim Cylinders										
L651	H, V, or L		1-1/8" Rim Cylinder	1.366"	0.138"	1.290"	1.157"	167.65	147.65	—
L751	H, V, or L		Corbin Jumbo Rim Cylinder	1.643"	0.170"	1.270"		329.89	309.89	—
LS651	H, V, or L		Special SGT Cylinder (Drilled for SGT. Devices)	1.366"	0.138"	1.290"		205.50	185.50	—
600 Series Rim Cylinders										
651	H, V, or L		1-1/8" Rim Cylinder	1.366"	0.138"	1.290"	1.157"	167.65	147.65	—
751	H, V, or L		Corbin Jumbo Rim Cylinder	1.643"	0.170"	1.270"		329.89	309.89	—
S651	H, V, or L		Special SGT Cylinder (Drilled for SGT. Devices)	1.366"	0.138"	1.290"		205.50	185.50	—

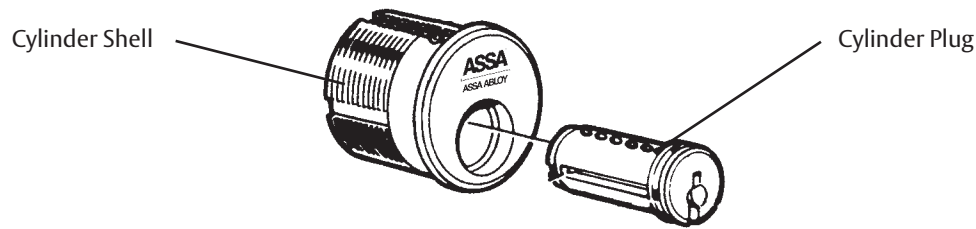
Note: All rim cylinders are supplied with a spring loaded collar. † Available in special function cylinders, see page 5, add \$39.31.

– Twin Maximum available with either CLIQ™ Remote or CLIQ™ Technology \$556.92.

Example: 8851-H x CLIQ x 626 x Sidebar x Comp _____ Note: V = Vertical; H = Horizontal; L = Lazy Motion.



Rim Cylinder Component Parts



Model#	Notes	Description	Price
Maximum + / Twin Maximum / Twin Pro			
354947	*	SARGENT Drilled Rim Shell	156.83
867429	*	1-1/8" Cylinder Shell	98.05
807987	*	Corbin Jumbo 1-1/8" Shell	113.08
356955	*	1-1/8" Cylinder Plug (Profile 0A7 or 0M7)	54.08
Twin Exclusive / Twin 6000 Classic			
354947	*	SARGENT Drilled Rim Shell	156.83
867429	*	1-1/8" Cylinder Shell	98.05
807987	*	Corbin Jumbo 1-1/8" Shell	113.08
367019	*†	1-1/8" Cylinder Plug (Profile 51 or 851)	54.08
Twin V-10			
354947	*	SARGENT Drilled Rim Shell	156.83
867429	*	1-1/8" Cylinder Shell	98.05
807987	*	Corbin Jumbo 1-1/8" Shell	113.08
353970	*†	1-1/8" Cylinder Plug	54.08

* – Indicates Finished Components.

† – Specify Profile.

How To Order ASSA Rim Cylinders:

Example: **Model #** **Tailpiece** **Finish** **Security Form** **Keyway**
 9851- H.....626 Sub.....0A7-200

Contact Customer Service
Department for Keyway
Numbers.

Rim Cylinder mounting plates, screws included with cylinder.
All items available separately below:

Part No.	Description	Price
900210	Rim cylinder mounting plate	2.87
900211	Rim cylinder mounting screws	2.22
900209	Kit, includes plate and 2 screws	4.06
900212	Rim cylinder collar rings (Finish 605, 624 & 626 ONLY)	6.76
867450	Horizontal & Vertical Rim Tailpiece Kit, includes 900209 Kit	26.99
867451	Lazy Motion Rim Tailpiece Kit, includes 900209 Kit	26.99

Aluminum blocking rings, finish 626 or 624 **ONLY**

Part No.	Thickness	Price
900219	1/4"	7.74
900220	3/8"	7.74
900221	1/2"	7.74

Adjustable collar ring, Item No. 900222,
finish 626,605 or 624 **ONLY**, ... 14.98
 Hardened collar ring, Item No. 900223,
finish 626 or 624 **ONLY**, ... 22.88
 Corbin Jumbo Collar, Item No. 900224,
finish 626, **ONLY** 18.93



High Security Mogul Cylinders

ASSA Mogul cylinders are designed to provide the maximum level of security and durability. Available for Folger Adam, AirTeq/Norment, R.R. Brink, Sargent, and Southern Steel detention locksets, the ASSA Mogul is the smart choice for today's corrections industry. A hardened cover plate and hardened steel inserts in the cylinder shell provide protection against even the most savage and determined forms of physical attack.



Benefits:

- Hardened plug cover plate to prevent drill attack
- Case-hardened steel inserts and stainless steel pins
- Two independent locking mechanisms to ensure security and optimum pick resistance
- Inactive "false" grooves on side pins designed to enhance pick resistance
- Counter mill in each chamber position to further enhance pick resistance
- Extremely close tolerances
- Can be easily rekeyed in the field

Warranty:

- ASSA warrants its cylinders against defective workmanship or wear resulting from defects for one year

Certification:

- All ASSA Twin Series Mogul cylinders are U.L. 437 listed as well as ASTM F 1577 6.6 compliant for standard test methods for Detention Locks

Technical Information:

- Available in 1-1/8" and 1-1/2" lengths
- Available with limited rotation and/or unidirectional features
- Cylinder housing and plug are made of high quality brass
- Stainless steel top pins
- Bottom pins and master pins are nickel silver

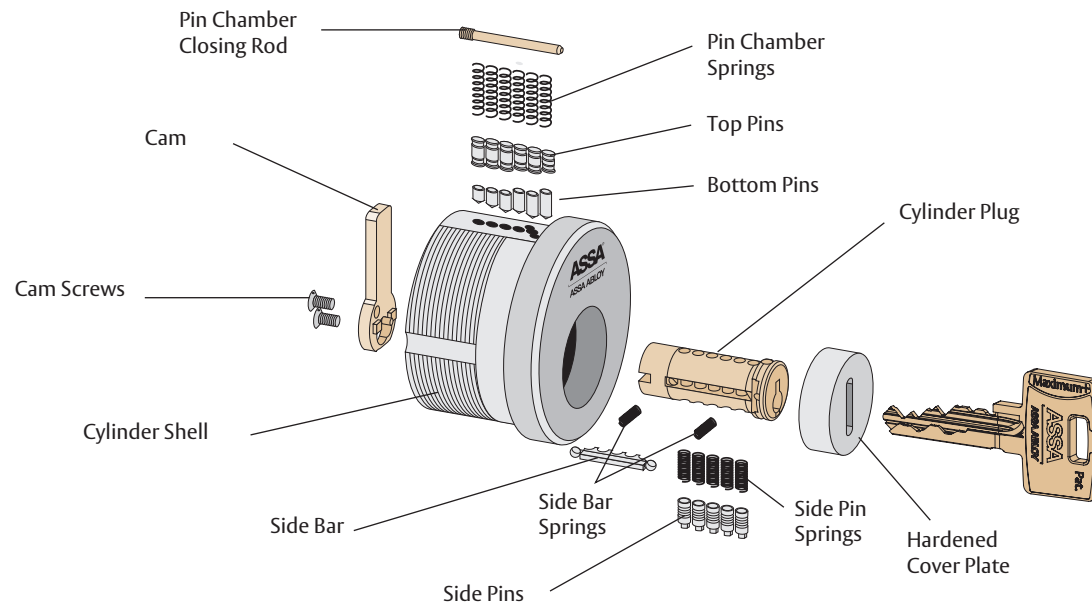
Finishes:

BHMA Symbol	U.S. Symbol	Description
626	US 26D	Satin Chrome
606	US 4	Satin Brass

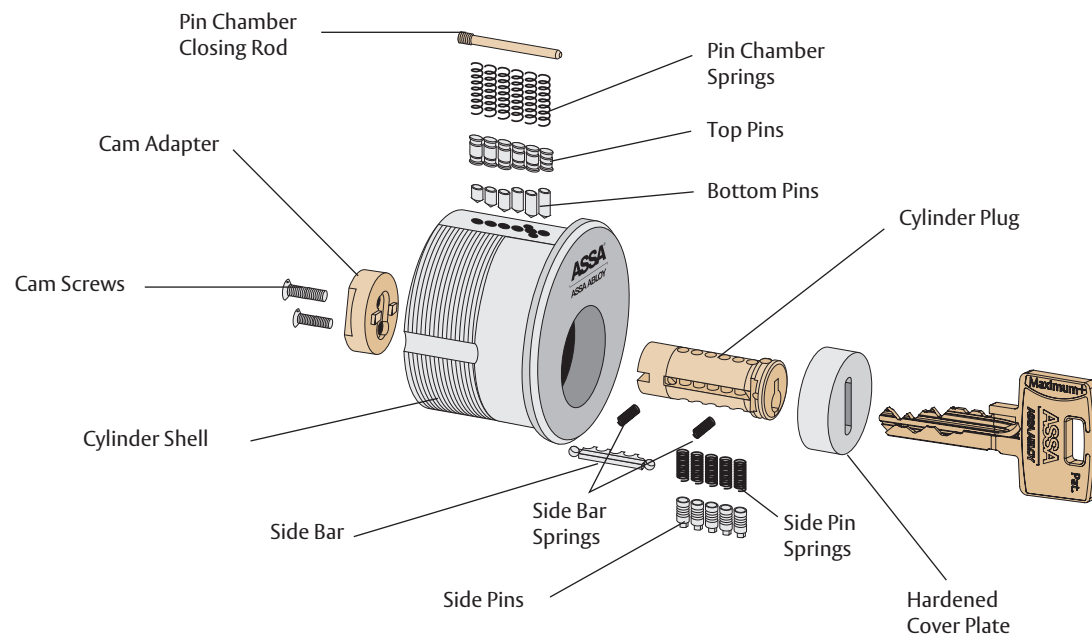


High Security Mogul Cylinders Exploded View

1-1/8" Mogul Cylinder



1-1/2" Mogul Cylinder

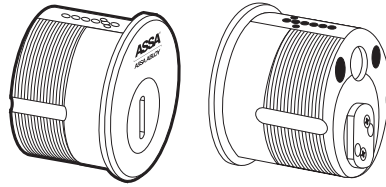




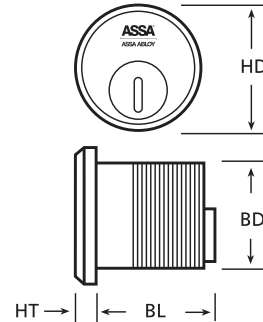
High Security Mogul Cylinders



1-1/8" Mogul Cylinder
AirTeq/Norment,
R.R. Brink



1-1/2" Mogul Cylinder
Southern Steel, Folger Adam,
AirTeq/Norment



Mogul Cylinder Key:

HD – Head Diameter

HT – Head Thickness

BL – Body Length
(Includes Cam)

BD – Body Diameter

Mdl#/Cam	Notes	Size	Description	HD	HT	BL	BD	Comp	Sub	SNS
Maximum+ Mogul Cylinders										
9551-11	†	1-1/8"	AirTeq/Norment Cyl with Mogul Cam	2.245"	0.340"	1.260"	2.0"	302.85	282.85	277.85
9551-14	†	1-1/8"	AirTeq/Norment Cyl with SGT Mogul Cam		0.120"	1.590"		302.85	282.85	277.85
9551SS	†	1-1/2"	Southern Steel Cyl without Cam		0.120"	1.590"		302.85	282.85	277.85
Twin Maximum Mogul Cylinders										
M8551-11	†	1-1/8"	AirTeq/Norment Cyl with Mogul Cam	2.245"	0.340"	1.260"	2.0"	302.85	282.85	277.85
M8551-14	†	1-1/8"	AirTeq/Norment Cyl with SGT Mogul Cam		0.120"	1.590"		302.85	282.85	277.85
M8551SS	†	1-1/2"	Southern Steel Cyl without Cam		0.120"	1.590"		302.85	282.85	277.85
Twin Exclusive Mogul Cylinders										
E8551-11	†	1-1/8"	AirTeq/Norment Cyl with Mogul Cam	2.245"	0.340"	1.260"	2.0"	313.66	293.66	288.66
E8551-14	†	1-1/8"	AirTeq/Norment Cyl with SGT Mogul Cam		0.120"	1.590"		313.66	293.66	288.66
E8551SS	†	1-1/2"	Southern Steel Cyl without Cam		0.120"	1.590"		313.66	293.66	288.66
Twin V-10 Mogul Cylinders										
V8551-11	†	1-1/8"	AirTeq/Norment Cyl with Mogul Cam	2.245"	0.340"	1.260"	2.0"	313.66	293.66	288.66
V8551-14	†	1-1/8"	AirTeq/Norment Cyl with SGT Mogul Cam		0.120"	1.590"		313.66	293.66	288.66
V8551SS	†	1-1/2"	Southern Steel Cyl without Cam		0.120"	1.590"		313.66	293.66	288.66
Twin 6000 Classic Mogul Cylinders										
8551-11	†	1-1/8"	AirTeq/Norment Cyl with Mogul Cam	2.245"	0.340"	1.260"	2.0"	313.66	293.66	288.66
8551-14	†	1-1/8"	AirTeq/Norment Cyl with SGT Mogul Cam		0.120"	1.590"		313.66	293.66	288.66
8551SS	†	1-1/2"	Southern Steel Cyl without Cam		0.120"	1.590"		313.66	293.66	288.66

No Cams offered for 1-1/2" Mogul cylinders

† Available in special function cylinders, see page 5, add \$39.31.

How To Order ASSA High Security Mogul Cylinders:

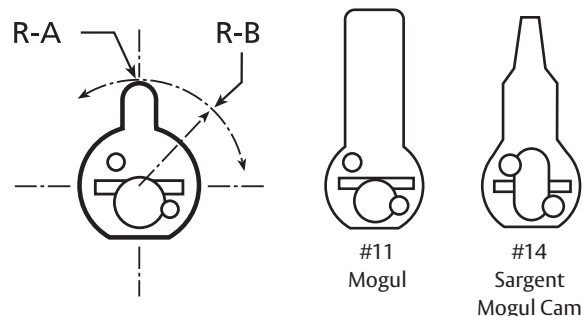
Example: Model # Cam Finish Security Form Keyway
E8551-..... 11 626 Sub 851-200

Contact Customer
Service Department for
Keyway Numbers.

Available Cams for High Security Mogul Cylinders

No Cams offered for 1-1/2" Mogul Cylinders.

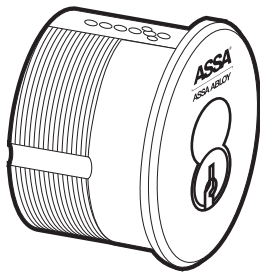
† Available in special function cylinders, see page 5.



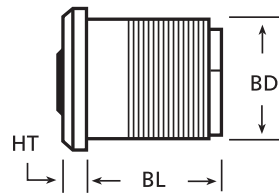
Cam #	Description	RA – Head Radius	RB – Overall Radius
#11	Mogul Cam	N/A	1.165"
#14	Sargent Mogul Cam	N/A	1.043"



High Security IC Mogul Cylinders



1-1/2" IC Mogul Cylinder



Mogul Cylinder Key:

HD – Head Diameter

HT – Head Thickness

BL – Body Length (Includes Cam)

BD – Body Diameter

Model#/Cam	Notes	Size	Description	HD	HT	BL	BD	Comp	Sub	SNS
Maximum+ Interchangeable Core Mogul Cylinders										
9551SSIC	•	1-1/2"	Southern Steel IC Cyl w/o Cam	2.245"	0.120"	1.590"	2.0"	421.82	401.82	396.82
Twin Maximum Interchangeable Core Mogul Cylinders										
M8551SSIC		1-1/2"	Southern Steel IC Cyl w/o Cam	2.245"	0.120"	1.590"	2.0"	421.82	401.82	396.82
Twin Exclusive Interchangeable Core Mogul Cylinders										
E8551SSIC	•	1-1/2"	Southern Steel IC Cyl w/o Cam	2.245"	0.120"	1.590"	2.0"	432.64	412.64	407.64
Twin V-10 Interchangeable Core Mogul Cylinders										
V8551SSIC		1-1/2"	Southern Steel IC Cyl w/o Cam	2.245"	0.120"	1.590"	2.0"	432.64	412.64	407.64
Twin 6000 Classic Interchangeable Core Mogul Cylinders										
8551SSIC	•	1-1/2"	Southern Steel IC Cyl w/o Cam	2.245"	0.120"	1.590"	2.0"	432.64	412.64	407.64
ASSA 1-1/2" Temporary Interchangeable Red Core Mogul Cylinders										
8551SSICR		1-1/2"	Southern Steel IC Cyl w/o Cam	2.245"	0.120"	1.590"	2.0"	432.64	—	—

For temporary cores refer to Red Core on page 5.

• Available in Raised Plug Face, upcharge will apply.

High Security Mogul Component Parts

Model#/Cam	Description	Price
354050	Twin Exclusive Plug for 1-1/8" Mogul Cylinder	75.71
250893	Twin Exclusive Plug for 1-1/2" Mogul Cylinder	75.71
250861	Twin V-10 Plug for 1-1/8" Mogul Cylinder	75.71
250894	Twin V-10 Plug for 1-1/2" Mogul Cylinder	75.71
360451	Twin Maximum Plug for 1-1/8" Mogul Cylinder	65.98
251126	Twin Maximum Plug for 1-1/2" Mogul Cylinder	65.98
8551SS-1AB	Mogul Security Collar	256.75
8551SS-1MB	Mogul Security Collar	255.50
8551DUM	1-1/8" Mogul Dummy Cylinder	147.91
8551SSDUM	1-1/2" Mogul Dummy Cylinder	147.91
80601*	1-1/2" Mogul IC Housing	260.12
354051*	1-1/8" Mogul Cylinder Housing	107.84
357672*	1-1/2" Mogul Cylinder Housing	111.40
354993	Cam Adapter for 1-1/2" Cylinder	23.09
809339*	Mogul Cylinder Plug Cover Plate	22.82
907035	Mogul Chamber Screw Wrench	2.11
806974	Closing Rod	1.73
812151	Cam Adapter Screws	1.13

* – Indicates Finished Components.

To order Interchangeable Cores separately – see pages 38, 39 & 40 for details.

ASSA Technical Services, Inc.
6174 State Route 88, Finleyville, PA 15332

Office: 724-909-2112
Cell/Text: 703-283-6192

Fax: 413-677-7814
Email: Sales@assatechnicalservicesinc.com



Interchangeable Core Cylinders

Designed with both security and convenience in mind, the ASSA Large Format Interchangeable core cylinder is perfect for apartment buildings, dormitories, classrooms, and other applications requiring instant rekeying capabilities. This cylinder is adaptable to a variety of large format interchangeable core applications and can be integrated into master keyed systems that use both standard and interchangeable core cylinders. Available in standard ASSA format, large format Schlage, Yale 6 pin, Sargent 6 pin, and Corbin-Russwin 6 pin formats. Only ASSA format High Security Interchangeable core cylinders are listed under U.L. 437.



Benefits:

- Easily rekeyed openings in the field
- Can be used in master key system with standard locks
- Available in multiple manufacturers' formats
- Drill resistant cylinder housing and plug
- Case-hardened steel inserts and stainless steel pins
- Two independent locking mechanisms to ensure security and optimum pick resistance
- Inactive "false" gates in side pins designed to increase pick resistance
- Counter mill in each chamber position to further enhance pick resistance

Technical Information:

- Available for 1-1/4" and 1-3/4" mortise and rim cylinders
- Build-up pins in first four positions operate control feature
- Cylinder housing and interchangeable core are made of high quality brass
- Stainless steel top pins
- Bottom pins and master pins are nickel silver

Warranty:

- ASSA warrants its cylinders against defective workmanship or wear resulting from defects for one year

Certification:

- Only ASSA format High Security Interchangeable core cylinders are listed under U.L. 437

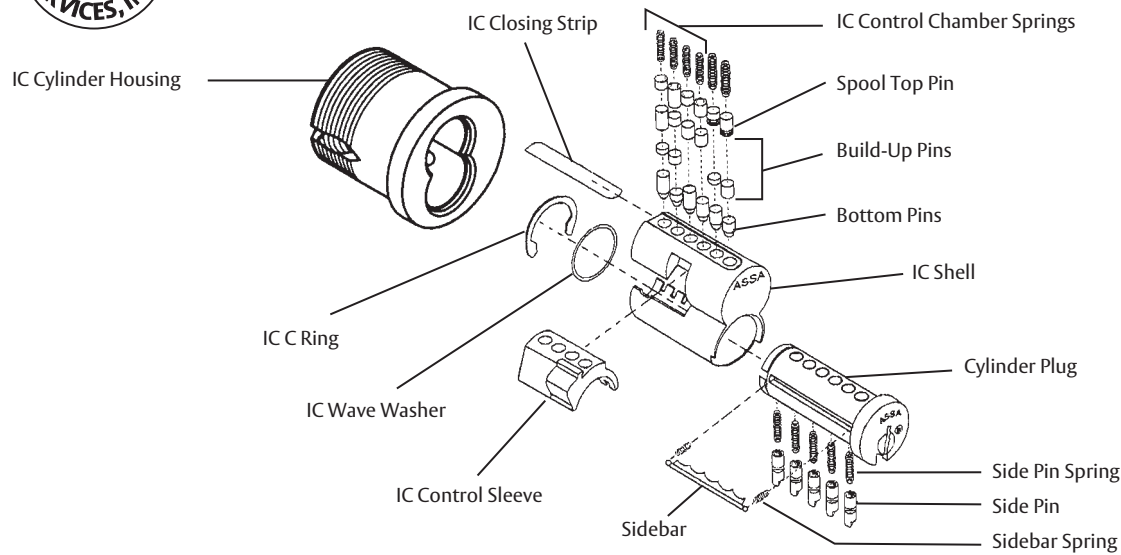
Finishes IC Mortise Cylinder Housings Only:

BHMA Symbol	U.S. Symbol	Description
625	US 26	Bright Chrome
626	US 26D	Satin Chrome
605	US 3	Bright Brass
606	US 4	Satin Brass
612	US 10	Satin Bronze
624	US 10B	Dark Oxidized Bronze

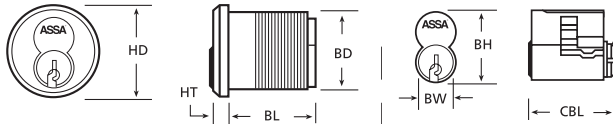
Note: Plug and IC Shells available in 626 and 606 finishes only.



Mortise and Rim IC Cylinders Exploded View



Mortise and Rim IC Cylinders



Mortise Cylinder Key:

HD – Head Diameter
HT – Head Thickness
BL – Body Length
(Includes Cam)

BD – Body Diameter
BH – Body Height
BL – IC Core Body Length
R – Retainer
BW – Body Width

Cam or Model#	Tailpiece	Notes	Description	HD	HT	BL	BD	BH	BW	CBL	R	Comp	Sub	SNS
Maximum+ Mortise and Rim IC Cylinders														
9852IC	Cam		1-1/4" IC Mortise Cylinder	1.366"								236.87	216.87	211.87
9852IC	H, V or L		1-1/4" IC Rim Cylinder		0.175"	1.25"	1.157"	1.055"	0.655"	1.247"	0.036"	245.52	225.52	220.52
7951IC	Cam		1-1/4" Corbin Jumbo IC Mortise Cyl	1.643"								415.33	395.33	390.33
7951IC	H, V or L		1-1/4" Corbin Jumbo IC Rim Cyl									427.23	407.23	402.23
Interchangeable Cores Only														
98600IC		•	ASSA IC 6 Pin Core Only					1.055"	0.655"	1.247"		142.77	122.77	117.77
99060IC		†	Sargent IC 6 Pin Core Only					N/A	N/A	1.247"		142.77	122.77	117.77
91060IC			Schlage IC 6 Pin Core Only	N/A	N/A	N/A	N/A	1.045"	0.628"	1.450"	0.036"	142.77	122.77	117.77
98060IC			Yale Style IC 6 Pin Core Only					1.045"	0.671"	1.415"		142.77	122.77	117.77
95060IC		▲	Corbin Russwin Style IC 6 Pin Core Only					N/A	N/A	N/A	N/A	175.22	155.22	150.22
Maximum+ Restricted Mortise and Rim IC Cylinders														
R2852IC	Cam		1-1/4" IC Mortise Cylinder	1.366"	0.175"	1.25"	1.157"	1.055"	0.655"	1.247"	0.036"	166.57	146.57	—
R2852IC	H, V or L		1-1/4" IC Rim Cylinder									181.71	161.71	—
Interchangeable Cores Only														
R28600IC			ASSA IC 6 Pin Core Only					1.055"	0.655"	1.247"		112.49	92.49	—
R28060IC			Yale Style IC 6 Pin Core Only	N/A	N/A	N/A	N/A	1.045"	0.671"	1.415"	0.036"	106.00	86.00	—
R21060IC			Schlage Style IC 6 Pin Core Only					1.045"	0.628"	1.450"		106.00	86.00	—

New Product

ASSA SFIC	Comp	Sub	SNS
R28600SFIC-XXX-0B7-ASSA SFIC (6 Pin Only)	70.30	—	56.78
R28601SFIC-XXX-0B7-ASSA SFIC (6 Pin Only) – Less ASSA Logo	70.30	—	56.78

Notes: For temporary cores refer to Red Core on page 5.

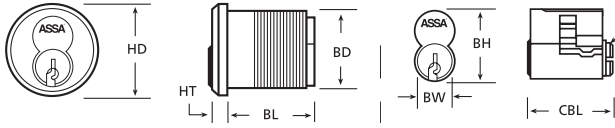
† This cylinder requires part # SGTRCTOOL for mortise and rim cylinders. See Page 85.

▲ This cylinder requires part # CRRCTOOL for mortise and rim cylinders. See Page 85.

• Available in Raised Plug Face, upcharge will apply.



Mortise and Rim IC Cylinders



Mortise Cylinder Key:

HD – Head Diameter
HT – Head Thickness
BL – Body Length
(Includes Cam)

BD – Body Diameter CBL – IC Core Body Length
BH – Body Height R – Retainer
BW – Body Width

Model#	Cam or Tailpiece	Notes	Description	HD	HT	BL	BD	BH	BW	CBL	R	Comp	Sub	SNS
Twin Maximum Mortise and Rim IC Cylinders														
8852IC	Cam		1-1/4" IC Mortise Cylinder	1.366"	0.175"	1.25"	1.157"	1.055"	0.655"	1.247"	0.036"	236.87	216.87	211.87
8852IC	H, V or L		1-1/4" IC Rim Cylinder									245.52	225.52	220.52
7851IC	Cam		1-1/4" Corbin Jumbo IC Mortise Cyl	1.643"								415.33	395.33	390.33
7851IC	H, V or L		1-1/4" Corbin Jumbo IC Rim Cyl									427.23	407.23	402.23
Interchangeable Cores Only														
88600IC			ASSA IC 6 Pin Core Only	N/A	N/A	N/A	N/A	1.055"	0.655"	1.247"	0.036"	142.77	122.77	117.77
89060IC		† 	Sargent IC 6 Pin Core Only					N/A	142.77	122.77		117.77		
81060IC			Schlage IC 6 Pin Core Only					N/A	142.77	122.77		117.77		
88060IC			Yale Style IC 6 Pin Core Only					N/A	142.77	122.77		117.77		
85060IC		▲	Corbin Russwin Style IC 6 Pin Core Only					N/A	175.22	155.22		150.22		
Twin Exclusive Mortise and Rim IC Cylinders														
E6552IC	Cam		1-1/4" IC Mortise Cylinder	1.366"	0.175"	1.25"	1.157"	1.055"	0.655"	1.247"	0.036"	292.03	272.03	267.03
E6552IC	H, V or L		1-1/4" IC Rim Cylinder									301.77	281.77	276.77
E7551IC	Cam		1-1/4" Corbin Jumbo IC Mortise Cyl									487.80	467.80	462.80
E7551IC	H, V or L		1-1/4" Corbin Jumbo IC Rim Cyl									501.86	481.86	476.86
Interchangeable Cores Only														
E70600IC			ASSA IC 6 Pin Core Only	N/A	N/A	N/A	N/A	1.055"	0.655"	1.247"	0.036"	170.89	150.89	145.89
E90600IC		†	Sargent IC 6 Pin Core Only					N/A	170.89	150.89		145.89		
E10600IC			Schlage IC 6 Pin Core Only					N/A	170.89	150.89		145.89		
E80600IC			Yale Style IC 6 Pin Core Only					N/A	170.89	150.89		145.89		

Notes: For temporary cores refer to Red Core on page 5.

† This cylinder requires part # SGTRCTOOL for mortise cylinders. See Page 85.

▲ This cylinder part # CRRCTOOL for mortise cylinders. See Page 85.

– Twin Maximum available with either CLIQ™ Remote or CLIQ™ Technology, add \$556.92.
Example: 8852IC-1 x **CLIQ** x 626 x Sidebar x Comp.

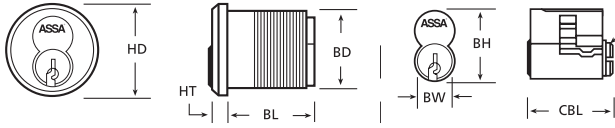
How To Order ASSA Mortise and Rim IC Cylinders:

Example:	Model #	Cam #	Finish	Security Form	Keyway
	9852IC-	1 (Cams 1-6 no extra charge)	626	Sub	0A7-200
		(Cams 7-15 add \$5.00 to price of cylinder)			Contact Cu

Contact Customer Service Department for Keyway Numbers.



Mortise and Rim IC Cylinders



Mortise Cylinder Key:

HD – Head Diameter
HT – Head Thickness
BL – Body Length
(Includes Cam)

BD – Body Diameter CBL – IC Core Body Length
BH – Body Height R – Retainer
BW – Body Width

Model#	Cam or Tailpiece (Specify)	Notes	Description	HD	HT	BL	BD	BH	BW	CBL	R	Comp	Sub	SNS			
Twin 6000 Classic Mortise and Rim IC Cylinders																	
6552IC	Cam		1-1/4" IC Mortise Cylinder	1.366"	0.175"	1.25"	1.157"	1.055"	0.655"	1.247"	0.036"	292.03	272.03	267.03			
6552IC	H, V or L		1-1/4" IC Rim Cylinder									301.77	281.77	276.77			
7551IC	Cam		1-1/4" Corbin Jumbo IC Mortise Cyl									487.80	467.80	462.80			
7551IC	H, V or L		1-1/4" Corbin Jumbo IC Rim Cyl									501.86	481.86	476.86			
Interchangeable Cores Only																	
70600IC		•	ASSA IC 6 Pin Core Only	N/A	N/A	N/A	N/A	1.055"	0.655"	1.247"	0.036"	170.89	150.89	145.89			
80600IC			Yale Style IC 6 Pin Core Only					1.045"	0.671"	1.415"		170.89	150.89	145.89			
Twin V-10 Mortise and Rim IC Cylinders																	
V6552IC	Cam		1-1/4" IC Mortise Cylinder	1.366"	0.175"	1.25"	1.157"	1.055"	0.655"	1.247"	0.036"	292.03	272.03	267.03			
V6552IC	H, V or L		1-1/4" IC Rim Cylinder									301.77	281.77	276.77			
V7551IC	Cam		1-1/4" Corbin Jumbo IC Mortise Cyl									487.80	467.80	462.80			
V7551IC	H, V or L		1-1/4" Corbin Jumbo IC Rim Cyl									501.86	481.86	476.86			
Interchangeable Cores Only																	
V70600IC			ASSA IC 6 Pin Core Only	N/A	N/A	N/A	N/A	1.055"	0.655"	1.247"	0.036"	170.89	150.89	145.89			
V90600IC		†	Sargent IC 6 Pin Core Only					N/A	N/A	N/A		1.045"	0.628"	1.450"	170.89	150.89	145.89
V10600IC			Schlage IC 6 Pin Core Only												170.89	150.89	145.89
V80600IC			Yale Style IC 6 Pin Core Only												170.89	150.89	145.89
Twin Pro Mortise and Rim IC Cylinders																	
6152IC	Cam		1-1/4" IC Mortise Cylinder	1.366"	0.175"	1.25"	1.157"	1.055"	0.655"	1.247"	0.036"	292.03	272.03	267.03			
6152IC	H, V or L		1-1/4" IC Rim Cylinder									301.77	281.77	276.77			
7152IC	Cam		1-1/4" Corbin Jumbo IC Mortise Cyl									487.80	467.80	462.80			
7152IC	H, V or L		1-1/4" Corbin Jumbo IC Rim Cyl									501.86	481.86	476.86			
Interchangeable Cores Only																	
61600IC			ASSA IC 6 Pin Core Only	N/A	N/A	N/A	N/A	1.055"	0.655"	1.247"	0.036"	170.89	150.89	145.89			
69060IC		†	Sargent IC 6 Pin Core Only					N/A	N/A	N/A		1.045"	0.655"	1.247"	170.89	150.89	145.89
61060IC			Schlage IC 6 Pin Core Only												170.89	150.89	145.89
68060IC			Yale Style IC 6 Pin Core Only												170.89	150.89	145.89
1-1/4" Temporary Interchangeable Red Core Mortise/Rim Cylinder																	
6552ICR	Cam	*	1-1/4" IC Mortise Cylinder	1.366"	0.175"	1.25"	1.157"	-	-	-	-	264.99	—	—			
6552ICR	H, V or L	*	1-1/4" IC Rim Cylinder	1.366"	0.175"	1.25"	1.157"					271.49	—	—			
70600ICR			Temp. Const. Core (Red Core)	1.055"	0.655"	1.247"	0.036"					160.08	—	—			
Interchangeable Core Housings Price																	
60601	Cam	*	IC Housing	1.366"	0.175"	1.25"	1.157"	-	-	-	-	89.23					
60601	H, V or L	*	IC Housing	1.366"	0.175"	1.25"	1.157"					96.80					
60606	Cam	*	1-3/4" IC Housing	1.366"	0.175"	1.75"	1.157"					244.44					
80601		*	1-1/2" Mogul IC Housing	2.245"	0.120"	1.590"	2.0"					260.12					

For temporary cores refer to Red Core on page 5.

† This cylinder requires Sargent tailpiece kit part # 867454 for cylindrical locks or part # SGTRCTOOL for mortise cylinders. See Pages 84 & 85.

* – Indicates Finished Components.

- Available in Raised Plug Face, upcharge will apply.

How To Order ASSA Mortise and Rim IC Cylinders:

Example:	Model #	Cam #	Finish	Security Form	Keyway
	9852IC-.....	1 (Cams 1-6 no extra charge)	626.....	Sub	0A7-200
		(Cams 7-15 add \$5.00 to price of cylinder)			Contact Customer Service Dept. for Keyway Numbers

Contact Customer Service Department
for Keyway Numbers.

ASSA Technical Services, Inc.
6174 State Route 88, Finleyville, PA 15332

Office: 724-909-2112
Cell/Text: 703-283-6192

Fax: 413-677-7814
Email: Sales@assatechnicalservicesinc.com



Key-in-Knob/Lever Cylinders

ASSA Key in Knob/Key in Lever cylinders are designed to replace many original manufacturers' cylinders in their locksets including Arrow, Corbin/Russwin, Falcon, Sargent, Schlage, Yale and many other manufacturers thus offering the highest level of security available on the market today.



Benefits:

- Two independent locking mechanisms to ensure security and optimum pick resistance
- Inactive "false" gates in side pins designed to increase pick resistance
- Counter mill in each chamber position to further enhance pick resistance
- Extremely close tolerances
- Can be easily rekeyed in the field
- Patented key control

Warranty:

- ASSA warrants its cylinders against defective workmanship or wear resulting from defects for one year

Certification:

- All ASSA Key-in-Knob/Lever cylinders are U.L. 437 listed

Technical Information:

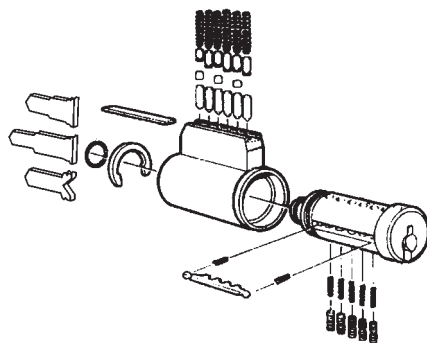
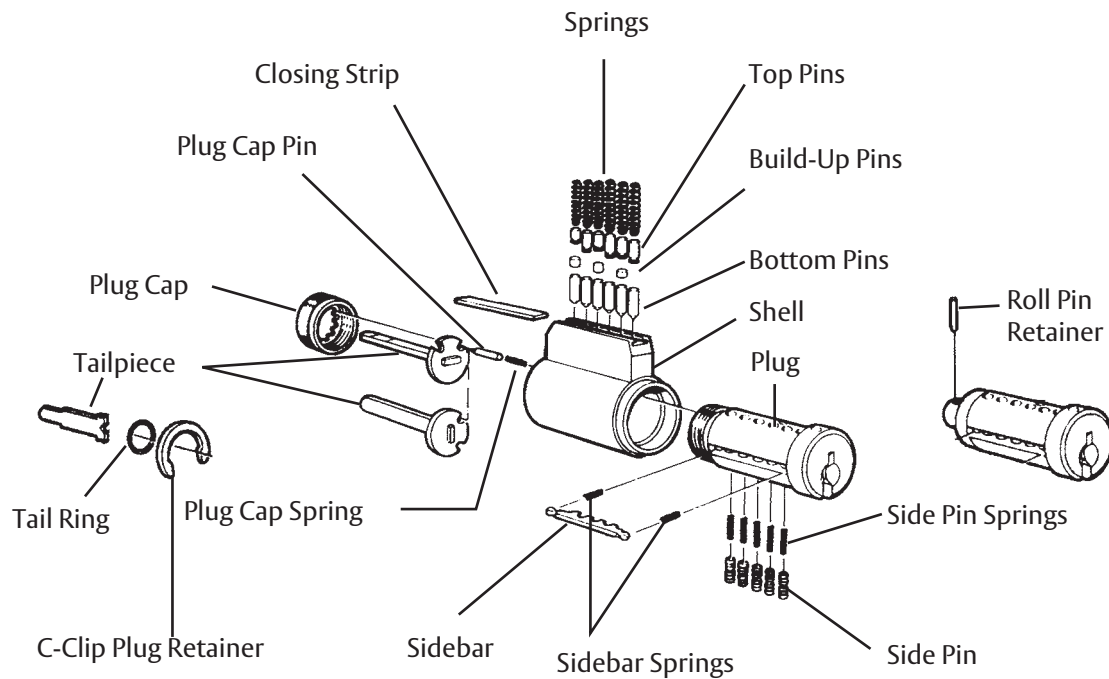
- Available in 15 different retrofit assemblies
- Cylinder shell and plug made of high quality brass
- Stainless steel top pins
- Bottom pins and master pins are nickel silver

Finishes:

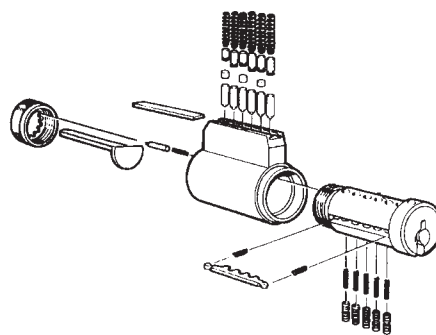
BHMA Symbol	U.S. Symbol	Description
626	US 26D	Satin Chrome
606	US 4	Satin Brass



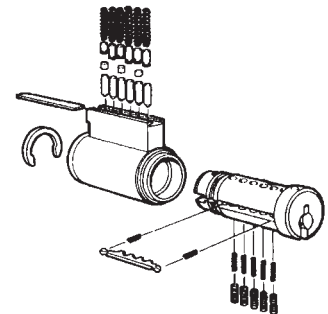
Key-in-Knob/Levers Cylinders Exploded View



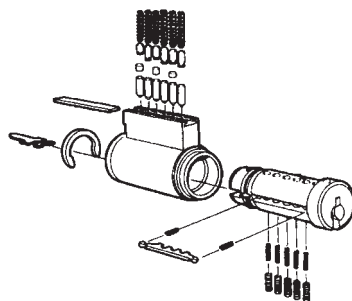
XX691 – Arrow



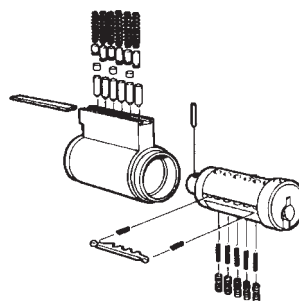
XX692 – Arrow



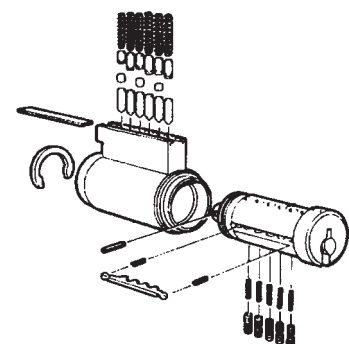
XX651 – Corbin/Russwin



XX652 – Corbin/Russwin



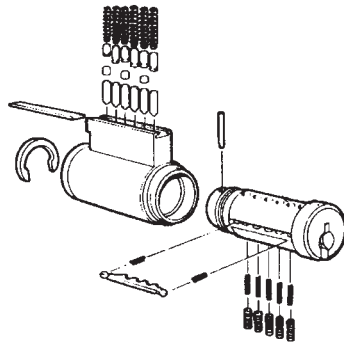
XX653 – Corbin/Russwin



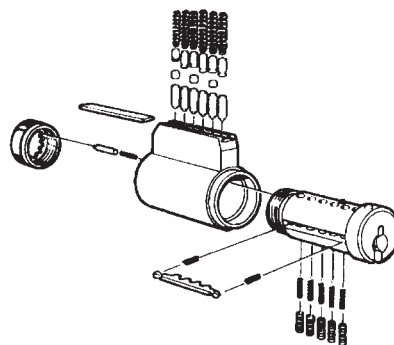
XX654 – Corbin/Russwin



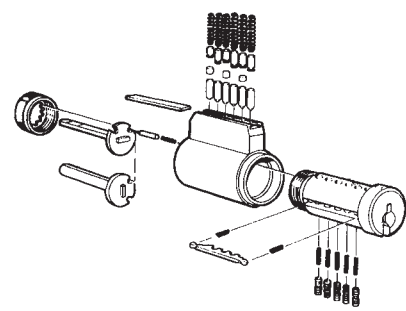
Key-in-Knob/Levers Cylinders Exploded View



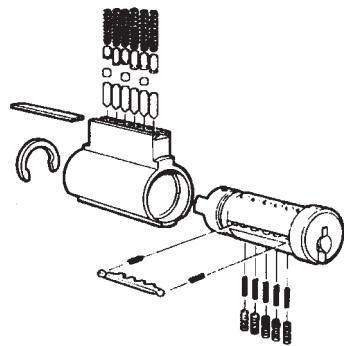
XX655 – Corbin/Ruswin



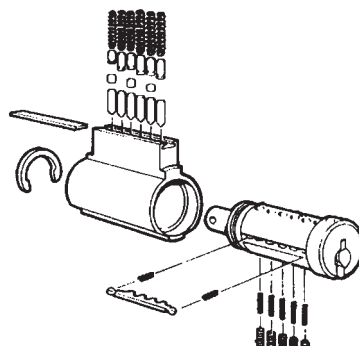
XX661 – Falcon



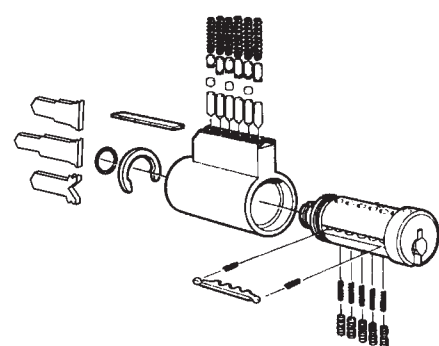
XX611 – Schlage



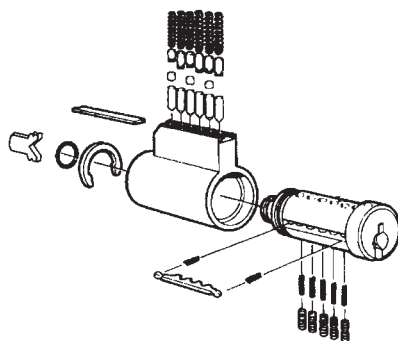
XX671 – Sargent



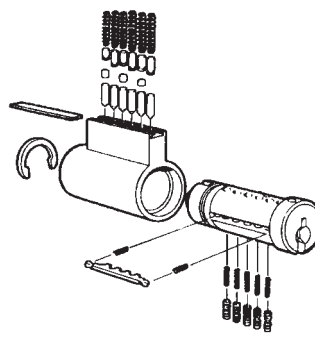
XX672 – Sargent



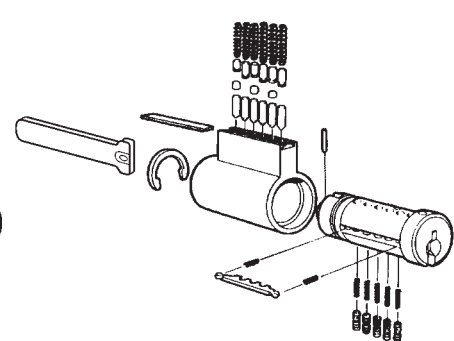
XX673 – Sargent



XX673-TZ – Sargent



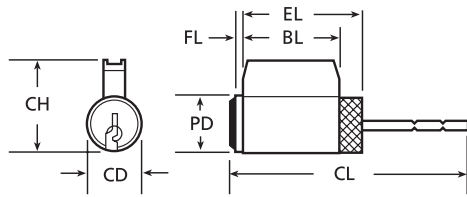
XX631 – Yale



XX632 – Yale



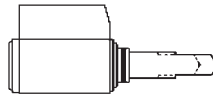
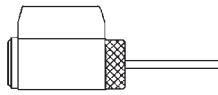
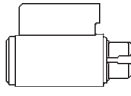
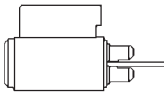
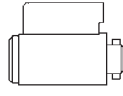
Key-in-Knob/Levers Cylinders



Key-in-Knob/Lever Key:

BL – Bible Length
 CD – Cylinder Diameter
 CH – Cylinder Height
 CL – Cylinder Length

EL – Effective Length
 FL – Front Length
 PD – Plug Face Diameter

Make	Model #	Comp	Sub	SNS	Description	BL	CD	CH	CL	EL	FL	PD	
Arrow													
Maximum+	98691	135.20	115.20	110.20		1.022	0.634	1.020	2.000 2.315	2.040	1.268	0.070	0.560
Maximum+ Restricted	R28691	51.92	31.92	—									
Twin Maximum 	88691	135.20	115.20	110.20									
Twin Exclusive	E65691	150.34	129.34	124.34									
Twin 6000 Classic	65691	150.34	129.34	124.34									
Twin V-10	V65691	150.34	129.34	124.34									
Twin Pro	61691	150.34	129.34	124.34									
Twin Low	L6691	130.87	110.87	—									
600 Classic	6691	130.87	110.87	—	Standard and heavy-duty, 3 tailpiece included for Arrow C, H, L, M, Q, S & W Series Key-in-Knob & Key-in-Lever styles								
Arrow													
Maximum+	98692	135.20	115.20	110.20		1.022	0.634	1.020	3.465	1.352	0.000	0.560	
Twin Maximum 	88692	135.20	115.20	110.20									
Twin Exclusive	E65692	150.34	129.34	124.34									
Twin 6000 Classic	65692	150.34	129.34	124.34									
Twin V-10	V65692	150.34	129.34	124.34									
Twin Pro	61692	150.34	129.34	124.34									
Twin Low	L6692	130.87	110.87	—									
600 Classic	6692	130.87	110.87	—									
Corbin/Russwin													
Maximum+	98651	135.20	115.20	110.20		1.038	0.677	1.071	N/A	1.453	0.135	0.560	
Maximum+ Restricted	R28651	51.92	31.92	—									
Twin Maximum 	88651	135.20	115.20	110.20									
Twin Exclusive	E65651	150.34	129.34	124.34									
Twin 6000 Classic	65651	150.34	129.34	124.34									
Twin V-10	V65651	150.34	129.34	124.34									
Twin Pro	61651	150.34	129.34	124.34									
Twin Low	L6651	130.87	110.87	—									
600 Classic	6651	130.87	110.87	—	Heavy-duty, new style (Not 3400, 3600, 3800 series) Use for CK4200, & UT5200								
Corbin/Russwin													
Maximum+	98652	135.20	115.20	110.20		1.038	0.677	1.071	2.165	1.453	0.135	0.560	
Maximum+ Restricted	R28652	51.92	31.92	—									
Twin Maximum 	88652	135.20	115.20	110.20									
Twin Exclusive	E65652	150.34	129.34	124.34									
Twin 6000 Classic	65652	150.34	129.34	124.34									
Twin V-10	V65652	150.34	129.34	124.34									
Twin Pro	61652	150.34	129.34	124.34									
Twin Low	L6652	130.87	110.87	—									
600 Classic	6652	130.87	110.87	—	Standard-duty, new style tailpiece included. For CK4300, 5600, & B2, G2, G3 exit trim								
Corbin/Russwin													
Maximum+	98653	167.65	147.65	142.65		1.038	0.677	1.071	N/A	1.275	0.135	0.560	
Twin Maximum 	88653	178.46	158.46	153.46									
Twin Exclusive	E65653	187.12	167.12	162.12									
Twin 6000 Classic	65653	187.12	167.12	162.12									
Twin V-10	V65653	187.12	167.12	162.12									
Twin Pro	61653	187.12	167.12	162.12									
Twin Low	L6653	130.87	110.87	—									
600 Classic	6653	130.87	110.87	—									

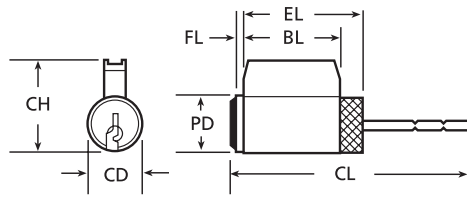
How To Order ASSA Key-in-Knob/Lever Cylinders:

Example: **Model #** **Finish** **Security Form** **Keyway** *Contact Customer Service Department for Keyway Numbers.*
 98611-..... 626 Sub 0A7-200

 – Twin Maximum available with either CLIQ™ Remote or CLIQ™ Technology, add \$556.92. Example: 88611 x CLIQ x 626 x Sidebar x Comp



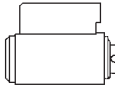
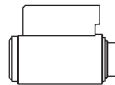
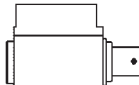
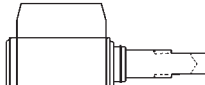
Key-in-Knob/Levers Cylinders



Key-in-Knob/Lever Key:

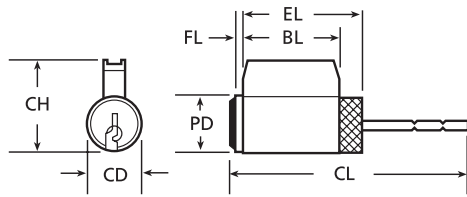
BL – Bible Length
 CD – Cylinder Diameter
 CH – Cylinder Height
 CL – Cylinder Length

EL – Effective Length
 FL – Front Length
 PD – Plug Face Diameter

Make	Model #	Comp	Sub	SNS	Description	BL	CD	CH	CL	EL	FL	PD
Corbin/Russwin												
Maximum+	98654	167.65	147.65	142.65								
Twin Maximum 	88654	178.46	158.46	153.46								
Twin Exclusive	E65654	187.12	167.12	162.12								
Twin 6000 Classic	65654	187.12	167.12	162.12		1.038	0.677	1.071	N/A	1.299	0.135	0.560
Twin V-10	V65654	187.12	167.12	162.12								
Twin Pro	61654	187.12	167.12	162.12								
Twin Low	L6654	130.87	110.87	—								
600 Classic	6654	130.87	110.87	—	Russwin cylinder 25F26, 25F56, 24F15, 67F69, 55F76							
Corbin/Russwin												
Maximum+	98655	167.65	147.65	142.65								
Twin Maximum 	88655	178.46	158.46	153.46								
Twin Exclusive	E65655	187.12	167.12	162.12								
Twin 6000 Classic	65655	187.12	167.12	162.12		1.038	0.677	1.071	N/A	1.305	0.135	0.560
Twin V-10	V65655	187.12	167.12	162.12								
Twin Pro	61655	187.12	167.12	162.12								
Twin Low	L6655	130.87	110.87	—								
600 Classic	6655	130.87	110.87	—	Russwin cylinder 25F65							
Falcon												
Twin Exclusive	E65661	187.12	167.12	162.12								
Twin 6000 Classic	65661	187.12	167.12	162.12		1.022	0.634	1.020	N/A	1.325	0.071	0.560
Twin V-10	V65661	187.12	167.12	162.12								
Twin Low	L6661	130.87	110.87	—								
600 Classic	6661	130.87	110.87	—								
					S & X Series, Use original manufacturer cap and tailpiece							
Sargent												
Maximum+	98671	167.65	147.65	142.65								
Twin Maximum 	88671	178.46	158.46	153.46								
Twin Exclusive	E65671	187.12	167.12	162.12								
Twin 6000 Classic	65671	187.12	167.12	162.12		1.025	0.677	1.071	N/A	1.447	0.000	0.560
Twin V-10	V65671	187.12	167.12	162.12								
Twin Pro	61671	187.12	167.12	162.12								
Twin Low	L6671	130.87	110.87	—								
600 Classic	6671	130.87	110.87	—	Integra							
Sargent												
Maximum+	98672	135.20	115.20	110.20								
Maximum+ Restricted	R28672	51.92	31.92	—								
Twin Maximum 	88672	135.20	115.20	110.20								
Twin Exclusive	E65672	150.34	129.34	124.34		1.010	0.677	1.071	N/A	1.663	0.020	0.560
Twin 6000 Classic	65672	150.34	129.34	124.34								
Twin V-10	V65672	150.34	129.34	124.34								
Twin Pro	61672	150.34	129.34	124.34								
Twin Low	L6672	130.87	110.87	—								
600 Classic	6672	130.87	110.87	—	Heavy-duty 7, 8, 9 lines KIK							
Sargent												
Maximum+	98673	135.20	115.20	110.20								
Maximum+ Restricted	R28673	51.92	31.92	—								
Twin Maximum 	88673	135.20	115.20	110.20								
Twin Exclusive	E65673	150.34	129.34	124.34								
Twin 6000 Classic	65673	150.34	129.34	124.34		0.990	0.634	1.020	2.000 2.040	1.235	0.000	0.560
Twin V-10	V65673	150.34	129.34	124.34					2.315			
Twin Pro	61673	150.34	129.34	124.34								
Twin Low	L6673	130.87	110.87	—								
600 Classic	6673	130.87	110.87	—	Standard duty 3 tailpieces included 6 Line KIK, 7 Line KIL, 10 Line KIL							



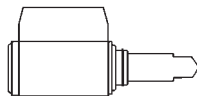
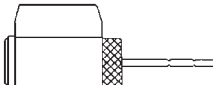
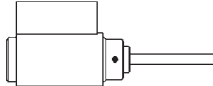
Key-in-Knob/Levers Cylinders



Key-in-Knob/Lever Key:

BL – Bible Length
 CD – Cylinder Diameter
 CH – Cylinder Height
 CL – Cylinder Length

EL – Effective Length
 FL – Front Length
 PD – Plug Face Diameter

Make	Model #	Comp	Sub	SNS	Description	BL	CD	CH	CL	EL	FL	PD
Sargent T-Zone												
Maximum+	98673-TZ	135.20	115.20	110.20		0.990	0.634	1.020	1.720	1.235	0.000	0.560
Maximum+ Restricted	R28673-TZ	51.92	31.92	—								
Twin Maximum 	88673-TZ	135.20	115.20	110.20								
Twin Exclusive	E65673-TZ	150.34	129.34	124.34								
Twin 6000 Classic	65673-TZ	150.34	129.34	124.34								
Twin V-10	V65673-TZ	150.34	129.34	124.34								
Twin Pro	61673-TZ	150.34	129.34	124.34								
Twin Low	L6673-TZ	130.87	110.87	—								
600 Classic	6673-TZ	130.87	110.87	—	T-Zone 11 Line KIL							
Schlage												
Maximum+	98611	135.20	115.20	110.20		1.023	0.634	1.020	2.465	1.250	0.071	0.560
Maximum+ Restricted	R28611	51.92	31.92	—								
Twin Maximum 	88611	135.20	115.20	110.20								
Twin Exclusive	E65611	150.34	129.34	124.34								
Twin 6000 Classic	65611	150.34	129.34	124.34								
Twin V-10	V65611	150.34	129.34	124.34								
Twin Pro	61611	150.34	129.34	124.34								
Twin Low	L6611	130.87	110.87	—								
600 Classic	6611	130.87	110.87	—	Schlage 6 pin KIK, KIL, and Deadbolts. Also for most standard and heavy-duty locks that use a "Schlage style" cylinder. Accepts most OEM tailpieces.							
Yale												
Maximum+	98631	135.20	115.20	110.20		1.000	0.677	1.071	N/A	1.429	0.000	0.560
Maximum+ Restricted	R28631	51.92	31.92	—								
Twin Maximum 	88631	135.20	115.20	110.20								
Twin Exclusive	E65631	150.34	129.34	124.34								
Twin 6000 Classic	65631	150.34	129.34	124.34								
Twin V-10	V65631	150.34	129.34	124.34								
Twin Pro	61631	150.34	129.34	124.34								
Twin Low	L6631	130.87	110.87	—								
600 Classic	6631	130.87	110.87	—	Standard and heavy-duty knob							
Yale												
Maximum+	98632	135.20	115.20	110.20		1.000	0.677	1.071	2.975	1.429	0.000	0.560
Maximum+ Restricted	R28632	51.92	31.92	—								
Twin Maximum 	88632	135.20	112.20	110.20								
Twin Exclusive	E65632	150.34	129.34	124.34								
Twin 6000 Classic	65632	150.34	129.34	124.34								
Twin V-10	V65632	150.34	129.34	124.34								
Twin Pro	61632	150.34	129.34	124.34								
Twin Low	L6632	130.87	110.87	—								
600 Classic	6632	130.87	110.87	—	Key-In-Lever style							

How To Order ASSA Key-in-Knob/Lever Cylinders:

Example: **Model #** **Finish** **Security Form** **Keyway** *Contact Customer Service Department for Keyway Numbers.*
 98672- 626 Sub 0A7-200

 – Twin Maximum available with either CLIQ™ Remote or CLIQ™ Technology, add \$556.92. Example: 88673 x  x 626 x Sidebar x Comp



Key-in-Knob/Key-in-Lever Component Parts

Maximum+ / Twin Maximum / Twin Pro

Model#	Notes	Description	Price
868056		Schlage Cylinder Shell	59.49
868057		Yale Cylinder Shell	59.49
367156		Russwin/Corbin Cylinder Shell	59.49
868060		Sargent Integra Cylinder Shell	59.49
868061		Sargent Heavy-duty Cylinder Shell	59.49
367159		Sargent Standard-duty Cylinder Shell	59.49
250619		Arrow Cylinder Shell	59.49
907203		Arrow Deadbolt/Weiser KIK Shell	59.49
356982	*†	Schlage Cylinder Plug	64.90
356983	*†	Yale Cylinder Plug – (Must specify KIK or KIL)	62.73
356988	*†	Sargent Integra Cylinder Plug	62.73
356989	*†	Sargent Heavy-Duty 7, 8, 9 Cylinder Plug	62.73
356990	*†	Arrow/Sargent 6-line Cylinder Plug	62.73
356984	*†	Russwin/Corbin std. & Heavy-Duty Cylinder Plug	62.73
356985	*†	Russwin/Corbin 19F35 Cylinder Plug	62.73
356986	*†	Corbin 25F26 Cylinder Plug	62.73
356987	*†	Russwin/Corbin 25F65 Cylinder Plug	62.73
92C-114		Arrow Deadbolt Cap	4.33
92C-127		Schlage KIK Plug Cap Spring	1.52
868960		Schlage KIK Plug Cap Pin	1.46
92C-121		Arrow Deadbolt Washer	1.52
92C-123		Arrow Deadbolt Blocking Piece	3.24
D61-44		Arrow Deadbolt Long Tailpiece (Single Cylinder)	4.33
D62-44		Arrow Deadbolt Short Tailpiece (Double Cylinder)	3.24

* - Indicates Finished Components

† – Specify Profile 0A7, 0M7.

Twin V-10

Model#	Notes	Description	Price
868056		Schlage Cylinder Shell	59.49
868057		Yale Cylinder Shell	59.49
367156		Russwin/Corbin Cylinder Shell	59.49
868060		Sargent Integra Cylinder Shell	59.49
868061		Sargent Heavy-duty Cylinder Shell	59.49
367159		Sargent Standard-duty Cylinder Shell	59.49
250619		Arrow Cylinder Shell	59.49
907203		Arrow Deadbolt/Weiser KIK Shell	59.49
353978	*	Schlage Cylinder Plug	64.90
353979	*	Yale Cylinder Plug – (Must specify KIK or KIL)	62.73
353980	*	Sargent Integra Cylinder Plug	62.73
353981	*	Sargent Heavy-Duty 7, 8, 9 Cylinder Plug	62.73
353982		Falcon S & X Series/Weiser Deadbolt Plug	62.73
353983	*	Arrow/Sargent 6-line Cylinder Plug	62.73
353984	*	Russwin/Corbin std. & Heavy-Duty Cylinder Plug	62.73
353985	*	Russwin/Corbin 19F35 Cylinder Plug	62.73
353986	*	Corbin 25F26 Cylinder Plug	62.73
353787	*	Russwin/Corbin 25F65 Cylinder Plug	62.73
92C-114		Arrow Deadbolt Cap	4.33
92C-127		Schlage KIK Plug Cap Spring	1.52
868960		Schlage KIK Plug Cap Pin	1.46
92C-121		Arrow Deadbolt Washer	1.52
92C-123		Arrow Deadbolt Blocking Piece	3.24
D61-44		Arrow Deadbolt Long Tailpiece (Single Cylinder)	4.33
D62-44		Arrow Deadbolt Short Tailpiece (Double Cylinder)	3.24

* - Indicates Finished Components

Twin Exclusive / Twin 6000 Classic

Model#	Notes	Description	Price
868056		Schlage Cylinder Shell	59.49
868057		Yale Cylinder Shell	59.49
367156		Russwin/Corbin Cylinder Shell	59.49
868060		Sargent Integra Cylinder Shell	59.49
868061		Sargent Heavy-duty Cylinder Shell	59.49
367159		Sargent Standard-duty Cylinder Shell	59.49
250619		Arrow Cylinder Shell	59.49
907203		Arrow Deadbolt/Weiser KIK Shell	59.49
367068	*†	Schlage Cylinder Plug	64.90
367069	*†	Yale Cylinder Plug – (Must specify KIK or KIL)	62.73
367073	*†	Sargent Integra Cylinder Plug	62.73
367074	*†	Sargent Heavy-Duty 7, 8, 9 Cylinder Plug	62.73
868233	†	Falcon S & X Series/Weiser Deadbolt Plug	62.73
868607	*†	Arrow/Sargent 6-line Cylinder Plug	62.73
868649	*†	Russwin/Corbin std. & Heavy-Duty Cylinder Plug	62.73
868650	*†	Russwin/Corbin 19F35 Cylinder Plug	62.73
868651	*†	Corbin 25F26 Cylinder Plug	62.73
868652	*†	Russwin/Corbin 25F65 Cylinder Plug	62.73
467068	*†	Arrow Deadbolt Plug	62.73
92C-114		Arrow Deadbolt Cap	4.33
92C-127		Schlage KIK Plug Cap Spring	1.52
868960		Schlage KIK Plug Cap Pin	1.46
92C-121		Arrow Deadbolt Washer	1.52
92C-123		Arrow Deadbolt Blocking Piece	3.24
D61-44		Arrow Deadbolt Long Tailpiece (Single Cylinder)	4.33
D62-44		Arrow Deadbolt Short Tailpiece (Double Cylinder)	3.24

* - Indicates Finished Components

† – Specify Profile 51, 851.



Deadbolts

The ASSA 6000 Series deadbolt is designed to withstand any form of physical attack including drilling, prying, driving, or pulling. Its free spinning guard collars protect it from pipe wrenching while its hardened inserts guard against drilling. The 6000 comes equipped with the ASSA Hardhat™ to protect it from outside through-the-door attacks known as “ice picking.” All ASSA 6000 Series deadbolts are available with interchangeable core and feature our unique dual locking mechanism rendering them virtually pick proof.



6000 Series
is in Limited
supply and will
be replaced by
7000 Series.

Benefits:

- ASSA Hardhat™ to prevent physical attack
- Free spinning guard collars to prevent wrenching
- Available in interchangeable core
- High security solid brass cylinders
- 1/4" Aircraft strength steel mounting bolts
- Hardened bolt with full 1" throw
- Non-handed

Warranty:

- ASSA warrants its cylinders and deadbolts against defective workmanship or wear resulting from defects for one year

Certification:

- All ASSA 6000 Deadbolts are U.L. 437 Listed

Technical Information:

- Cylinder shell and plug made of high quality brass
- Stainless steel top pins
- Bottom pins and master pins are nickel silver

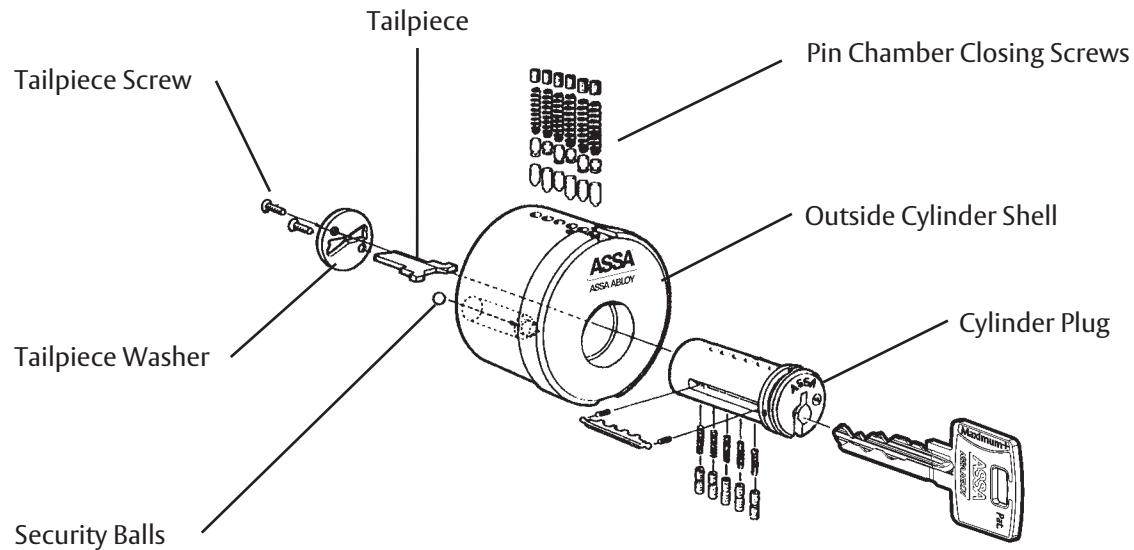
Finishes:

BHMA Symbol	U.S. Symbol	Description
625	US 26	Bright Chrome
626	US 26D	Satin Chrome
605	US 3	Bright Brass
606	US 4	Satin Brass
609	US 5	Antique Brass
612	US 10	Satin Bronze
624	US 10B	Dark Oxidized Bronze

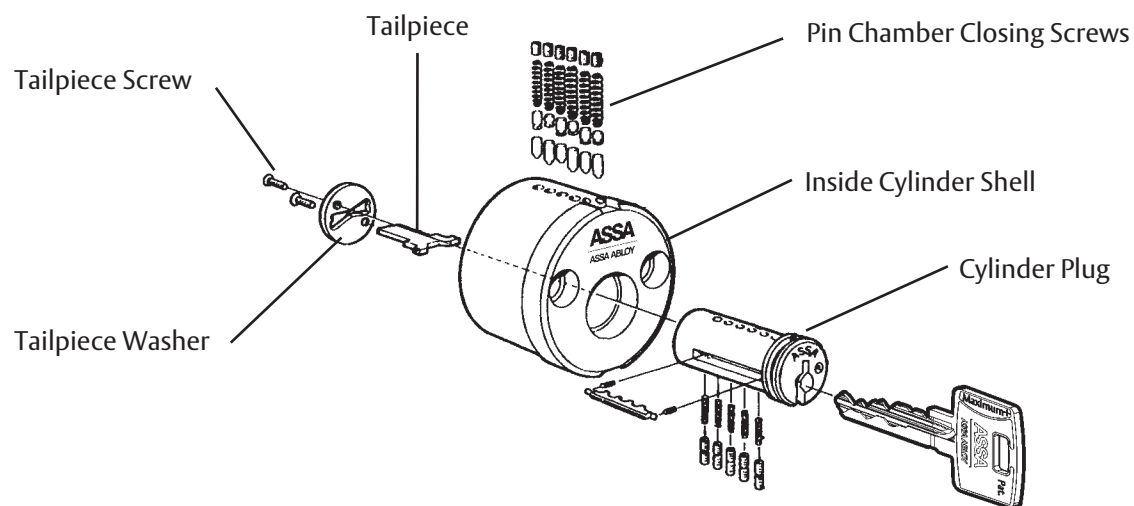


Deadbolt Cylinders

Outside Cylinder

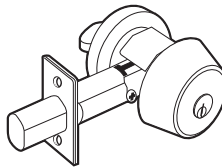


Inside Cylinder





6000 Series Deadbolt



Deadbolts

6000 Series
is in Limited
supply and will
be replaced by
7000 Series.

6000 Series Grade 1 Deadbolt Locks

Model#	Notes	Description	Comp	Sub	SNS
Maximum +					
9800		Single cylinder w/thumbturn	300.75	291.75	286.75
9800DC		Double cylinder	420.75	411.75	403.25
9800NT		Single cylinder no thumbturn	271.50	264.00	257.00
9800LB		Single cylinder less bolt	180.75	173.25	166.25
9800DCLB		Double cylinder less bolt	288.75	274.25	259.75
Twin Maximum					
8800		Single cylinder w/thumbturn	315.25	306.25	301.25
8800DC		Double cylinder	440.75	431.75	423.25
8800NT		Single cylinder no thumbturn	284.25	276.75	269.75
8800LB		Single cylinder less bolt	189.50	182.00	175.00
8800DCLB		Double cylinder less bolt	302.50	288.00	273.50
Twin Exclusive					
E6000		Single cylinder w/thumbturn	327.75	318.75	313.75
E6000DC		Double cylinder	458.50	449.50	441.00
E6000NT		Single cylinder no thumbturn	295.75	288.25	281.25
E6000LB		Single cylinder less bolt	197.00	189.50	182.50
E6000DCLB		Double cylinder less bolt	314.50	300.00	285.50
Twin 6000 Classic					
6000		Single cylinder w/thumbturn	327.75	318.75	313.75
6000DC		Double cylinder	458.50	449.50	441.00
6000NT		Single cylinder no thumbturn	295.75	288.25	281.25
6000LB		Single cylinder less bolt	197.00	189.50	182.50
6000DCLB		Double cylinder less bolt	314.50	300.00	285.50
Twin V-10					
V6000		Single cylinder w/thumbturn	327.75	318.75	313.75
V6000DC		Double cylinder	458.50	449.50	441.00
V6000NT		Single cylinder no thumbturn	295.75	288.25	281.25
V6000LB		Single cylinder less bolt	197.00	189.50	182.50
V6000DCLB		Double cylinder less bolt	314.50	299.50	291.00
Twin Pro					
6100		Single cylinder w/thumbturn	327.75	318.75	313.75
6100DC		Double cylinder	458.50	449.50	441.00
6100NT		Single cylinder no thumbturn	295.75	288.25	281.25
6100LB		Single cylinder less bolt	197.00	189.50	182.50
6100DCLB		Double cylinder less bolt	314.50	300.00	285.50

600 Series Grade 1 Deadbolt Locks

Model#	Notes	Description	Comp	Sub	SNS
600 Series Classic					
600		Single cylinder w/thumbturn	304.50	295.50	—
600DC		Double cylinder	404.50	386.50	—
600NT		Single cylinder no thumbturn	236.75	227.75	—
600LB		Single cylinder less bolt	169.75	159.75	—
600DCLB		Double cylinder less bolt	269.50	251.50	—

How To Order ASSA Deadbolts:

Example:	Model #	Finish	Backset	Bolt Type	Security Form	Keyway
	9800.....	605.....	#3 – 2-3/4" Backset	F – Face Plate	Sub.....	0A7-200
			or	or		
			#8 – 2-3/8" Backset	D – Drive-In		
					Contact Customer Service Department for Keyway Numbers	

For extra thick doors of 2" – 2-1/2", please suffix model numbers with -ET.

Example:.....9800-ET.....605.....2-3/8" backset.....F.....Sub.....0A7-200

 – Twin Maximum available with either CLIQ™ Remote or C4 CLIQ™ Technology, add \$535.50. Example: 8800 x **CLIQ** x 626 x Sidebar x Comp



Deadbolts

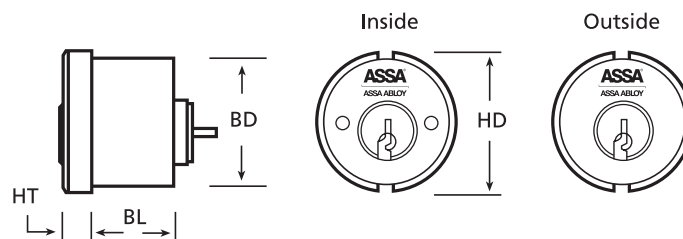
6000 Series Grade 1 Deadbolt Locks Interchangeable Core

Model#	Notes	Description	Comp	Sub	SNS
Maximum +					
9800IC		Single cylinder IC	391.25	383.75	376.75
9800DCIC		Double cylinder IC	451.00	435.25	426.25
Twin Maximum					
8800IC	CLIQ	Single cylinder IC	404.00	396.50	389.50
8800DCIC	CLIQ	Double cylinder IC	472.25	456.75	448.75
Twin Exclusive					
E6000IC		Single cylinder IC	426.25	418.75	411.75
E6000DCIC		Double cylinder IC	491.25	476.25	467.75
Twin 6000 Classic					
6000IC		Single cylinder IC	426.25	418.75	411.75
6000DCIC		Double cylinder IC	491.25	476.25	467.75
Twin V-10					
V6000IC		Single cylinder IC	426.25	418.75	411.75
V6000DCIC		Double cylinder IC	491.25	476.25	467.75
Twin Pro					
6100IC		Single cylinder IC	426.25	418.75	411.75
6100DCIC		Double cylinder IC	491.25	476.25	467.75
6000 Series Grade 1 Deadbolt Locks Interchangeable Core Less Core					
6000ICLC		Single cylinder IC (Less Core)	327.75	–	–
6000DCICLC		Double cylinder IC (Less Core)	392.75	–	–

For extra thick doors of 2" – 2-1/2", please suffix model numbers with -ET.

Example:.....9800-ET.....605.....2-3/8" backset F.....Sub.....0A7-200

CLIQ – Twin Maximum available with either CLIQ™ Remote or C4 CLIQ™ Technology, add \$535.50. Example: 8800IC x CLIQ x 626 x Sidebar x Comp

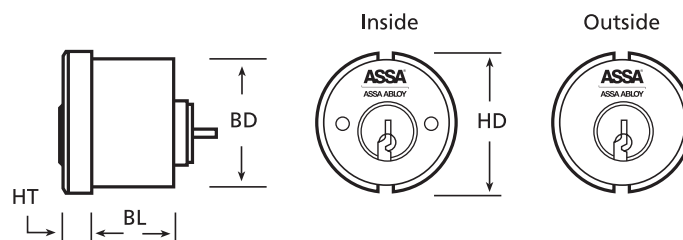


6000 Series Deadbolt Cylinders Only

Model#	Notes	Description	HT	BL	BD	HD	Comp	Sub	SNS
Maximum +									
9881		Outside cylinder	0.323	0.920	1.440	1.572	179.00	171.50	164.50
9882		Inside cylinder					179.00	171.50	164.50
9883		Inside & Outside cylinder					358.00	343.00	329.00
9881IC		Outside IC cylinder					288.25	280.75	273.75
9882IC		Inside IC cylinder					288.25	280.75	273.75
9883IC		Inside & Outside IC cylinder					588.50	574.00	559.50
Twin Maximum									
8881		Outside cylinder	0.323	0.920	1.440	1.572	191.25	183.75	176.75
8882		Inside cylinder					191.25	183.75	176.75
8883		Inside & Outside cylinder					382.75	367.75	354.75
8881IC		Outside IC cylinder					308.00	300.50	293.50
8882IC		Inside IC cylinder					308.00	300.50	293.50
8883IC		Inside & Outside IC cylinder					628.75	614.25	599.75



Deadbolts



6000 Series Deadbolt Cylinders Only

Model#	Notes	Description	HT	BL	BD	HD	Comp	Sub	SNS
Twin Exclusive									
E65811		Outside cylinder	0.323	0.920	1.440	1.572	198.75	191.25	184.25
E65812		Inside cylinder					198.75	191.25	184.25
E65813		Inside & Outside cylinder					398.25	383.25	369.25
E65811IC		Outside IC cylinder					320.00	312.50	305.50
E65812IC		Inside IC cylinder					320.00	312.50	305.50
E65813IC		Inside & Outside IC cylinder					653.75	639.25	624.75
Twin 6000 Classic									
65811		Outside cylinder	0.323	0.920	1.440	1.572	198.75	191.25	184.25
65812		Inside cylinder					198.75	191.25	184.25
65813		Inside & Outside cylinder					398.25	383.25	369.25
65811IC		Outside IC cylinder					320.00	312.50	305.50
65812IC		Inside IC cylinder					320.00	312.50	305.50
65813IC		Inside & Outside IC cylinder					653.75	639.25	624.75
Twin V-10									
V65811		Outside cylinder	0.323	0.920	1.440	1.572	198.75	191.25	184.25
V65812		Inside cylinder					198.75	191.25	184.25
V65813		Inside & Outside cylinder					398.25	383.25	369.25
V65811IC		Outside IC cylinder					320.00	312.50	305.50
V65812IC		Inside IC cylinder					320.00	312.50	305.50
V65813IC		Inside & Outside IC cylinder					653.75	639.25	624.75
Twin Pro									
6181		Outside cylinder	0.323	0.920	1.440	1.572	198.75	191.25	184.25
6182		Inside cylinder					198.75	191.25	184.25
6183		Inside & Outside cylinder					398.25	383.25	369.25
6181IC		Outside IC cylinder					320.00	312.50	305.50
6182IC		Inside IC cylinder					320.00	312.50	305.50
6183IC		Inside & Outside IC cylinder					653.75	639.25	624.75
Interchangeable Core Cylinder Less Core									
65811ICLC		Outside cylinder (Less Core)	0.323	0.920	1.440	1.572	151.50	–	–
65812ICLC		Inside cylinder (Less Core)					151.50	–	–
65813ICLC		Inside & Outside cylinder (Less Core)					333.75	–	–

For extra thick doors of 2" – 2-1/2", please suffix model numbers with -ET.

Example:.....9881-ET..... 605..... 2-3/8" backset F.....Sub..... 0A7-200

– Twin Maximum available with either CLIQ™ Remote or C4 CLIQ™ Technology, add \$535.50. Example: 8881 x CLIQ x 626 x Sidebar x Comp

600 Series Deadbolt Cylinders Only

Model#	Notes	Description	Comp	Sub	SNS
600 Series Classic					
6811		Outside cylinder	155.00	146.00	—
6812		Inside cylinder	155.00	146.00	—
6813		Inside & Outside cylinder	309.00	290.00	—

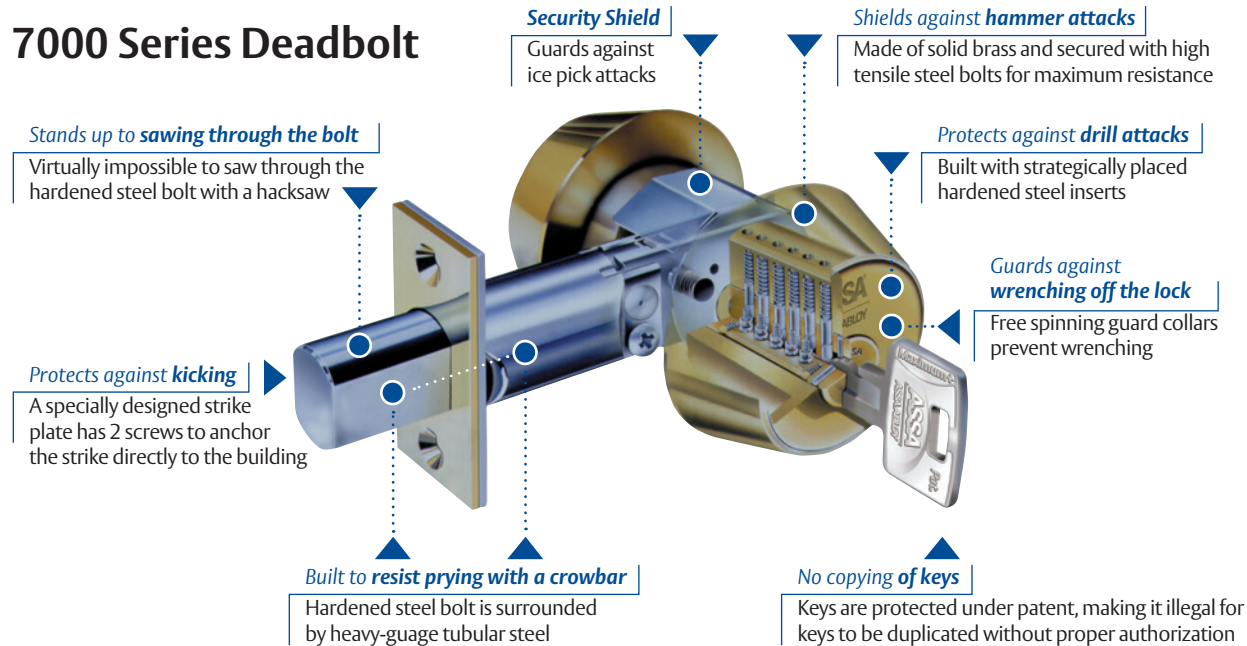
For extra thick doors of 2" – 2-1/2", please suffix model numbers with -ET.

Example:.....9881-ET..... 605..... 2-3/8" backset F.....Sub..... 0A7-200



Deadbolts

7000 Series Deadbolt



The ASSA 7000 Series deadbolt is designed to withstand any form of physical attack including drilling, prying, driving, or pulling. Its free spinning guard collars protect it from pipe wrenching while its hardened inserts guard against drilling. The 7000 comes equipped with the ASSA Security Guard to protect it from outside through-the-door attacks known as “ice picking.” All ASSA High Security products feature our unique dual locking mechanism rendering them virtually pick proof.

Benefits:

- ASSA Hardhat™ to prevent physical attack
- Free spinning guard collars to prevent wrenching
- High security solid brass cylinders
- 1/4" Aircraft strength steel mounting bolts
- Hardened bolt with full 1" throw
- Non-handed

Warranty:

- ASSA warrants its cylinders and deadbolts against defective workmanship or wear resulting from defects for one year

Certification:

- All ASSA 7000 Deadbolts are U.L. 437 Listed
- All ASSA 7000 Deadbolts are Fire Listed R38765

Technical Information:

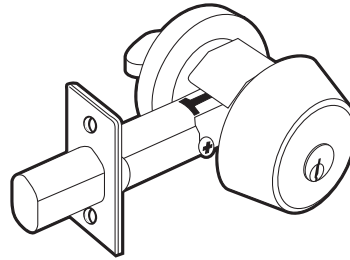
- Cylinder shell and plug made of high quality brass
- Stainless steel top pins
- Bottom pins and master pins are nickel silver

Finishes:

BHMA Symbol	U.S. Symbol	Description
625	US 26	Bright Chrome
626	US 26D	Satin Chrome
605	US 3	Bright Brass
606	US 4	Satin Brass
609	US 5	Antique Brass
612	US 10	Satin Bronze
624	US 10B	Dark Oxidized Bronze



Deadbolts



7000 Series Deadbolt

7000 Series Grade 1 Deadbolt Locks

Model#	Notes	Description	Comp	Sub	SNS
Maximum +					
7900		Single cylinder deadbolt	237.95	228.95	223.95
7900DC		Double cylinder deadbolt	335.30	326.30	317.80
7900CL		Classroom deadbolt	243.36	234.36	229.36
7900NT		Single cylinder deadbolt no thumbturn	232.54	227.54	222.54
Twin Maximum					
7800		Single cylinder deadbolt	249.85	240.85	235.85
7800DC		Double cylinder deadbolt	352.06	343.06	334.56
7800CL		Classroom deadbolt	255.53	246.53	241.53
7800NT		Single cylinder deadbolt no thumbturn	244.17	239.17	234.17
Twin Exclusive					
E7900		Single cylinder deadbolt	249.85	244.85	239.85
E7900DC		Double cylinder deadbolt	352.06	342.06	332.06
E7900CL		Classroom deadbolt	255.53	250.53	245.53
E7900NT		Single cylinder deadbolt no thumbturn	244.17	239.17	234.17
Twin 6000 Classic					
7000		Single cylinder deadbolt	249.85	240.85	235.85
7000DC		Double cylinder deadbolt	352.06	343.06	334.56
7000CL		Classroom deadbolt	255.53	246.53	241.53
7000NT		Single cylinder deadbolt no thumbturn	244.17	239.17	234.17
Twin V-10					
V7900		Single cylinder deadbolt	249.85	244.85	239.85
V7900DC		Double cylinder deadbolt	352.06	342.06	332.06
V7900CL		Classroom deadbolt	255.53	250.53	245.53
V7900NT		Single cylinder deadbolt no thumbturn	244.17	239.17	234.17
Twin Pro					
7100		Single cylinder deadbolt	249.85	240.85	235.85
7100DC		Double cylinder deadbolt	352.06	343.06	334.56
7100CL		Classroom deadbolt	255.53	250.53	245.53
7100NT		Single cylinder deadbolt no thumbturn	244.17	239.17	234.17

How To Order ASSA 7000 Series Deadbolts:

Example:	Model #	Finish	Backset	Bolt Type	Security Form	Keyway
	7900.....	605.....	#3 – 2-3/4" Backset	F – Face Plate.....	Sub.....	0A7-200
			or	or		
			#8 – 2-3/8" Backset	D – Drive-In	Contact Customer Service Department for Keyway Numbers.	

 – Twin Maximum available with either CLIQ™ Remote or C4 CLIQ™ Technology, add \$556.92. Example: 7800 x **CLIQ** x 626 x Sidebar x Comp



Deadbolts

7000 Series Deadbolt Parts

Model#	Description	Price
13-88965D *	Outside Shell, ASSA DB	69.44
13-88800D	Inside Shell, ASSA DB	60.40
353969 *	Twin V-10 Cylinder Plug	53.44
356071 *	Twin Exclusive Cylinder Plug	53.44
806974	Closing Rod	1.73
816068 *†	Maximum+ / Twin Maximum / Twin Pro Cylinder Plug	69.76
867046	Tailpiece Washer DBOLT/PDLK	6.39
867090	Phillips Screw for Cams, Mortise & Deadbolt Tailpiece – Sold in packs of 100	62.00/pk
900700	2-3/4" Bolt, Drive-In	74.09
900701	2-3/8" Bolt, Drive-In	74.09
900702 *	2-3/4" Bolt, Faceplate	74.09
900703 *	2-3/8" Bolt, Faceplate	74.09
900704	Single Screwpack (Also used with Classroom and No Thumbturn)	18.17
900705	Double Screwpack	18.17
900750 *	Thumbturn Trim Plate Package	8.33
900751 *	Inside Assembly with Thumbturn	88.25
900752	Thumbturn Trim Package Single Cylinder	11.36
900754 *	Double Cylinder Trim Plate Package	9.84
900755 *	Single and Double Cylinder Strike Plate Screw Package	16.55
900757	Strike Reinforcement, Steel Box	5.51
900758	Plastic Dust Cup, Deadbolt	3.79
900759	Strike Reinforcement, Flat Steel	3.79
900760	Security Sleeve	25.85
900761	Security Ring	2.97
900762	DB Drill Protection Pin	2.60
900763 *	#8 X 3/4 Combination WD/Machine Screw	0.75
900764 *	Thumbturn	50.84
900766	Round Front Drive-In Assembly	37.64
900767 *	Strike Plate	10.40
900768 *	Collar, 6 Pin ASSA DB	65.22
900769 *	Spacer Rings for 1 3/8" Door for 7000 Series Deadbolt (Package of 2)	40.56
900770	Thumbturn Retaining Ring	1.62
900771	#8-32 X 3/8 Thumbturn Set Screw	0.75
900772	Thumbturn Tailpiece, Extended, DB	7.25
900773	Thumbturn Spring	1.08
900774	Spindle Retaining Ring	0.61
900775	Thumbturn Spindle, Zinc, DB	4.22
900776	7000 Break Off Tailpiece (For Doors up to 2 1/2" Thick)	7.25
900778	.191 Dia. Ball	0.27
900779	.202 Dia. Ball	0.27

* - Indicates Finished Components

† – Specify Profile 0A7 for Maximum+ or 0M7 for Twin Maximum 0P4 for Twin Pro.



Deadbolts

M90 Series Grade 2 Deadbolt Locks

Benefits:

- Security Shield - Guards against ice pick attacks
- Can be keyed alike or master-keyed with other ASSA High Security products
- Deadbolt: UL fire rated
- Door thickness: 1-3/8" (35mm) to 1-3/4" (45mm)
- Available as single cylinder (with thumbturn) or double cylinder
- Adjustable 2-3/8" (60mm) or 2-3/4" (70mm) backset
- Steel hardened bolt pin
- Steel core rosette
- Only available in 626 finish



M90 Series Deadbolt

ASSA M90 Deadbolt - ANSI/BHMA A156.5 Grade 2 & UL 3 hours fire rating certified
Commercial Deadbolt Design for commercial building with Heavy Traffic Applications:

- High abuse areas
- High traffic areas
- Multi family housing
- Retail complexes

Model#	Notes	Description	Comp	Sub	SNS
Maximum +					
98M9010		Single cylinder w/thumbturn	157.37	149.87	142.87
98M9020DC		Double cylinder	246.88	231.88	217.88
Maximum + Restricted					
R28M9010		Single cylinder w/thumbturn	99.24	91.74	—
R28M9020DC		Double cylinder	118.71	103.71	—
Twin Maximum					
88M9010		Single cylinder w/thumbturn	169.54	162.04	155.04
88M9020DC		Double cylinder	265.80	250.80	236.80
Twin Exclusive					
EM9010		Single cylinder w/thumbturn	176.30	168.80	161.80
EM9020DC		Double cylinder	276.62	261.62	247.62
Twin 6000 Classic					
M9010		Single cylinder w/thumbturn	176.30	168.80	161.80
M9020DC		Double cylinder	276.62	261.62	247.62
Twin V-10					
VM9010		Single cylinder w/thumbturn	176.30	168.80	161.80
VM9020DC		Double cylinder	276.62	261.62	247.62
Twin Pro					
61M9010		Single cylinder w/thumbturn	176.30	168.80	161.80
61M9020DC		Double cylinder	276.62	261.62	247.62
SFIC					
M9010-SFIC		Single cylinder w/thumbturn, less cylinder	162.24	—	—
M9020DC-SFIC		Double cylinder, less cylinder	216.32	—	—
KIK-Schlage-C					
M9010-KIK		Single cylinder w/thumbturn, less cylinder	97.34	—	—
M9020DC-KIK		Double cylinder, less cylinder	113.57	—	—

– Twin Maximum available with either CLIQ™ Remote or CLIQ™ Technology, add \$556.92.

Example: 8881-1 x CLIQ x 626 x Sidebar x Comp



Auxiliary Locks

ASSA's auxiliary lock line brings the same level of key control and durability to cam locks, window locks, drawer and desk locks as standard for all of our high security products. All of our auxiliary locks are operated by the same 6 pin uniquely side coded keys as the rest of our high security line eliminating the need for maintaining separate key systems.



Benefits:

- All locks operated by same high security key
- Unlimited number of applications
- Two independent locking mechanisms to ensure security and optimum pick resistance
- Inactive "false" gates in side pins designed to increase pick resistance
- Can be easily rekeyed in the field

Technical Information:

- Cylinder housing and plug made of high quality brass
- Stainless steel top pins
- Bottom pins and master pins are nickel silver

Warranty:

- ASSA warrants its cylinders against defective workmanship or wear resulting from defects for one year



Cam Locks

ASSA manufactures the most rugged high security cam locks on the market today. The sturdy design makes it perfect for inner safe doors and compartments, cash storage containers, drug carts, gun cabinets, alarm control panels, and key storage cabinets. ASSA cam locks are operated with the same ASSA 6 pin high security key as the rest of our product offering and are available in both key retaining and non-key retaining models.



Benefits:

- Operated by 6 pin high security key
- Available in key retaining and non-key retaining
- 31 different catches available
- Two independent locking mechanisms to ensure security and optimum pick resistance
- Inactive "false" gates in side pins designed to increase pick resistance

Technical Information:

- Installation prep 22 mm, 7/8" Double "D" (punch available from ASSA)
- Uses stainless steel hollow interchangeable core drivers
- Body and plug chromium plated brass
- Bottom pins and master pins are nickel silver

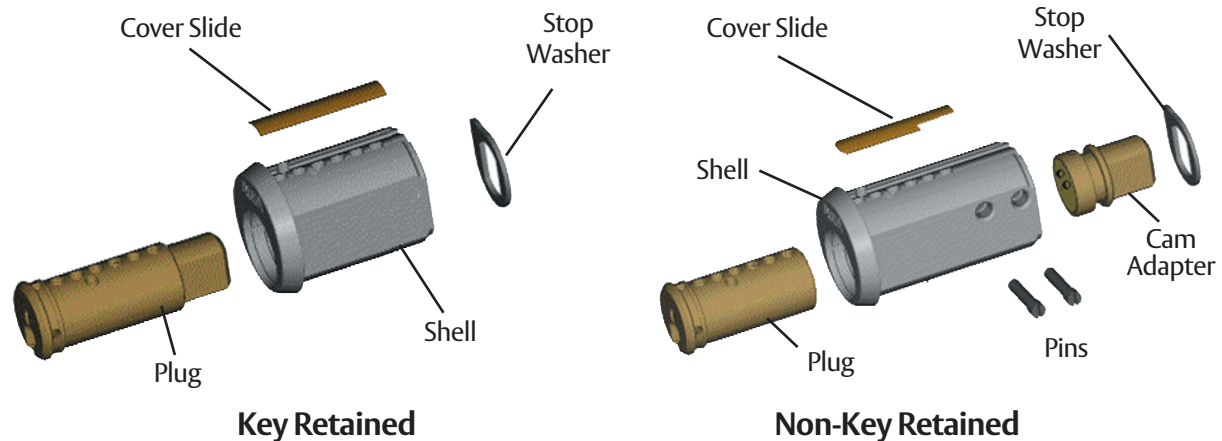
Warranty:

- ASSA warrants its cylinders against defective workmanship or wear resulting from defects for one year

Finishes:

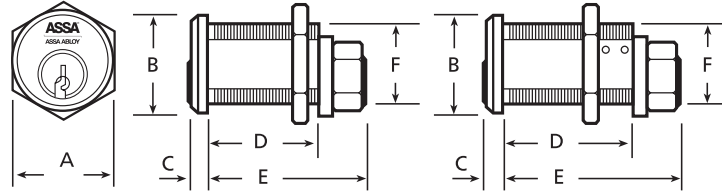
BHMA Symbol	U.S. Symbol	Description
625	US 26	Bright Chrome

Cam Locks Exploded View





Cam Locks



Model#	Notes	Description	A	B	C	D	E	F	Comp	Sub	SNS
Maximum +											
9871		Key Retaining Cam Lock 90°	1.025	0.980	0.110	1.070	1.490	0.860	108.16	88.16	83.16
9872		Non-Key Retaining Cam Lock 360°	1.025	0.980	0.150	1.510	1.865	0.860	108.16	88.16	83.16
Maximum + Restricted											
R2871		Key Retaining Cam Lock 90°	1.025	0.980	0.110	1.070	1.490	0.860	81.12	61.12	—
R2872		Non-Key Retaining Cam Lock 360°	1.025	0.980	0.150	1.510	1.865	0.860	81.12	61.12	—
Twin Maximum											
8871	CLIQ	Key Retaining Cam Lock 90°	1.025	0.980	0.110	1.070	1.490	0.860	118.98	98.98	93.98
8872		Non-Key Retaining Cam Lock 360°	1.025	0.980	0.150	1.510	1.865	0.860	118.98	98.98	93.98
Twin Exclusive											
E6571		Key Retaining Cam Lock 90°	1.025	0.980	0.110	1.070	1.490	0.860	118.98	98.98	93.98
E7571		Non-Key Retaining Cam Lock 360°	1.025	0.980	0.150	1.510	1.865	0.860	118.98	98.98	93.98
Twin 6000 Classic											
6571		Key Retaining Cam Lock 90°	1.025	0.980	0.110	1.070	1.490	0.860	118.98	98.98	93.98
7571		Non-Key Retaining Cam Lock 360°	1.025	0.980	0.150	1.510	1.865	0.860	118.98	98.98	93.98
Twin V-10											
V6571		Key Retaining Cam Lock 90°	1.025	0.980	0.110	1.070	1.490	0.860	118.98	98.98	93.98
V7571		Non-Key Retaining Cam Lock 360°	1.025	0.980	0.150	1.510	1.865	0.860	118.98	98.98	93.98
Twin Pro											
6171		Key Retaining Cam Lock 90°	1.025	0.980	0.110	1.070	1.490	0.860	118.98	98.98	93.98
7171		Non-Key Retaining Cam Lock 360°	1.025	0.980	0.150	1.510	1.865	0.860	118.98	98.98	93.98

CLIQ – Twin Maximum available with CLIQ™ Technology. Example: 8871 x CLIQ x 626 x Sidebar x Comp

How To Order ASSA Auxiliary Locks:

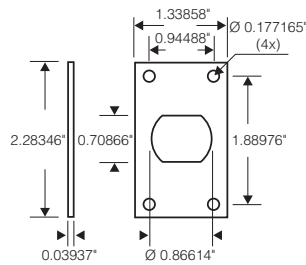
Example: Model # Security Form Keyway
 9871.....Sub.....0A7-200

Contact Customer Service Department for Keyway Numbers.

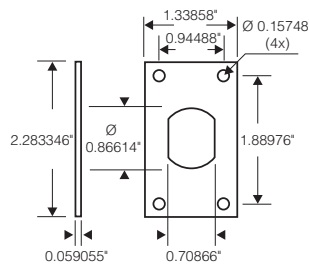


Cam Locks

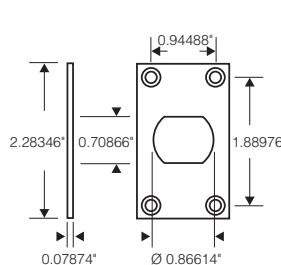
Cam Locks Accessories



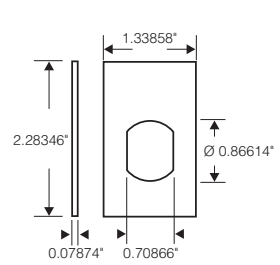
Fixing Plate 490825



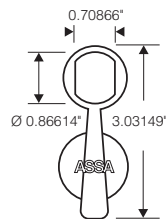
Fixing Plate 491449



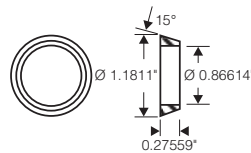
Front Plate 490821



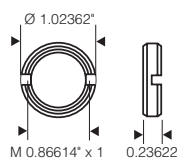
Front Plate 491450



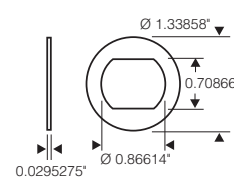
Dust Cap 391053



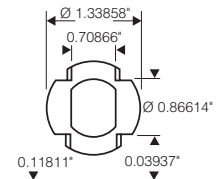
Cylinder Ring 490271



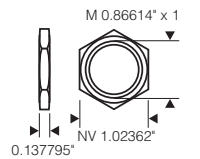
Housing Washer 490663



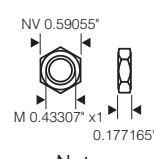
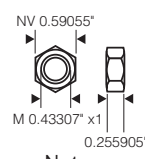
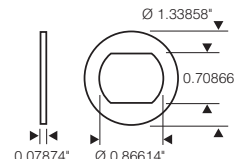
Front Plate 490657



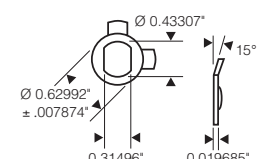
Nail Plate 491299



Housing Nut 490610

Nut
490583Nut
491439

Front Plate 497008



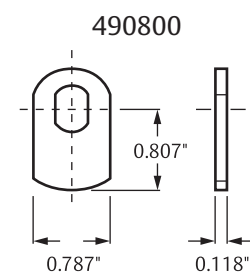
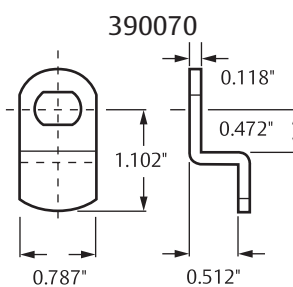
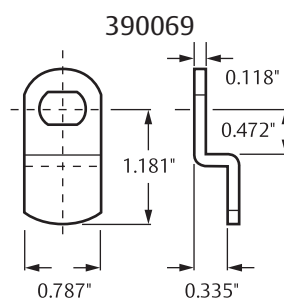
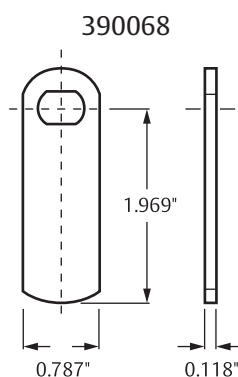
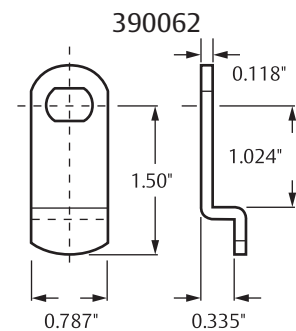
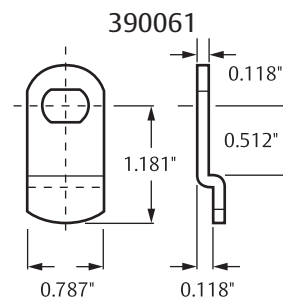
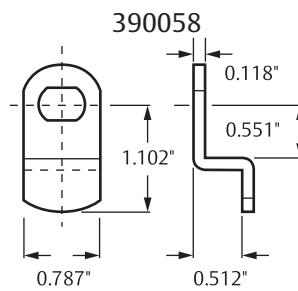
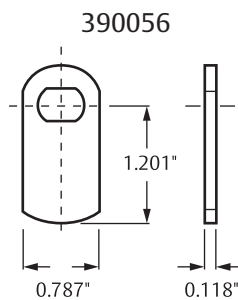
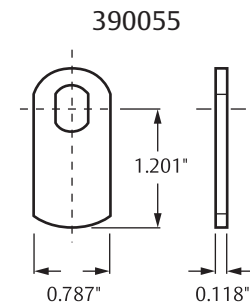
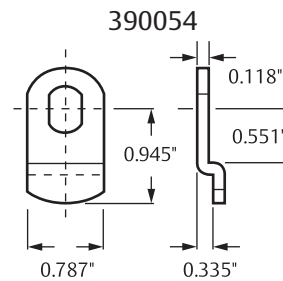
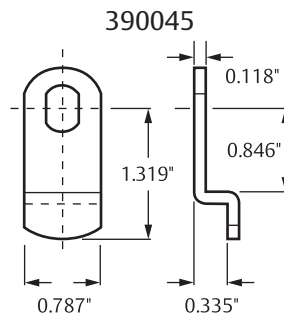
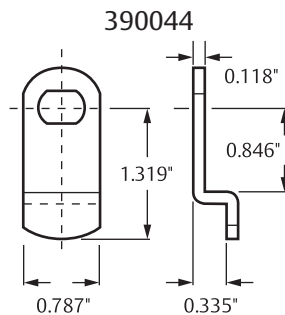
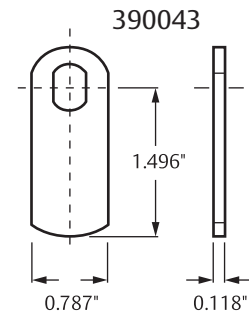
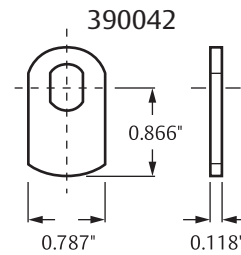
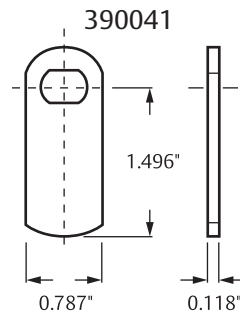
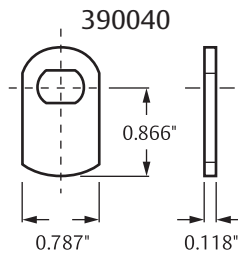
Lock Washer 490246

Model#	Description	Price
See catalog pages 56-57 for product number	Cam Lock Catches	3.24
CLK-1	Cam Lock Catch Kit (Includes 2 ea. of 31 Cam Catches)	170.89
CLP-D	7/8" Double D Cam Lock/Switch Lock Punch	692.22
490271	Cam Lock cylinder ring	14.06
391053	Cam Lock dust cap	8.65
490825	Cam Lock fixing plate	5.41
491449	Cam Lock fixing plate	5.41
497008	Cam Lock front plate	7.57
490657	Cam Lock front plate	7.57
490821	Cam Lock front plate	7.57
491450	Cam Lock front plate	7.57
490246	Cam Lock washer	2.16
491299	Cam Lock nail plate	3.24
490583	Cam Lock nut	3.24
491439	Cam Lock nut (m11x1)	3.24
490610	Cam Lock housing nut (m22x1)	5.41
490663	Cam Lock housing washer	7.57
492069	Cam Lock turn stop washer	7.57



Cam Locks

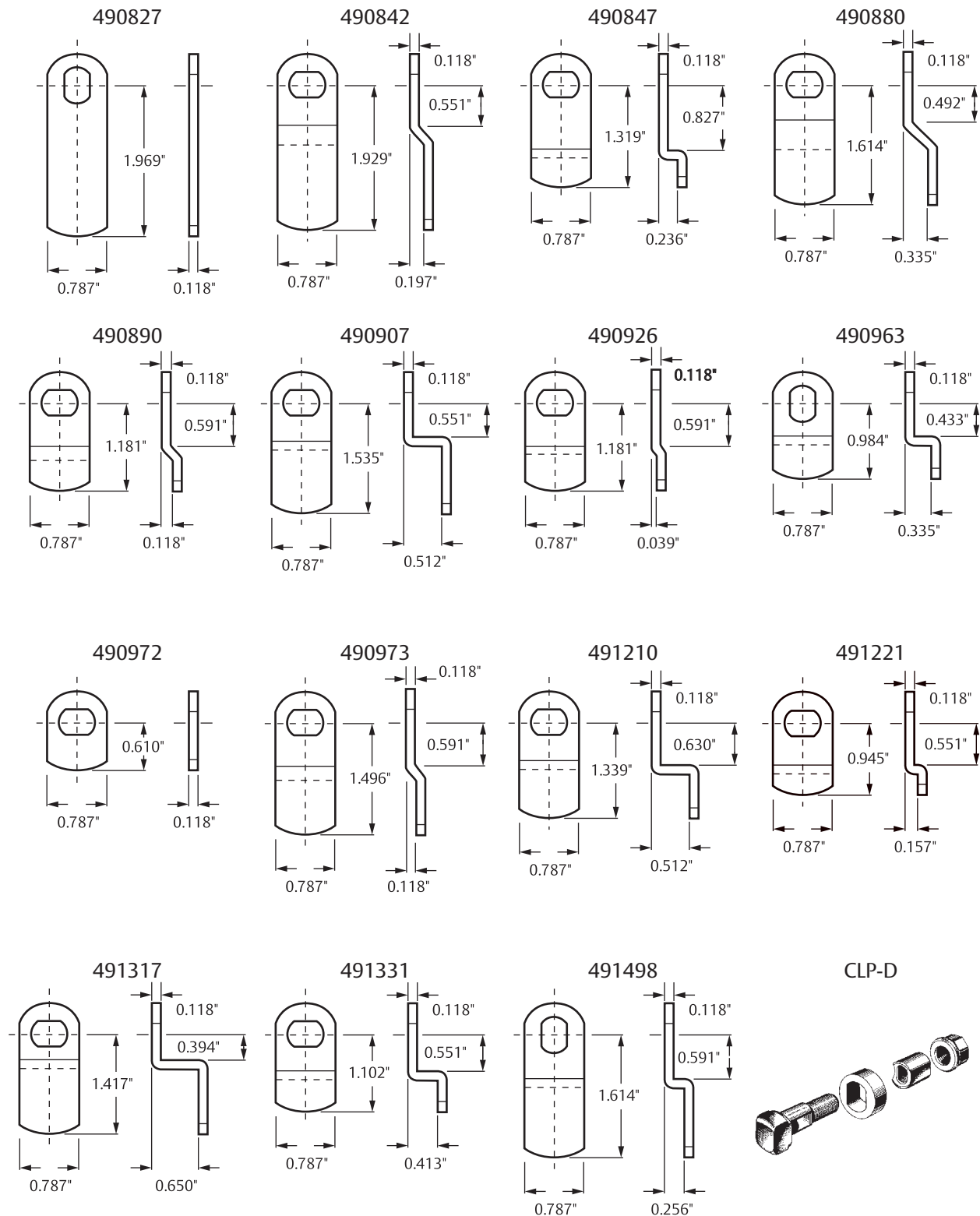
Cam Lock Catches





Cam Locks

Cam Lock Catches





Utility Locks

ASSA Utility Locks are used to secure sliding glass or wood doors, storage cabinets, and windows. They can be keyed into any ASSA key system or used as a stand alone locking device. The body is finished with baked on white enamel. This assembly locks with just one push of your thumb or finger, as easy as locking a file cabinet. The Utility Lock comes with all of its own mounting hardware for standard wood frame applications and shims for uneven surfaces.



Benefits:

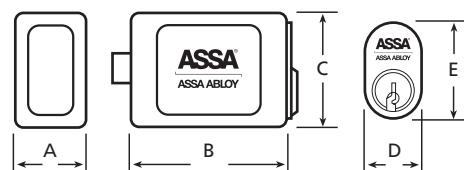
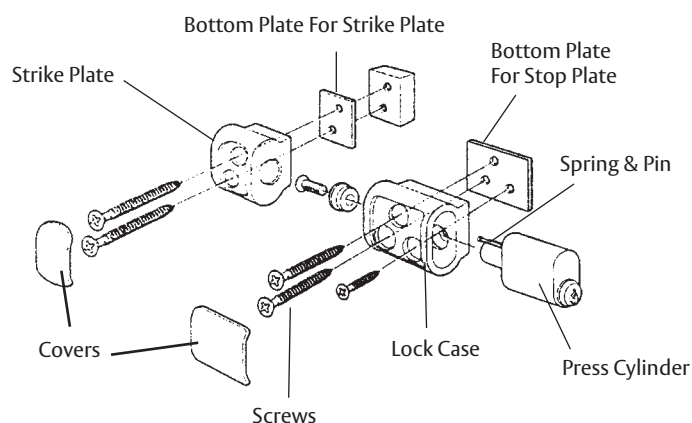
- 6 pin high security cylinder
- Two independent locking mechanisms to ensure security and optimum pick resistance
- Inactive “false” gates in side pins designed to increase pick resistance

Technical Information:

- Cast aluminum housing
- Cast aluminum rim and mortise strike
- Cylinder body and plug high quality brass
- Stainless steel top pins
- Bottom pins and master pins are nickel silver

Warranty:

- ASSA warrants its cylinders against defective workmanship or wear resulting from defects for one year



Model#	Notes	Description	A	B	C	D	E	Comp	Sub	SNS
Maximum +										
9880		Utility Lock	0.868	1.472	1.345	0.670	1.115	117.75	110.00	103.25
Twin Maximum										
8880		Utility Lock	0.868	1.472	1.345	0.670	1.115	123.25	115.50	108.75
Twin Exclusive										
E7680		Utility Lock	0.868	1.472	1.345	0.670	1.115	128.25	120.50	113.75
Twin 6000 Classic										
7680		Utility Lock	0.868	1.472	1.345	0.670	1.115	128.25	120.50	113.75
Twin V-10										
V7680		Utility Lock	0.868	1.472	1.345	0.670	1.115	128.25	120.50	113.75
Twin Pro										
6180		Utility Lock	0.868	1.472	1.345	0.670	1.115	128.25	120.50	113.75

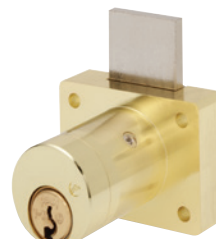


Cabinet Locks

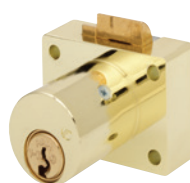
ASSA cabinet and desk locks feature our high security U.L. 437 listed cylinders. These versatile locks can be keyed into any ASSA master key system. The cylinder can be easily rekeyed by removing the set screw on the side of the cylinder housing.



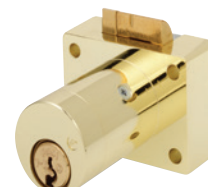
1-3/8" Door Lock



1-3/8" Drawer Lock



7/8" Deadlocking Latch



1-3/8" Deadlocking Latch

Benefits:

- ASSA U.L. 437 high security cylinder
- Setscrew for easy rekeying
- Two independent locking mechanisms to ensure security and optimum pick resistance
- Inactive "false" gates in side pins designed to increase pick resistance

Technical Information:

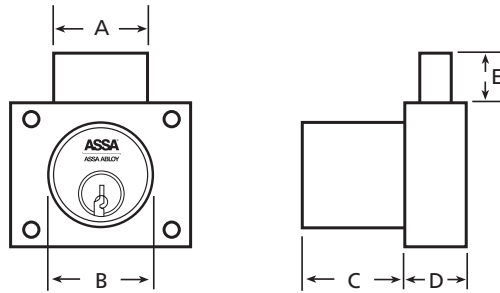
- Available with plastic spacer and strike
- Cabinet lock available with horizontal or vertical bolt and deadlatch
- Desk lock available in 7/8" and 1-3/8" mounting thickness
- Bolt material high quality brass
- Stainless steel top pins
- Bottom pins and master pins are nickel silver

Warranty:

- ASSA warrants its cylinders against defective workmanship or wear resulting from defects for one year

Finishes:

BHMA Symbol	U.S. Symbol	Description
626	US 26D	Satin Chrome
605	US 3	Bright Brass



Cabinet Locks

Cabinet Locks

Model#	Notes	Description	A	B	C	D	E	Comp	Sub	SNS
Maximum +										
98700AS-138	*	1-3/8" Door Lock	1.010	1.120	1.420	0.515	0.965	140.61	120.61	115.61
98800AS-138	*	1-3/8" Drawer Lock						140.61	120.61	115.61
98850AS-078	*	7/8" Deadlocking Latch			1.185	0.635	0.320	173.06	153.06	148.06
98850AS-138	*	1-3/8" Deadlocking Latch			1.420	0.515	0.965	173.06	153.06	148.06
Maximum + Restricted										
R28700AS-138	*	1-3/8" Door Lock	1.010	1.120	1.420	0.515	0.965	74.63	54.63	–
R28800AS-138	*	1-3/8" Drawer Lock						74.63	54.63	–
R28850AS-078	*	7/8" Deadlocking Latch			1.185	0.635	0.320	104.92	84.92	–
R28850AS-138	*	1-3/8" Deadlocking Latch			1.420	0.515	0.965	108.16	88.16	–
Twin Maximum										
88700AS-138	* 	1-3/8" Door Lock	1.010	1.120	1.420	0.515	0.965	140.61	120.61	115.61
88800AS-138	* 	1-3/8" Drawer Lock						140.61	120.61	115.61
88850AS-078	* 	7/8" Deadlocking Latch			1.185	0.635	0.320	173.06	153.06	148.06
88850AS-138	* 	1-3/8" Deadlocking Latch			1.420	0.515	0.965	173.06	153.06	148.06
Twin Exclusive										
E700AS-138	*	1-3/8" Door Lock	1.010	1.120	1.420	0.515	0.965	140.61	120.61	115.61
E800AS-138	*	1-3/8" Drawer Lock						140.61	120.61	115.61
E850AS-078	*	7/8" Deadlocking Latch			1.185	0.635	0.320	173.06	153.06	148.06
E850AS-138	*	1-3/8" Deadlocking Latch			1.420	0.515	0.965	173.06	153.06	148.06
Twin 6000 Classic										
700AS-138	*	1-3/8" Door Lock	1.010	1.120	1.420	0.515	0.965	140.61	120.61	115.61
800AS-138	*	1-3/8" Drawer Lock						140.61	120.61	115.61
850AS-078	*	7/8" Deadlocking Latch			1.185	0.635	0.320	173.06	153.06	148.06
850AS-138	*	1-3/8" Deadlocking Latch			1.420	0.515	0.965	173.06	153.06	148.06
Twin V-10										
V700AS-138	*	1-3/8" Door Lock	1.010	1.120	1.420	0.515	0.965	140.61	120.61	115.61
V800AS-138	*	1-3/8" Drawer Lock						140.61	120.61	115.61
V850AS-078	*	7/8" Deadlocking Latch			1.185	0.635	0.320	173.06	153.06	148.06
V850AS-138	*	1-3/8" Deadlocking Latch			1.420	0.515	0.965	173.06	153.06	148.06
Twin Pro										
61700AS-138	*	1-3/8" Door Lock	1.010	1.120	1.420	0.515	0.965	140.61	120.61	115.61
61800AS-138	*	1-3/8" Drawer Lock						140.61	120.61	115.61
61850AS-078	*	7/8" Deadlocking Latch			1.185	0.635	0.320	173.06	153.06	148.06
61850AS-138	*	1-3/8" Deadlocking Latch			1.420	0.515	0.965	173.06	153.06	148.06

– Twin Maximum available with CLIQ™ Technology, add \$556.92. Example: 88700AS-138 x x 626 x Sidebar x Comp

* Indicate product finish, Cabinet locks are available in 605 & 626 only.



Micro Keyswitch Locks

Combining state of the art Securitron designed technology with the versatility of an ASSA non key retaining cam lock, this switch lock is fully reversible from maintained to momentary.

Benefits:

- Choice of actuation (plunger as well as a variety of integral and auxiliary actuators)
- Choice of electrical termination (solder, quick connect, PCB)
- Available with standard or narrow stile mounting plate with LED

Technical Information:

- Single pull double throw (SPDT) pin actuator and solder termination standard
- 3 amp at 12 or 24 VDC
- Uses stainless steel hollow interchangeable core drivers
- Body and plug chromium plated brass
- Stainless steel top pins
- Bottom pins and master pins are nickel silver



Warranty:

- ASSA warrants its cylinders against defective workmanship or wear resulting from defects for one year

Finishes:

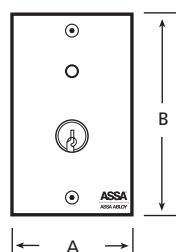
BHMA Symbol	U.S. Symbol	Description
626	US 26D	Satin Chrome

Keyswitches

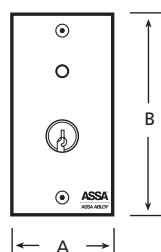
Model#	Notes	Description	A	B	C	D	E	Comp	Sub	SNS
Maximum +										
9870-LP		Keyswitch Switch Momentary	1.025	0.980	0.110	1.510	0.860	302.85	282.85	277.85
9871-LP		Keyswitch Switch On/Off						302.85	282.85	277.85
Twin Maximum										
8870-LP		Keyswitch Switch Momentary	1.025	0.980	0.110	1.510	0.860	302.85	282.85	277.85
8871-LP		Keyswitch Switch On/Off						302.85	282.85	277.85
Twin Exclusive										
E7700-LP		Keyswitch Switch Momentary	1.025	0.980	0.110	1.510	0.860	302.85	282.85	277.85
E7771-LP		Keyswitch Switch On/Off						302.85	282.85	277.85
Twin 6000 Classic										
7700-LP		Keyswitch Switch Momentary	1.025	0.980	0.110	1.510	0.860	302.85	282.85	277.85
7771-LP		Keyswitch Switch On/Off						302.85	282.85	277.85
Twin V-10										
V7700-LP		Keyswitch Switch Momentary	1.025	0.980	0.110	1.510	0.860	302.85	282.85	277.85
V7771-LP		Keyswitch Switch On/Off						302.85	282.85	277.85
Twin Pro										
6700-LP		Keyswitch Switch Momentary	1.025	0.980	0.110	1.510	0.860	302.85	282.85	277.85
6771-LP		Keyswitch Switch On/Off						302.85	282.85	277.85



Micro Keyswitch Locks



Single Gang Plate



Narrow Stile Plate

Keyswitches with Single Gang Plate

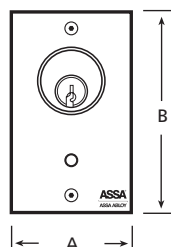
Model#	Notes	Description	A	B	Comp	Sub	SNS
Maximum +							
9870-SG		Single Gang Plate Bi/LED Momentary	2.75	4.50	411.01	391.01	386.01
9871-SG		Single Gang Plate Bi/LED On/Off			411.01	391.01	386.01
Twin Maximum							
8870-SG		Single Gang Plate Bi/LED Momentary	2.75	4.50	411.01	391.01	386.01
8871-SG		Single Gang Plate Bi/LED On/Off			411.01	391.01	386.01
Twin Exclusive							
E7700		Single Gang Plate Bi/LED Momentary	2.75	4.50	411.01	391.01	386.01
E7771		Single Gang Plate Bi/LED On/Off			411.01	391.01	386.01
Twin 6000 Classic							
7700		Single Gang Plate Bi/LED Momentary	2.75	4.50	411.01	391.01	386.01
7771		Single Gang Plate Bi/LED On/Off			411.01	391.01	386.01
Twin V-10							
V7700		Single Gang Plate Bi/LED Momentary	2.75	4.50	411.01	391.01	386.01
V7771		Single Gang Plate Bi/LED On/Off			411.01	391.01	386.01
Twin Pro							
6700		Single Gang Plate Bi/LED Momentary	2.75	4.50	411.01	391.01	386.01
6771		Single Gang Plate Bi/LED On/Off			411.01	391.01	386.01

Keyswitches with Narrow Stile Plate

Model#	Notes	Description	A	B	Comp	Sub	SNS
Maximum +							
9870-N		Narrow Stile Plate Bi/LED Momentary	1.75	4.50	411.01	391.01	386.01
9871-N		Narrow Stile Plate Bi/LED On/Off			411.01	391.01	386.01
Twin Maximum							
8870-N		Narrow Stile Plate Bi/LED Momentary	1.75	4.50	411.01	391.01	386.01
8871-N		Narrow Stile Plate Bi/LED On/Off			411.01	391.01	386.01
Twin Exclusive							
E7700-N		Narrow Stile Plate Bi/LED Momentary	1.75	4.50	411.01	391.01	386.01
E7771-N		Narrow Stile Plate Bi/LED On/Off			411.01	391.01	386.01
Twin 6000 Classic							
7700-N		Narrow Stile Plate Bi/LED Momentary	1.75	4.50	411.01	391.01	386.01
7771-N		Narrow Stile Plate Bi/LED On/Off			411.01	391.01	386.01
Twin V-10							
V7700-N		Narrow Stile Plate Bi/LED Momentary	1.75	4.50	411.01	391.01	386.01
V7771-N		Narrow Stile Plate Bi/LED On/Off			411.01	391.01	386.01
Twin Pro							
6700-N		Narrow Stile Plate Bi/LED Momentary	1.75	4.50	411.01	391.01	386.01
6771-N		Narrow Stile Plate Bi/LED On/Off			411.01	391.01	386.01



Mortise Keyswitch Locks



Mortise Keyswitches with Single Gang Plate

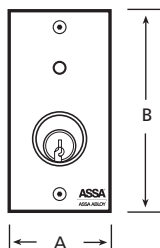
Model#	Notes	Description	A	B	Comp	Sub	SNS
Maximum +							
9851MKS	*	Single Gang Plate Mortise Bi/LED with One SPDT Momentary Switch	2.75	4.50	411.01	391.01	386.01
9851MKSA	*	Single Gang Plate Mortise Bi/LED with One SPDT Alternate - On/Off Switch			411.01	391.01	386.01
9851MKS2	*	Single Gang Plate Mortise Bi/LED with One DPDT Momentary Switch			411.01	391.01	386.01
9851MKS2A	*	Single Gang Plate Mortise Bi/LED with One DPDT Alternate - On/Off Switch			411.01	391.01	386.01
Twin Maximum							
8851MKS	* 	Single Gang Plate Mortise Bi/LED with One SPDT Momentary Switch	2.75	4.50	411.01	391.01	386.01
8851MKSA	* 	Single Gang Plate Mortise Bi/LED with One SPDT Alternate - On/Off Switch			411.01	391.01	386.01
8851MKS2	* 	Single Gang Plate Mortise Bi/LED with One DPDT Momentary Switch			411.01	391.01	386.01
8851MKS2A	* 	Single Gang Plate Mortise Bi/LED with One DPDT Alternate - On/Off Switch			411.01	391.01	386.01
Twin Exclusive							
E6551MKS	*	Single Gang Plate Mortise Bi/LED with One SPDT Momentary Switch	2.75	4.50	475.90	455.90	450.90
E6551MKSA	*	Single Gang Plate Mortise Bi/LED with One SPDT Alternate - On/Off Switch			475.90	455.90	450.90
E6551MKS2	*	Single Gang Plate Mortise Bi/LED with One DPDT Momentary Switch			475.90	455.90	450.90
E6551MKS2A	*	Single Gang Plate Mortise Bi/LED with One DPDT Alternate - On/Off Switch			475.90	455.90	450.90
Twin 6000 Classic							
6551MKS	*	Single Gang Plate Mortise Bi/LED with One SPDT Momentary Switch	2.75	4.50	475.90	455.90	450.90
6551MKSA	*	Single Gang Plate Mortise Bi/LED with One SPDT Alternate - On/Off Switch			475.90	455.90	450.90
6551MKS2	*	Single Gang Plate Mortise Bi/LED with One DPDT Momentary Switch			475.90	455.90	450.90
6551MKS2A	*	Single Gang Plate Mortise Bi/LED with One DPDT Alternate - On/Off Switch			475.90	455.90	450.90
Twin V-10							
V6551MKS	*	Single Gang Plate Mortise Bi/LED with One SPDT Momentary Switch	2.75	4.50	475.90	455.90	450.90
V6551MKSA	*	Single Gang Plate Mortise Bi/LED with One SPDT Alternate - On/Off Switch			475.90	455.90	450.90
V6551MKS2	*	Single Gang Plate Mortise Bi/LED with One DPDT Momentary Switch			475.90	455.90	450.90
V6551MKS2A	*	Single Gang Plate Mortise Bi/LED with One DPDT Alternate - On/Off Switch			475.90	455.90	450.90
Twin Pro							
6151MKS	*	Single Gang Plate Mortise Bi/LED with One SPDT Momentary Switch	2.75	4.50	475.90	455.90	450.90
6151MKSA	*	Single Gang Plate Mortise Bi/LED with One SPDT Alternate - On/Off Switch			475.90	455.90	450.90
6151MKS2	*	Single Gang Plate Mortise Bi/LED with One DPDT Momentary Switch			475.90	455.90	450.90
6151MKS2A	*	Single Gang Plate Mortise Bi/LED with One DPDT Alternate - On/Off Switch			475.90	455.90	450.90

* Mortise Keyswitch assemblies can take up to two switches and are supplied with one switch. All switches are listed on page 64.

– Twin Maximum available with CLIQ™ Technology. Example: 8851 MKS x **CLIQ** x 626 x Sidebar x Comp



Mortise Keyswitch Locks



Mortise Keyswitches with Narrow Stile Plate

Model#	Notes	Description	A	B	Comp	Sub	SNS
Maximum +							
9851MKS-N	*	Narrow Stile Plate Mortise Bi/LED with One SPDT Momentary Switch	1.75	4.50	421.82	401.82	396.82
9851MKSA-N	*	Narrow Stile Plate Mortise Bi/LED with One SPDT Alternate - On/Off Switch			421.82	401.82	396.82
9851MKS2-N	*	Narrow Stile Plate Mortise Bi/LED with One DPDT Momentary Switch			421.82	401.82	396.82
9851MKS2A-N	*	Narrow Stile Plate Mortise Bi/LED with One DPDT Alternate - On/Off Switch			421.82	401.82	396.82
Twin Maximum							
8851MKS-N	* 	Narrow Stile Plate Mortise Bi/LED with One SPDT Momentary Switch	1.75	4.50	421.82	401.82	396.82
8851MKSA-N	* 	Narrow Stile Plate Mortise Bi/LED with One SPDT Alternate - On/Off Switch			421.82	401.82	396.82
8851MKS2-N	* 	Narrow Stile Plate Mortise Bi/LED with One DPDT Momentary Switch			421.82	401.82	396.82
8851MKS2A-N	* 	Narrow Stile Plate Mortise Bi/LED with One DPDT Alternate - On/Off Switch			421.82	401.82	396.82
Twin Exclusive							
E6551MKS-N	*	Narrow Stile Plate Mortise Bi/LED with One SPDT Momentary Switch	1.75	4.50	475.90	455.90	450.90
E6551MKSA-N	*	Narrow Stile Plate Mortise Bi/LED with One SPDT Alternate - On/Off Switch			475.90	455.90	450.90
E6551MKS2-N	*	Narrow Stile Plate Mortise Bi/LED with One DPDT Momentary Switch			475.90	455.90	450.90
E6551MKS2A-N	*	Narrow Stile Plate Mortise Bi/LED with One DPDT Alternate - On/Off Switch			475.90	455.90	450.90
Twin 6000 Classic							
6551MKS-N	*	Narrow Stile Plate Mortise Bi/LED with One SPDT Momentary Switch	1.75	4.50	475.90	455.90	450.90
6551MKSA-N	*	Narrow Stile Plate Mortise Bi/LED with One SPDT Alternate - On/Off Switch			475.90	455.90	450.90
6551MKS2-N	*	Narrow Stile Plate Mortise Bi/LED with One DPDT Momentary Switch			475.90	455.90	450.90
6551MKS2A-N	*	Narrow Stile Plate Mortise Bi/LED with One DPDT Alternate - On/Off Switch			475.90	455.90	450.90
Twin V-10							
V6551MKS-N	*	Narrow Stile Plate Mortise Bi/LED with One SPDT Momentary Switch	1.75	4.50	475.90	455.90	450.90
V6551MKSA-N	*	Narrow Stile Plate Mortise Bi/LED with One SPDT Alternate - On/Off Switch			475.90	455.90	450.90
V6551MKS2-N	*	Narrow Stile Plate Mortise Bi/LED with One DPDT Momentary Switch			475.90	455.90	450.90
V6551MKS2A-N	*	Narrow Stile Plate Mortise Bi/LED with One DPDT Alternate - On/Off Switch			475.90	455.90	450.90
Twin Pro							
6151MKS-N	*	Narrow Stile Plate Mortise Bi/LED with One SPDT Momentary Switch	1.75	4.50	475.90	455.90	450.90
6151MKSA-N	*	Narrow Stile Plate Mortise Bi/LED with One SPDT Alternate - On/Off Switch			475.90	455.90	450.90
6151MKS2-N	*	Narrow Stile Plate Mortise Bi/LED with One DPDT Momentary Switch			475.90	455.90	450.90
6151MKS2A-N	*	Narrow Stile Plate Mortise Bi/LED with One DPDT Alternate - On/Off Switch			475.90	455.90	450.90

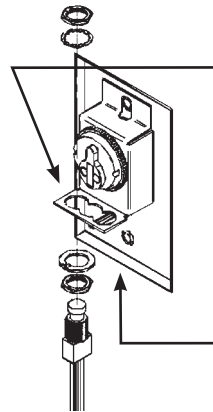
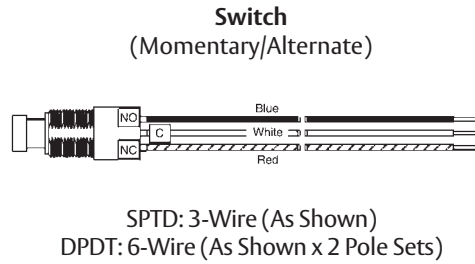
* Mortise Keyswitch assemblies can take up to two switches and are supplied with one switch. All switches are listed on page 64.



– Twin Maximum available with CLIQ™ Technology. Example: 8851 MKS-N x CLIQ x 626 x Sidebar x Comp



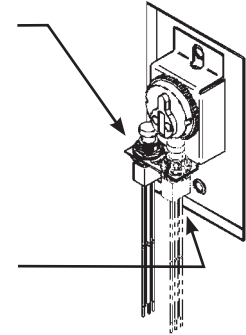
Mortise Keyswitch Locks



Switch Assembly

Switch Position
for 90° Clockwise
(3 O'Clock Activation)

Optional/Additional
Switch Position for 90°
Counter-Clockwise
(9 O'Clock Activation)
Or: 180° Individual
CW-CCW
(9 & 3 O'Clock Activation)



Optional Switches for Mortise Switch Plates

Model#	Description	Price
ASMKS	SPDT Momentary	97.34
ASMKSA	SPDT Alternate (ON/OFF)	97.34
ASMKS2	DPDT Momentary	153.59
ASMKS2A	DPDT Alternate (ON/OFF)	153.59



Padlocks

ASSA manufactures high security padlocks in three classes, all of which can be integrated into any new or existing ASSA master key system. Our heavy duty padlocks are made from the highest quality materials and have withstood the most rigorous testing procedures. ASSA padlocks are used in a wide variety of applications including storage rooms, perimeter fences, and armories.



Benefits:

- Sturdy design ensures maximum durability
- Class 2 available in key retaining and non-key retaining, extended shackle
- Shackle made of rust resistant case hardened steel
- Hockey Puck style shackleless design provides maximum protection against hacksaw and bolt cutter attacks
- Drain holes to prevent freezing
- No external screws or rivets

Technical Information:

- Class 2 body extruded brass, rust resistant case hardened steel shackle, tensile strength 1.5 tons. (Class 2 not recommended for exterior use)
- Class 2 convertible from key retaining to non-key retaining
- Class 3 body case hardened steel, rust resistant case hardened steel shackle, tensile strength 4.5 tons
- Hockey Puck style body can withstand up to 10,000 lbs of force from bolt cutters
- Stainless steel top pins
- Bottom pins and master pins are nickel silver

Warranty:

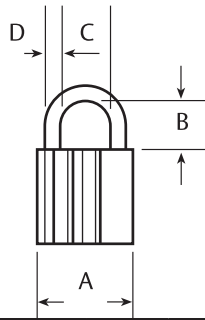
- ASSA warrants its cylinders against defective workmanship or wear resulting from defects for one year

Certification:

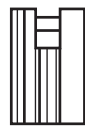
- All ASSA High Security Padlocks are U.L. 437 listed



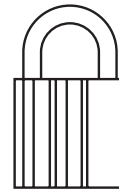
Padlocks



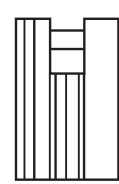
#2

#2
Extended
Shackle#2
Shrouded

#3

#3
Extended
Shackle

#4

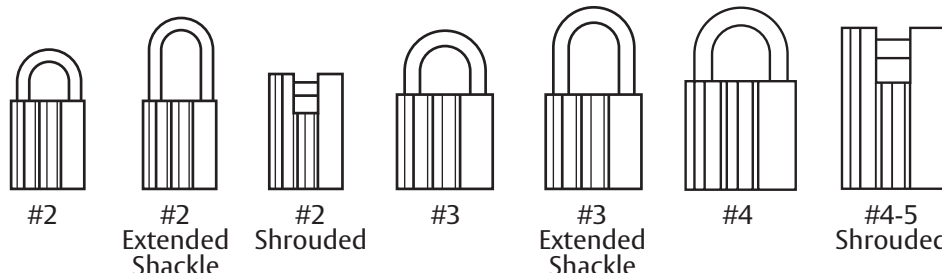
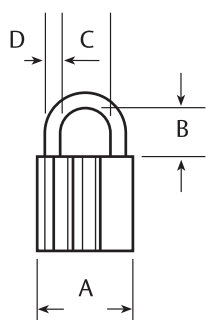
#4-5
Shrouded

Model#	Notes	Description	A	B	C	D	Comp	Sub	SNS
Maximum +									
98190B		No.2 Non-Key-Retaining	1.900	1.100	0.940	0.315	162.24	142.24	137.24
98190LB		No.2 Non-Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	167.65	147.65	142.65
98190SB		No.2 Non-Key-Ret. w/Shrouded Shackle	1.900	0.535	0.475	0.315	183.87	163.87	158.87
98191B		No.2 Key-Retaining	1.900	1.100	0.940	0.315	162.24	142.24	137.24
98191LB		No.2 Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	167.65	147.65	142.65
98391B		No.3 Key-Retaining	2.450	1.235	1.295	0.395	313.66	293.66	288.66
98391LB		No.3 Key-Retaining Ext. Shackle	2.450	1.875	1.295	0.395	324.48	304.48	299.48
98391SB		No.3 Key Ret. w/Shrouded Shackle	2.450	0.710	0.590	0.395	356.93	336.93	331.93
98491B		No.4 Key-Retaining	3.150	0.985	0.830	0.550	486.72	466.72	461.72
98591SB		No.5 Key Ret. w/Shrouded Shackle	3.150	0.985	0.830	0.550	519.17	499.17	494.17
Maximum + Restricted Padlocks									
R28190B		No.2 Non-Key-Retaining	1.900	1.100	0.940	0.315	118.98	98.98	—
R28190LB		No.2 Non-Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	129.79	109.79	—
R28190SB		No.2 Non-Key-Ret. w/Shrouded Shackle	1.900	0.535	0.475	0.315	140.61	120.61	—
R28191B		No.2 Key-Retaining	1.900	1.100	0.940	0.315	140.61	120.61	—
R28191LB		No.2 Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	146.02	126.02	—
R28391B		No.3 Key-Retaining	2.450	1.235	1.295	0.395	237.95	217.95	—
Twin Maximum									
88190B	CLIQ™	No.2 Non-Key-Retaining	1.900	1.100	0.940	0.315	162.24	142.24	137.24
88190LB	CLIQ™	No.2 Non-Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	167.65	147.65	142.65
88190SB	CLIQ™	No.2 Non-Key-Ret. w/Shrouded Shackle	1.900	0.535	0.475	0.315	183.87	163.87	158.87
88191B	CLIQ™	No.2 Key-Retaining	1.900	1.100	0.940	0.315	162.24	142.24	137.24
88191LB	CLIQ™	No.2 Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	167.65	147.65	142.65
88391B	CLIQ™	No.3 Key-Retaining	2.450	1.235	1.295	0.395	313.66	293.66	288.66
88391LB	CLIQ™	No.3 Key-Retaining Ext. Shackle	2.450	1.875	1.295	0.395	324.48	304.48	299.48
88391SB	CLIQ™	No.3 Key Ret. w/Shrouded Shackle	2.450	0.710	0.590	0.395	356.93	336.93	331.93
88491B	CLIQ™	No.4 Key-Retaining	3.150	0.985	0.830	0.550	486.72	466.72	461.72
88591SB	CLIQ™	No.5 Key Ret. w/Shrouded Shackle	3.150	0.985	0.830	0.550	519.17	499.17	494.17
Twin Exclusive									
E65190B		No.2 Non-Key-Retaining	1.900	1.100	0.940	0.315	194.69	174.69	169.69
E65190LB		No.2 Non-Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	205.50	185.50	180.50
E65190SB		No.2 Non-Key-Ret. w/Shrouded Shackle	1.900	0.535	0.475	0.315	216.32	196.32	191.32
E65191B		No.2 Key-Retaining	1.900	1.100	0.940	0.315	194.69	174.69	169.69
E65191LB		No.2 Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	205.50	185.50	180.50
E65391B		No.3 Key-Retaining	2.450	1.235	1.295	0.395	346.11	326.11	321.11
E65391LB		No.3 Key-Retaining Ext. Shackle	2.450	1.875	1.295	0.395	383.97	363.97	358.97
E65391SB		No.3 Key Ret. w/Shrouded Shackle	2.450	0.710	0.590	0.395	394.78	374.78	369.78
E65491B		No.4 Key-Retaining	3.150	0.985	0.830	0.550	540.80	520.80	515.80
E65591SB		No.5 Key Ret. w/Shrouded Shackle	3.150	0.985	0.830	0.550	594.88	574.88	569.88

CLIQ™ – Twin Maximum available with CLIQ™ Technology. Example: 88191B x CLIQ x 626 x Sidebar x Comp



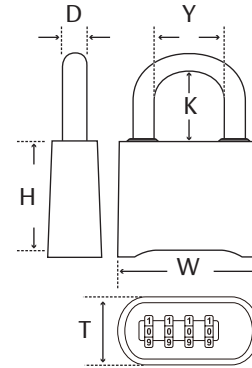
Padlocks



Model#	Notes	Description	A	B	C	D	Comp	Sub	SNS
Twin 6000 Classic									
65190B		No.2 Non-Key-Retaining	1.900	1.100	0.940	0.315	194.69	174.69	169.69
65190LB		No.2 Non-Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	205.50	185.50	180.50
65190SB		No.2 Non-Key-Ret. w/Shrouded Shackle	1.900	0.535	0.475	0.315	216.32	196.32	191.32
65191B		No.2 Key-Retaining	1.900	1.100	0.940	0.315	194.69	174.69	169.69
65191LB		No.2 Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	205.50	185.50	180.50
65391B		No.3 Key-Retaining	2.450	1.235	1.295	0.395	346.11	326.11	321.11
65391LB		No.3 Key-Retaining Ext. Shackle	2.450	1.875	1.295	0.395	383.97	363.97	358.97
65391SB		No.3 Key Ret. w/Shrouded Shackle	2.450	0.710	0.590	0.395	394.78	374.78	369.78
65491B		No.4 Key-Retaining	3.150	0.985	0.830	0.550	540.80	220.80	515.80
65591SB		No.5 Key Ret. w/Shrouded Shackle	3.150	0.985	0.830	0.550	594.88	574.88	569.88
Twin V-10									
V65190B		No.2 Non-Key-Retaining	1.900	1.100	0.940	0.315	194.69	174.69	169.69
V65190LB		No.2 Non-Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	205.50	185.50	180.50
V65190SB		No.2 Non-Key-Ret. w/Shrouded Shackle	1.900	0.535	0.475	0.315	216.32	196.32	191.32
V65191B		No.2 Key-Retaining	1.900	1.100	0.940	0.315	194.69	174.69	169.69
V65191LB		No.2 Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	205.50	185.50	180.50
V65391B		No.3 Key-Retaining	2.450	1.235	1.295	0.395	346.11	326.11	321.11
V65391LB		No.3 Key-Retaining Ext. Shackle	2.450	1.875	1.295	0.395	383.97	363.97	358.97
V65391SB		No.3 Key Ret. w/Shrouded Shackle	2.450	0.710	0.590	0.395	394.78	374.78	369.78
V65491B		No.4 Key-Retaining	3.150	0.985	0.830	0.550	540.80	520.80	515.80
V65591SB		No.5 Key Ret. w/Shrouded Shackle	3.150	0.985	0.830	0.550	594.88	574.88	569.88
Twin Pro									
61190B		No.2 Non-Key-Retaining	1.900	1.100	0.940	0.315	194.69	174.69	169.69
61190LB		No.2 Non-Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	205.50	185.50	180.50
61190SB		No.2 Non-Key-Ret. w/Shrouded Shackle	1.900	0.535	0.475	0.315	216.32	196.32	191.32
61191B		No.2 Key-Retaining	1.900	1.100	0.940	0.315	194.69	174.69	169.69
61191LB		No.2 Key-Retaining Ext. Shackle	1.900	2.035	0.940	0.315	205.50	185.50	180.50
61391B		No.3 Key-Retaining	2.450	1.235	1.295	0.395	346.11	326.11	321.11
61391LB		No.3 Key-Retaining Ext. Shackle	2.450	1.875	1.295	0.395	383.97	363.97	358.97
61391SB		No.3 Key Ret. w/Shrouded Shackle	2.450	0.710	0.590	0.395	394.78	374.78	369.78
61491B		No.4 Key-Retaining	3.150	0.985	0.830	0.550	540.80	520.80	515.80
61591SB		No.5 Key Ret. w/Shrouded Shackle	3.150	0.985	0.830	0.550	594.88	574.88	569.88

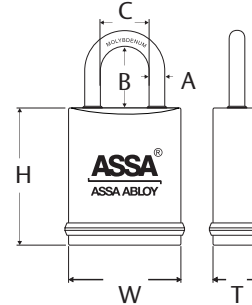


Padlocks



Combination Resettable Brass Padlock

Model#	Description	W	H	T	D	K	Y	MSRP	
SRB36	4-Dial Brass Combination Padlock 1" Shackle	1.875	1.6875	0.70312	0.3125	1.0	1.0	29.50	
SRB36D	4-Dial Brass Combination Padlock 1" Shackle Carded							29.50	
SRB37	4-Dial Brass Combination Padlock 2-1/4" Shackle					2.25		29.50	
SRB37D	4-Dial Brass Combination Padlock 2-1/4" Shackle Carded							29.50	



LFIC, KIK & SFIC Interchangeable Core Padlocks

Model#	Description	W	H	T	A	B	C	MSRP
AA-450/6-25-KIK	1-3/4" Wide Brass Body KIK (Schlage) Padlock with 1" Clearance & 1/4" Dia. Shackle	1.75	2.25	4/5	.25	1.0	.75	52.46
AA-450-25-KIK	1-3/4" Wide Brass Body KIK (Schlage) Padlock with 1" Clearance & 5/16" Dia. Shackle	1.75	2.25	4/5	.3125	1.0	.75	52.46
AA-500-25-KIK	2" Wide Brass Body KIK (Schlage) Padlock with 1" Clearance & 3/8" Dia. Shackle	2.0	2.25	4/5	.375	1.0	.75	62.19
AA-450/6-50-KIK	1-3/4" Wide Brass Body KIK (Schlage) Padlock with 2" Clearance & 1/4" Dia. Shackle	1.75	2.25	4/5	.25	2.0	.75	54.08
AA-450-50-KIK	1-3/4" Wide Brass Body KIK (Schlage) Padlock with 2" Clearance & 5/16" Dia. Shackle	1.75	2.25	4/5	.3125	2.0	.75	54.08
AA-500-50-KIK	2" Wide Brass Body KIK (Schlage) Padlock with 2" Clearance & 3/8" Dia. Shackle	2.0	2.25	4/5	.375	2.0	.75	64.63
AA-450-25-SFIC	1-3/4" Wide Brass Body SFIC Padlock with 1" Clearance & 5/16" Dia. Shackle	1.75	2.25	4/5	.3125	1.0	.75	52.46
AA-500-25-SFIC	2" Wide Brass Body SFIC Padlock with 1" Clearance & 3/8" Dia. Shackle	2.0	2.25	4/5	.375	1.0	.75	62.19
AA-450-50-SFIC	1-3/4" Wide Brass Body SFIC Padlock with 2" Clearance & 5/16" Dia. Shackle	1.75	2.25	4/5	.3125	2.0	.75	54.08
AA-500-50-SFIC	2" Wide Brass Body SFIC Padlock with 2" Clearance & 3/8" Dia. Shackle	2.0	2.25	4/5	.375	2.0	.75	64.63
AA-451-25-LFIC	1-3/4" Wide Brass Body LFIC (SCHLAGE) Padlock with 1" Clearance & 5/16" Dia. Shackle	1.75	2.25	4/5	.3125	1.0	.75	52.46
AA-451-50-LFIC	1-3/4" Wide Brass Body LFIC (SCHLAGE) Padlock with 2" Clearance & 5/16" Dia. Shackle	1.75	2.25	4/5	.3125	2.0	.75	62.19
AA-501-25-LFIC	2" Wide Brass Body LFIC (SCHLAGE) Padlock with 1" Clearance & 3/8" Dia. Shackle	2.0	2.25	4/5	.375	1.0	.75	54.08
AA-501-50-LFIC	2" Wide Brass Body LFIC (SCHLAGE) Padlock with 2" Clearance & 3/8" Dia. Shackle	2.0	2.25	4/5	.375	2.0	.75	64.63
AA-450-25-LFIC	1-3/4" Wide Brass Body LFIC (ASSA) Padlock with 1" Clearance & 5/16" Dia. Shackle	1.75	2.25	4/5	.3125	1.0	.75	52.46
AA-450-50-LFIC	1-3/4" Wide Brass Body LFIC (ASSA) Padlock with 2" Clearance & 5/16" Dia. Shackle	1.75	2.25	4/5	.3125	2.0	.75	62.19
AA-500-25-LFIC	2" Wide Brass Body LFIC (ASSA) Padlock with 2" Clearance & 3/8" Dia. Shackle	2.0	2.25	4/5	.375	2.0	.75	54.08
AA-500-50-LFIC	2" Wide Brass Body LFIC (ASSA) Padlock with 2" Clearance & 3/8" Dia. Shackle	2.0	2.25	4/5	.375	2.0	.75	64.63

AA-KIK-PDLCK-DRV - ASSA KIK Padlock Driver \$10.40.

AA-450-1.5 SHACKLE (1.5" Clearance & 5/16" Dia. Shackle for AA-450-25/50-XXXX Padlocks) \$12.10.

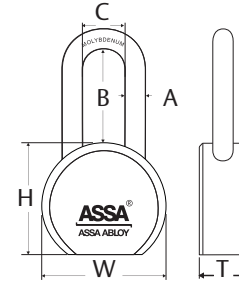
ASSA Technical Services, Inc.
6174 State Route 88, Finleyville, PA 15332

Office: 724-909-2112
Cell/Text: 703-283-6192

Fax: 413-677-7814
Email: Sales@assatechnicalservicesinc.com



Padlocks



KIK & SFIC High Security Solid Steel Interchangeable Core Padlocks

Model#	Description	W	H	T	A	B	C	MSRP
AA-900-KIK	Round Body Solid Steel KIK Padlock with 1" Shackle	2.625	2.375	1.0	.4375	1.125	.875	54.08
AA-900-SFIC	Round Body Solid Steel SFIC Padlock with 1" Shackle	2.625	2.375	1.0	.4375	1.0	.875	54.08
AA-902-KIK	Round Body Solid Steel KIK Padlock with 2" Shackle	2.625	2.375	1.0	.4375	2.125	.875	56.24
AA-902-SFIC	Round Body Solid Steel SFIC Padlock with 2" Shackle	2.625	2.375	1.0	.4375	2.0	.875	56.24

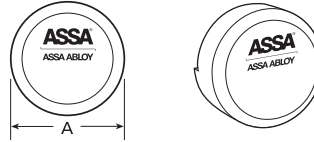
Padlock Cylinders Only

Model#	Notes	Description	Comp	Sub	SNS
Maximum +					
98911		Padlock Cylinder No. 2, 3, 4-5	105.46	97.96	90.96
Twin Maximum					
88911		Padlock Cylinder No. 2, 3, 4-5	110.59	103.09	96.09
Twin Exclusive					
E65911		Padlock Cylinder No. 2, 3, 4-5	114.92	107.42	100.42
Twin 6000 Classic					
65911		Padlock Cylinder No. 2, 3, 4-5	114.92	107.42	100.42
Twin V-10					
V65911		Padlock Cylinder No. 2, 3, 4-5	114.92	107.42	100.42
Twin Pro					
61911		Padlock Cylinder No. 2, 3, 4-5	114.92	107.42	100.42
600 Series Classic					
6911		Padlock Cylinder No. 2, 3, 4-5	112.49	103.49	—

– Twin Maximum available with CLIQ™ Technology.
Example: 88191B x CLIQ x 626 x Sidebar x Comp



Padlocks



“Hockey Puck” Shackle Less Padlock

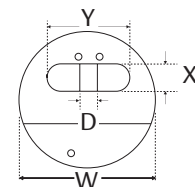
Model#	Notes	Description	A	Comp	Sub	SNS
Maximum +						
9840		Hockey Puck Style Padlock	2.875	196.80	185.80	180.80
9840 ATSI SS		Stainless Steel flat bottom Puck				
Twin Maximum						
8840		Hockey Puck Style Padlock	2.875	196.80	185.80	180.80
8840 ATSI SS		Stainless Steel flat bottom Puck				
Twin Exclusive						
E6540		Hockey Puck Style Padlock	2.875	196.80	185.80	180.80
E6540 ATSI SS		Stainless Steel flat bottom Puck				
Twin V-10						
V6540		Hockey Puck Style Padlock	2.875	196.80	185.80	180.80
6540 ATSI SS		Stainless Steel flat bottom Puck				
Twin Pro						
6140		Hockey Puck Style Padlock	2.875	196.80	185.80	180.80
6140 ATSI SS		Stainless Steel flat bottom Puck				
SFIC						
R28600SFIC		Stainless Steel flat bottom Puck	2.875	196.80	185.80	180.80

867048 — Hockey Puck Plate Screw \$0.27.

867049 — Hockey Puck Stop Plate \$1.13.

“Hockey Puck” Cylinders Only

Model#	Notes	Description	Comp	Sub	SNS
Maximum +					
98411		Hockey Puck Cylinder	104.10	96.60	89.60
Twin Maximum					
88411		Hockey Puck Cylinder	109.51	102.01	95.01
Twin Exclusive					
E65411		Hockey Puck Cylinder	113.57	106.07	99.07
Twin V-10					
V65411		Hockey Puck Cylinder	113.57	106.07	99.07
Twin Pro					
61411		Hockey Puck Cylinder	113.57	106.07	99.07



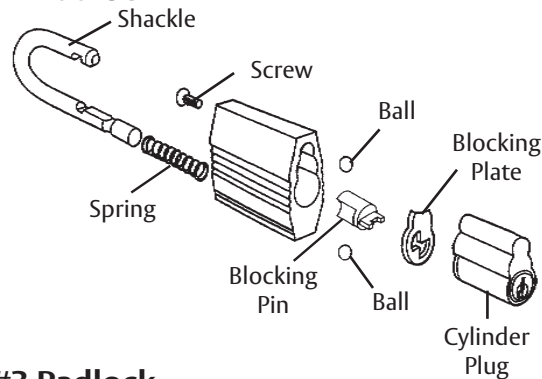
Dial Puck Lock – Shackle Less Resettable Combination

Model#	Description	W	D	X	Y	MSRP
AA-SR400	Resettable Dial Puck Lock 10,000 Combinations	2.875	.375	0.5	1.71875	108.16
AA-SR400-D	Resettable Dial Puck Lock 10,000 Combinations Visual Package	2.875	.375	0.5	1.71875	108.16

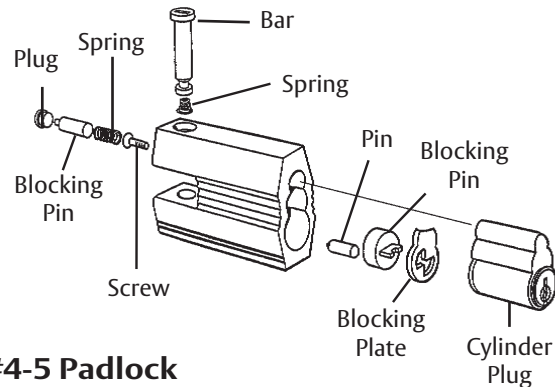


Padlocks

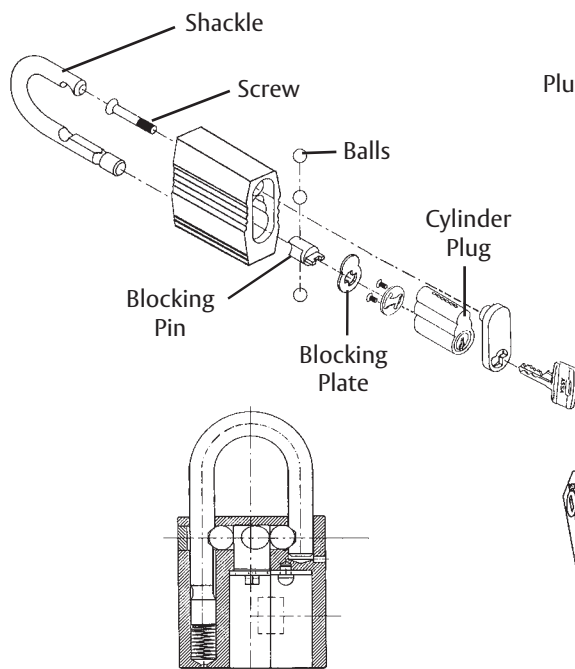
#2 Padlock



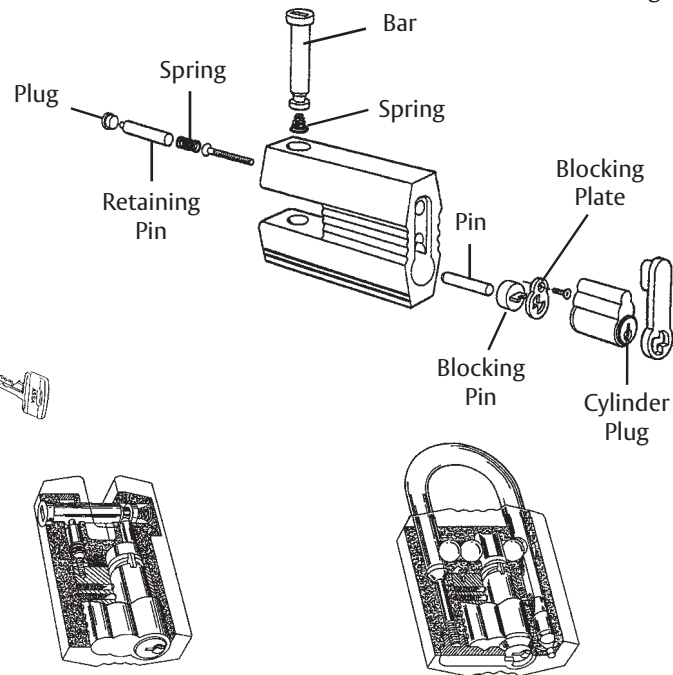
#2 Shrouded Padlock



#3 Padlock



#4-5 Padlock



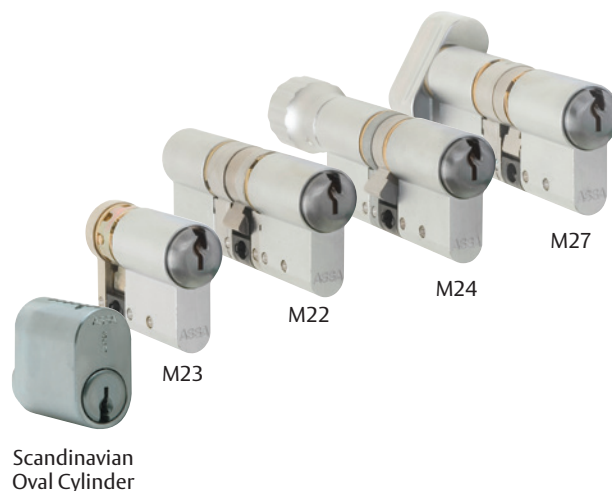
Padlock Component Parts

Model#	Description	Price
806898	No.2 Regular Shackle	41.05/ea
807217	No.2 Extended Shackle	43.91/ea
P250517	No.2 Shackle Spring	1.79/ea
806910	No.3 Padlock Shackle	52.68/ea
809387	No.2 Key-Retaining Blocking pin	6.81/ea
809388	No.2 Non-Key-Retaining Conversion Kit (Includes Blocking Pin/Spring/Tailpiece)	50.02/ea
P793810	No.2 Tailpiece Cam Screws	1.79/ea
867046	No.2 Tailpiece Washer	6.39/ea
P857300	No.2 Plate & No. 3 Plate	1.46/ea
803607	No.2 Locking Balls	1.46/ea
P793110	No.2 Cylinder Retaining Screw	1.79/ea
806913	No.3 Cylinder Retaining Screw	8.55/ea
803575	No.3 Locking Ball Bearings	2.76/ea
806911	No.3 Blocking Pin	32.88/ea
089280	No.3 Extended Shackle	52.29
353969	Twin V-10 Padlock Cylinder Plug	53.71
367018	Twin 6000 Classic Padlock Cylinder Plug (Specify Profile 50,52,61,62)	53.71
356071	Twin Exclusive / 6000 Classic Padlock Cylinder Plug (Specify Profile 51,851)	53.44
816068	Maximum+ / Twin Maximum Padlock Cylinder Plug (Specify Profile 0A7, 0M7)	69.76



European Cylinders

ASSA manufactures a variety of European cylinders including the Scandinavian oval and the Euro Din (M20 Series). Available for different door thicknesses and featuring a cam actuator, ASSA Euro Din cylinders can be used with many types of imported locksets and specialty hardware. All European cylinders can be keyed into any new or existing ASSA key system.



Benefits:

- Retrofits variety of European applications
- Two independent locking mechanisms to ensure security and optimum pick resistance
- Inactive “false” grooves on side pins designed to increase pick resistance

Technical Information:

- M20 Series available for different door thicknesses
- Cylinder housing and plug made of high quality brass
- Stainless steel top pins
- Bottom pins and master pins are nickel silver

Warranty:

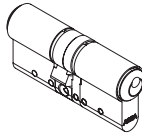
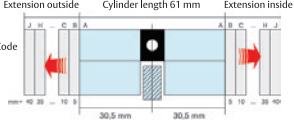
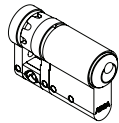
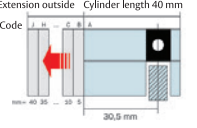
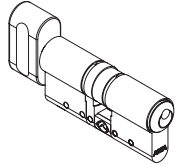
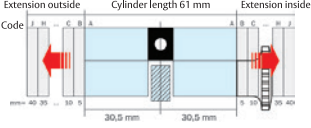
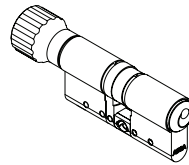
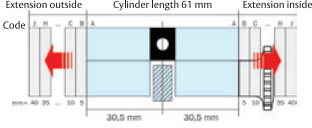
- ASSA warrants its products against defective workmanship or wear resulting from defects for one year

Finishes:

BHMA Symbol	U.S. Symbol	Description
626	US 26D	Satin Chrome
605	US 3	Bright Brass



ASSA M20 Cylinder – Master Key System

Double Cylinder	Single Cylinder	Cylinder, Design Turn	Cylinder, Narrow Profile Turn
 Extension outside (A= +0 mm) Cylinder shape Cylinder serie Extension inside (C=+10 mm) 61 M 22 A C Extension outside Cylinder length 61 mm Extension inside Code  XXM22/25	 Extension (C= +10 mm) Cylinder shape Cylinder serie 61 M 23 C Extension outside Cylinder length 40 mm Code  XXM23	 Extension outside (A= +0 mm) Cylinder shape Cylinder serie Extension inside (C=+10 mm) 61 M 27 A C Extension outside Cylinder length 61 mm Extension inside Code  XXM27	 Extension outside (A= +0 mm) Cylinder shape Cylinder serie Extension inside (C=+10 mm) 61 M 24 A C Extension outside Cylinder length 61 mm Extension inside Code  XXM24

Guideline for M20 EURO accessories
Location of lock cases, cylinders and accessories

1. Specification of M20 Cylinder/turn and accessories.
 - a) Measure the door thickness (A).
 - b) Measure the distance between the centre of the lock case and the security side of the door (B).
 - c) Measure the distance between the centre of the lock case and the inside of the door (C).
 - d) Add the thickness of the cylinder accessories to the B and C measurement. The result will be the length of the cylinder/turn.

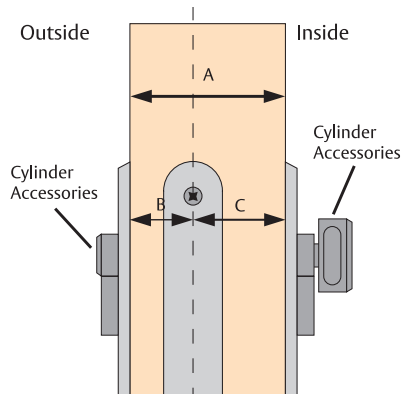


Table Measurement

Code	Length mm
A	+0
B	+5
C	+10
D	+15
E	+20
F	+25
G	+30
H	+35
I	+40
J	+45
K	+50
L	+55



Profile Cylinders

M20 Din Euro Profile Cylinders

Model#	Notes	Description	Comp	Sub	SNS
Maximum +					
98M27AA		Large Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
98M24AA		Small Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
98M22AA		Double Cylinder 61MM	325.88	298.88	286.88
98M23AA		Single Cylinder No Thumbturn 31MM	245.88	230.88	225.88
Twin Maximum					
88M27AA		Large Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
88M24AA		Small Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
88M22AA		Double Cylinder 61MM	325.88	298.88	286.88
88M23AA		Single Cylinder No Thumbturn 31MM	245.88	230.88	225.88
Twin Exclusive					
E65M27AA		Large Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
E65M24AA		Small Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
E65M22AA		Double Cylinder 61MM	325.88	298.88	286.88
E65M23AA		Single Cylinder No Thumbturn 31MM	245.88	230.88	225.88
Twin V-10					
V65M27AA		Large Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
V65M24AA		Small Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
V65M22AA		Double Cylinder 61MM	325.88	298.88	286.88
V65M23AA		Single Cylinder No Thumbturn 31MM	245.88	230.88	225.88
Twin 6000 Classic					
65M27AA		Large Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
65M24AA		Small Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
65M22AA		Double Cylinder 61MM	325.88	298.88	286.88
65M23AA		Single Cylinder No Thumbturn 31MM	245.88	230.88	225.88

– Twin Maximum available with CLIQ™ Technology. Example: 88M27 x **CLIQ** x **Comp**
Add \$600.00 per CLIQ cylinder

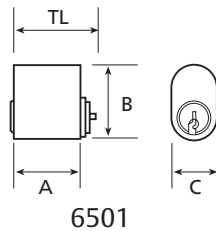
ADD \$5.00 for each additional letter size I.E. 98M27LL; **Comp:** 405.88 **Sub:** 400.88 **SNS:** 396.88



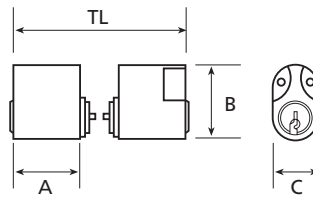
Scandinavian Oval Cylinders

Profile Cylinder Key:

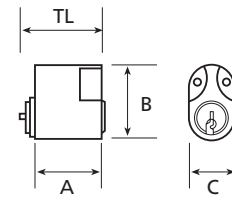
- TL** – Total Length
A – Cylinder Length
B – Cylinder Height
C – Cylinder Width



6501



6502



6503

Oval Cylinders

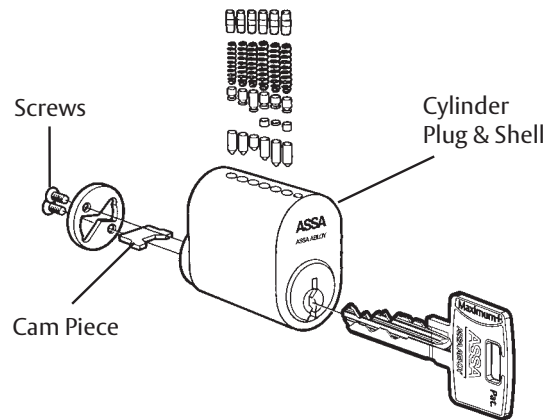
Model#	Notes	Description	TL	A	B	C	Comp	Sub	SNS
Maximum +									
9801		Oval, Outside	1.577	1.236	1.376	0.784	191.71	184.21	176.71
9801L		Oval, Outside for 505					207.40	199.40	192.40
9802		Oval, Double	N/A				391.54	378.04	361.54
9803		Oval, Inside	1.577				194.42	186.42	179.42
Twin Maximum									
8801		Oval, Outside	1.577	1.236	1.376	0.784	210.91	203.41	195.91
8801L		Oval, Outside for 505					228.22	220.22	213.22
8802		Oval, Double	N/A				430.75	417.25	400.75
8803		Oval, Inside	1.577				213.89	205.89	198.89
Twin Exclusive									
E6501		Oval, Outside	1.577	1.236	1.376	0.784	219.29	211.79	204.29
E6501L		Oval, Outside for 505					237.14	229.14	222.14
E6502		Oval, Double	N/A				448.32	434.82	418.32
E6503		Oval, Inside	1.577				222.54	214.54	207.54
Twin 6000 Classic									
6501		Oval, Outside	1.577	1.236	1.376	0.784	219.29	211.79	204.29
6501L		Oval, Outside for 505					237.14	229.14	222.14
6502		Oval, Double	N/A				448.32	434.82	418.32
6503		Oval, Inside	1.577				222.54	214.54	207.54
Twin V-10									
V6501		Oval, Outside	1.577	1.236	1.376	0.784	219.29	211.79	204.29
V6501L		Oval, Outside for 505					237.14	229.14	222.14
V6502		Oval, Double	N/A				448.32	434.82	418.32
V6503		Oval, Inside	1.577				222.54	214.54	207.54
600 Series Classic									
601		Oval, Outside	1.577	1.236	1.376	0.784	172.24	163.24	—
601L		Oval, Outside for 505					193.61	183.61	—
602		Oval, Double	N/A				377.21	358.21	—
603		Oval, Inside	1.577				184.95	175.95	—

CLIQ – Twin Maximum available with CLIQ™ Technology. Example: 8801 x CLIQ x Comp

NOTE: Oval cylinders do not include cylinder rings, mounting screws or other trim.



Scandinavian Oval Cylinders



Oval Cylinder Parts

Model#	Description	Price
Maximum+ / Twin Maximum		
867064	Oval Cyl. Housing, Outside	61.97
867110	Oval Cyl. Housing, Inside	78.31
816068 †	Oval Cylinder Plug	69.76
Twin Exclusive / 6000 Classic		
867064	Oval Cyl. Housing, Outside	61.97
867110	Oval Cyl. Housing, Inside	78.31
356071 †	Oval Cylinder Plug (Specify Profile)	53.44
Twin V-10		
867064	Oval Cyl. Housing, Outside	61.97
867110	Oval Cyl. Housing, Inside	78.31
353969	Oval Cylinder Plug	53.44

† – Specify Profile

Oval Cylinder Adapters

Model#	Description	Price
803170	Oval Outside Cylinder Adapter, for Schlage KIK/KIL Cylinder	130.00
803171	Oval Inside Cylinder Adapter, for Schlage KIK/KIL Cylinder	130.00
804215-S	Short Schlage Adapter Tailpiece (Will fit 505 function)	25.00
804215-M	Medium Schlage Adapter Tailpiece (Will fit 505 function)	27.00
804215-L	Long Schlage Adapter Tailpiece (Will fit 505 function)	30.00



Pin Kits, Tools & Accessories

ASSA provides all the necessary tools for both the retail and institutional locksmith to service and maintain our locks in the field. We offer several sizes of pinning kits from large, full service kits designed for the shop environment to smaller, convenient kits appropriate for service calls.

Also available are high quality key cutting equipment, all approved ASSA cylinder lubricants.



MPK Master Pin Kit

Item Number	Description	Quantity	Price Per Kit
353838	Left Side Pin V-10	50	1,898.00
359654	Twin-Max Sidepin Left		
362808	Corbin RC Cover Strip	10	
806263	Db Plastic Thumbturn Guide	2	
806346	Top Closing Screws	25	
807164	V-10/T Pro Spring For Side Bar	100	
807165	V-10/T Pro Sidepin Springs		
807401	RC C-Ring	4	
807402	RC Cover Slide	15	
807403	RC Cam Adapter	2	
807404	RC Wave Washer	10	
807405	RC Rubber Stop	6	
809312	IC Core Plug Spacer Washer		
809314	Master Pin 9, IC Core Cylinders	100	
809315	Master Pin 10, IC Core Cylinders		
809316	Master Pin 11, IC Core Cylinders		
809317	Master Pin 12, IC Core Cylinders		
809318	Master Pin 13, IC Core Cylinders		
809319	Master Pin 14, IC Core Cylinders		
809320	Master Pin 15, IC Core Cylinders		
809321	Master Pin 16, IC Core Cylinders		
809322	Master Pin 17, IC Core Cylinders		
809328	Top Pin 2, IC Core Cylinders		
809329	Top Pin 3, IC Core Cylinders		

Continued on next page



Pin Kits, Tools & Accessories

MPK Master Pin Kit (Continued)

Item Number	Description	Quantity	Price Per Kit
809330	Top Pin 4, IC Core Cylinders	100	1,898.00
809331	Top Pin 5, IC Core Cylinders		
809332	Top Pin 6, IC Core Cylinders		
809333	Top Pin 7, IC Core Cylinders		
809334	Top Pin 8, IC Core Cylinders		
809335	Top Pin 9, IC Core Cylinders		
809336	Top Pin 10, IC Core Cylinders		
809340	IC Core Chamber Springs (1-4)		
816080	Twin-Pro Sidepin	50	
867015	Side Pin, ASSA Twin		
867065	600/Twin Pin Chamber Springs	100	
807261	Top Pin A, Twin & 600		
807262	Top Pin B, Twin & 600		
807263	Top Pin C, Twin & 600		
807264	Top Pin D, Twin & 600		
867070	Master Pin 1, Twin & 600		
867071	Master Pin 2, Twin & 600		
867072	Master Pin 3, Twin & 600		
867073	Master Pin 4, Twin & 600		
867074	Master Pin 5, Twin & 600		
867075	Master Pin 6, Twin & 600		
867076	Master Pin 7, Twin & 600		
867077	Master Pin 8, Twin & 600		
867078	Bottom Pin 1, Twin & 600		
867079	Bottom Pin 2, Twin & 600		
867080	Bottom Pin 3, Twin & 600		
867081	Bottom Pin 4, Twin & 600		
867082	Bottom Pin 5, Twin & 600		
867083	Bottom Pin 6, Twin & 600		
867084	Bottom Pin 7, Twin & 600		
867085	Bottom Pin 8, Twin & 600		
867086	Bottom Pin 9, Twin & 600		
867087	Twin Spring For Side Pin		
867088	Twin Spring For Side Bar		
867090	Std Tail Piece Screw Twin/600	25	
867445	Cam, Adams Rite 600/Twin	2	
867446	Cam, Clover Leaf 600/Twin		
867447	Cam, Beaver Tail 600/Twin		
867452	Cam, Sargent 600/Twin		
867453	Cam, Schlage		
868141	M/R Cover Strip 600/Twin	50	
868624	Rollpin Corbin/4—Sargent/2	10	
868958	Schlage Plug Cap	4	
868959	Schlage KIK Plug Cap Spring		
868960	Schlage KIK Plug Cap Pin		
872610	Cam, Standard 600/Twin	2	
900257	Yale Tailpiece Roll Pin	10	



Pin Kits, Tools & Accessories

PK-1 Pin Kit

Item Number	Description	Quantity	Price Per Kit
353838	Left Side Pin V-10	50	1,084.72
359654	Twin-Max Sidepin Left		
807164	V-10/T Pro Spring For Side Bar	100	
807165	V-10/T Pro Sidepin Springs		
816080	Twin-Pro Sidepin	50	
867015	Side Pin, ASSA Twin		
867065	600/Twin Pin Chamber Springs	500	
807261	Top Pin A, Twin & 600	100	
807262	Top Pin B, Twin & 600		
807263	Top Pin C, Twin & 600		
807264	Top Pin D, Twin & 600		
867070	Master Pin 1, Twin & 600		
867071	Master Pin 2, Twin & 600		
867072	Master Pin 3, Twin & 600		
867073	Master Pin 4, Twin & 600		
867074	Master Pin 5, Twin & 600		
867075	Master Pin 6, Twin & 600		
867076	Master Pin 7, Twin & 600		
867077	Master Pin 8, Twin & 600		
867078	Bottom Pin 1, Twin & 600		
867079	Bottom Pin 2, Twin & 600		
867080	Bottom Pin 3, Twin & 600		
867081	Bottom Pin 4, Twin & 600		
867082	Bottom Pin 5, Twin & 600		
867083	Bottom Pin 6, Twin & 600		
867084	Bottom Pin 7, Twin & 600		
867085	Bottom Pin 8, Twin & 600		
867086	Bottom Pin 9, Twin & 600		
867087	Twin Spring For Side Pin		
867088	Twin Spring For Side Bar		
867090	Standard Tail Piece Screw Twin/600		
868141	M/R Cover Strip 600/Twin		



Pin Kits, Tools & Accessories

PK-IC Interchangeable Core Pin Kit

Item Number	Description	Quantity	Price Per Kit
362808	Corbin RC Cover Strip	10	1,017.03
807401	RC C-Ring	50	
807402	RC Cover Slide		
807405	RC Rubber Stop		
809312	IC Core Plug Spacer Washer		
809314	Master Pin 9, IC Core Cylinders	100	
809315	Master Pin 10, IC Core Cylinders		
809316	Master Pin 11, IC Core Cylinders		
809317	Master Pin 12, IC Core Cylinders		
809318	Master Pin 13, IC Core Cylinders		
809319	Master Pin 14, IC Core Cylinders		
809320	Master Pin 15, IC Core Cylinders		
809321	Master Pin 16, IC Core Cylinders		
809322	Master Pin 17, IC Core Cylinders		
809328	Top Pin 2, IC Core Cylinders		
809329	Top Pin 3, IC Core Cylinders		
809330	Top Pin 4, IC Core Cylinders		
809331	Top Pin 5, IC Core Cylinders		
809332	Top Pin 6, IC Core Cylinders		
809333	Top Pin 7, IC Core Cylinders		
809334	Top Pin 8, IC Core Cylinders		
809335	Top Pin 9, IC Core Cylinders		
809336	Top Pin 10, IC Core Cylinders		
809340	IC Core Chamber Springs (1-4)	200	

PK-Cam Pin Kit

Item Number	Description	Quantity	Price Per Kit
807402	RC Cover Slide	50	169.64
809328	Top Pin 2, IC Core Cylinders		
809329	Top Pin 3, IC Core Cylinders		
809330	Top Pin 4, IC Core Cylinders		
809331	Top Pin 5, IC Core Cylinders		
809332	Top Pin 6, IC Core Cylinders		
809333	Top Pin 7, IC Core Cylinders		
809334	Top Pin 8, IC Core Cylinders		
809335	Top Pin 9, IC Core Cylinders		
809340	IC Core Chamber Springs (1-4)		

SFIC Pin Kit

Item Number	Description	Price Per Kit
PK-SFIC	Small Format Interchangeable Core Pin Kit	1,080.56

MAX Pin Kit

Item Number	Description	Price Per Kit
PK-MAX	Maximum+ Pin Kit	1,080.56



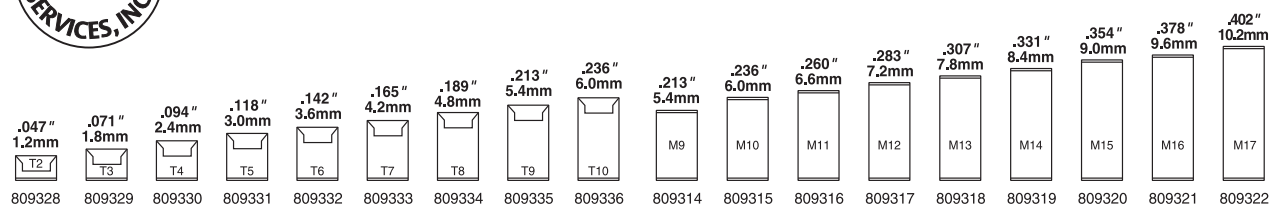
Pin Kits, Tools & Accessories

PKMM Pin Kit

Item Number	Description	Quantity	Price Per Kit
807164	V-10/T Pro Spring For Side Bar	25	237.36
867065	600/Twin Pin Chamber Springs		
807261	Top Pin A, Twin & 600		
807262	Top Pin B, Twin & 600		
807263	Top Pin C, Twin & 600		
807264	Top Pin D, Twin & 600		
867070	Master Pin 1, Twin & 600		
867071	Master Pin 2, Twin & 600		
867072	Master Pin 3, Twin & 600		
867073	Master Pin 4, Twin & 600		
867074	Master Pin 5, Twin & 600		
867075	Master Pin 6, Twin & 600		
867076	Master Pin 7, Twin & 600		
867077	Master Pin 8, Twin & 600		
867078	Bottom Pin 1, Twin & 600		
867079	Bottom Pin 2, Twin & 600		
867080	Bottom Pin 3, Twin & 600		
867081	Bottom Pin 4, Twin & 600		
867082	Bottom Pin 5, Twin & 600		
867083	Bottom Pin 6, Twin & 600		
867084	Bottom Pin 7, Twin & 600		
867085	Bottom Pin 8, Twin & 600		
867086	Bottom Pin 9, Twin & 600		
867088	Twin Spring For Side Bar		
867090	Std Tail Piece Screw Twin/600		



Pin Kits, Tools & Accessories



Interchangeable Core Parts

Model#	Notes	Description	Pkg. Qty.	Price
354023		Control Sleeve		64.95/ea
359058		Maximum+ and Twin Maximum Inner Plug (Specify 0A7, 0M7)		59.05
353213	*	IC Inner Plug (Specify Profile 51, 851)		58.78/ea
353968	*	V-10 IC Inner Plug		45.65/ea
807401		IC C-Ring		1.52/ea
807402		IC& Cam Lock Cover Slide		2.70/ea
807403		IC Cam Adapter		48.99/ea
807404		IC Wave Washer		2.22/ea
807405		IC Rubber Stop		3.31/ea
810695	*	IC Core (Figure-8) Housing		99.51/ea
807411	*	IC Mortise/Rim Housing		120.60/ea
809340		IC Core Chamber Spring (1st Four Chambers)	100	41.00/pk
809312		IC Plug Spacer Washer		1.62/ea

*Indicate product finish.

Top Pins for IC Core and Cam Locks Cyls. Only

Model#	Description	Pkg. Qty.	Price
809328	Top Pin #2	100	41.00/pk
809329	Top Pin #3		41.00/pk
809330	Top Pin #4		41.00/pk
809331	Top Pin #5		41.00/pk
809332	Top Pin #6		41.00/pk
809333	Top Pin #7		41.00/pk
809334	Top Pin #8		41.00/pk
809335	Top Pin #9		41.00/pk
809336	Top Pin #10		41.00/pk

Master Pins (Build Up) for IC Core Cyls. Only

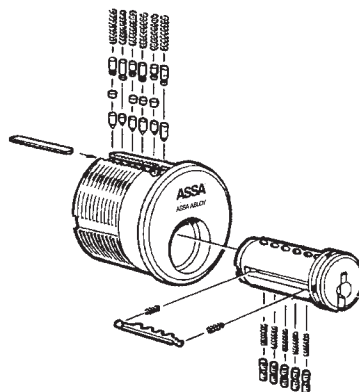
Model#	Description	Pkg. Qty.	Price
809314	Master Pin #9	100	44.00/pk
809315	Master Pin #10		44.00/pk
809316	Master Pin #11		44.00/pk
809317	Master Pin #12		44.00/pk
809318	Master Pin #13		44.00/pk
809319	Master Pin #14		44.00/pk
809320	Master Pin #15		44.00/pk
809321	Master Pin #16		44.00/pk
809322	Master Pin #17		44.00/pk

SFIC Pin Parts

Model#	Description	Pkg. Qty.	Price
909001	SFIC Bottom Pin # 1	100	11.00/pk
909002	SFIC Bottom Pin # 2		11.00/pk
909003	SFIC Bottom Pin # 3		11.00/pk
909004	SFIC Bottom Pin # 4		11.00/pk
909005	SFIC Bottom Pin # 5		11.00/pk
909006	SFIC Bottom Pin # 6		11.00/pk
909007	SFIC Bottom Pin # 7		11.00/pk
909008	SFIC Bottom Pin # 8		11.00/pk
911001	SFIC Master Pin #1		10.00/pk
911002	SFIC Master Pin #2		10.00/pk
911003	SFIC Master Pin #3		10.00/pk
911004	SFIC Master Pin #4		10.00/pk
911005	SFIC Master Pin #5		10.00/pk
911006	SFIC Master Pin #6		10.00/pk
911007	SFIC Master Pin #7		10.00/pk
911008	SFIC Master Pin #8		10.00/pk
911009	SFIC Master Pin #9		10.00/pk
911010	SFIC Master Pin #10		10.00/pk
911011	SFIC Master Pin #11		10.00/pk
911012	SFIC Master Pin #12		10.00/pk
809340	Chamber Springs		41.00/pk
910013	Caps		11.00/pk



Pin Kits, Tools & Accessories



Sidebars

Model#	Description	Price
267008	Sidebar (Specify Side Code) Minimum order 25 pieces	13.69 each

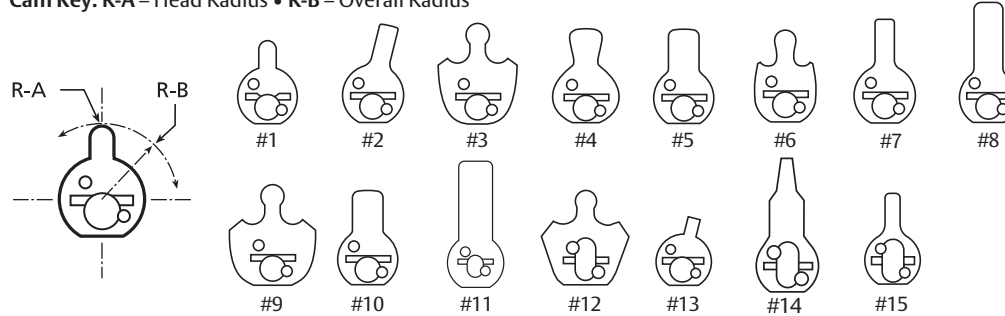
Pins, Spring & Closers

Model#	Description	Pkg. Qty.	Price
807261	Driver Pin 1-2 (A)	100	44.00/pk
807262	Driver Pin 3-4 (B)		44.00/pk
807263	Driver Pin 5-6 (C)		44.00/pk
807264	Driver Pin 7-8-9 (D)		44.00/pk
867070	Master Pin 1		44.00/pk
867071	Master Pin 2		44.00/pk
867072	Master Pin 3		44.00/pk
867073	Master Pin 4		44.00/pk
867074	Master Pin 5		44.00/pk
867075	Master Pin 6		44.00/pk
867076	Master Pin 7		44.00/pk
867077	Master Pin 8		44.00/pk
867078	Bottom Pin 1		44.00/pk
867079	Bottom Pin 2		44.00/pk
867080	Bottom Pin 3		44.00/pk
867081	Bottom Pin 4		44.00/pk
867082	Bottom Pin 5		44.00/pk
867083	Bottom Pin 6		44.00/pk
867084	Bottom Pin 7		44.00/pk
867085	Bottom Pin 8		44.00/pk
867086	Bottom Pin 9		44.00/pk
867065	Cylinder Springs		44.00/pk
867015	Twin Side Pins	50	98.50/pk
353838	V-10 Left Hand Side Pins		78.00/pk
359654	Maximum+ / Twin Maximum Left Hand Side Pins		84.00/pk
816080	Twin Pro Side Pins	100	92.50/pk
807164	Maximum+ / Twin Maximum / V-10 Sidebar Springs		28.00/pk
807165	Maximum+ / Twin Maximum / V-10 Sidepin Springs		28.00/pk
867087	Twin Sidepin Springs		30.00/pk
867088	Twin Sidebar Springs		30.00/pk
868141	Pin Chamber Closing Strips, Mort, Rim, KIK		98.00/ea
867093	Closing Plugs, Oval Cylinders		16.00/pk
806346	Top Closing Screw		153.00/pk

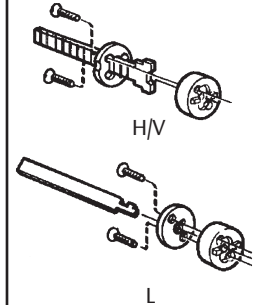


Pin Kits, Tools & Accessories

Cam Key: R-A – Head Radius • R-B – Overall Radius



Tailpieces



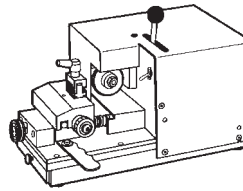
Cams & Tailpieces

Model#	Description	R-A	R-B	Pkg. Qty.	Price
867445	#1 Adams Rite Cam	0.118	0.555		8.16/ea
867452	#2 Sargent Cam	N/A	0.709		8.16/ea
867446	#3 Corbin Clover Leaf Cam	0.114	0.602		8.16/ea
867447	#4 Corbin Beaver Tail Cam	N/A	0.732		9.19/ea
872610	#5 Yale/Standard Cam	N/A	0.709		8.16/ea
867453	#6 Schlage "L" Cam	0.124	0.516		19.69/ea
805412	#7 Segal Type Cam	N/A	0.779		19.69/ea
806471	#8 Jumbo Corbin Cam	N/A	0.914		19.69/ea
907306	#9 Best 30H Series	0.114	0.602		20.28/ea
353445	#10 Airteq/Norment Cam	N/A	0.787		7.89/ea
809337	#11 Airteq/Norment Mogul Cam	N/A	1.165		21.04/ea
354945	#12 Corbin Jumbo Clover Leaf Cam	0.114	0.828		21.04/ea
355849	#13 Sargent Short Cam	N/A	0.515		21.04/ea
355850	#14 Sargent Mogul	N/A	1.043		21.04/ea
872612	#15 Yale Replacement Cam	0.308	0.742		19.69/ea
867450	Horizontal & Vertical Rim Tailpiece kit				26.99/ea
867451	Lazy-motion Rim Tailpiece kit				26.99/ea
868958	Schlage KIK Plug Cap			10	41.60/pk
868959	Schlage KIK Plug Cap Spring			100	152.00/pk
868960	Schlage KIK Plug Cap Pin				146.00/pk
804877	Schlage Break-off Tailpiece			10	84.30/pk
868654	Corbin New Style Standard-duty Tailpiece			100	47.00/pk
868624	Rollpin - Corbin			10	14.60/pk
868231	Cylinder Plug Retaining Ring			100	152.00/pk
900250	Sargent 6-line, Arrow Tailpiece (short)				4.49/ea
900251	Sargent 6-line, Arrow Tailpiece (long)				4.49/ea
900252	Sargent 6-line, Arrow Tailpiece retaining ring				1.46/ea
900253	Sargent/Arrow Tailpiece (Med.)				3.79/ea
900254	Sargent 11-line T-Zone Tailpiece				8.43/ea
900256	Yale Key-In-Lever Tailpiece				11.19/ea
900257	Yale Key-In-Lever Roll Pin				4.16/ea
867046	Tailpiece Washer			50	319.50/pk
867090	Phillips Screws for Cams, Mortise & Oval Tailpiece			100	62.00/pk
868138	Slotted Screws for Rim Tailpiece				222.00/pk
868134	Tail Extension for Rim Cylinder				19.47/ea
867109	Break-off Tailpiece for V/H Rim Cylinder				11.85/ea
868136	Lazy Motion Tailpiece for Rim Cylinder				11.52/ea
867454	Sargent RC Tailpiece (7 Line Lever)				17.36/ea
867455	Sargent RC Tailpiece (10 Line Lever)				17.36/ea
867456	Sargent RC Tailpiece (11 Line Lever)				17.36/ea
ATSI 3700	ASSA Cam Kit				790.50



Pin Kits, Tools & Accessories

Positive Stop
Code Machine
PS6000T



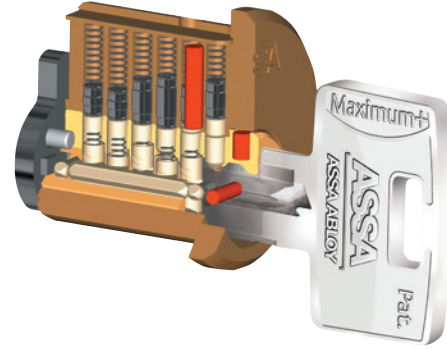
Pin Kits & Tools

Model#	Description	Price
PK-1	Pin Kit No.1 Full-Size Standard Kit for Twin	1,084.72
PK-IC	Pin Kit-Interchangeable Core Upgrade	1,017.03
PK-MM	Micro Mini Pin Kit	237.36
PK-CAM	PK Cam Lock Upgrade	169.64
MPK	Master Pinning Kit Twin & IC	1,898.00
869018	Twin Series Cutter Wheel for HPC Code Max CM90Z/.032"	672.11
869017	Twin Series Framon Cutter Wheel	578.17
867056	Cutter Wheel for PS-7000R	781.94
KXASDC	Depth Cam for KX-1 ASSA	220.11
KXASSC	Space Cam for KX-1 ASSA	220.11
KXAS01	Cam Set for KX-1	470.23
KXAS02	Cam Set Plus Vise	794.44
KXAS03	Cam Set Plus Cutter	1,012.06
KXAS04	Cam Set (Cutter Vise)	1,372.80
F2SH050A	ASSA Vise	361.52
807718	ASSA Lock Spray Lubricant	25.91
816296	ASSA Lock Spray Cleaner/De-Icer	25.91
PL872630	ASSA Maximum+ Cutaway	298.20
PS-6000T	Positive Stop Code Key Machine	7,936.24
907200	PK-1 Pin Kit Box Only	239.68
907205	PK-IC Pin Kit Box IC Only	246.93
907206	MPK Pin Kit Box Only	327.18
907207	Micro Mini Pin Kit Box Only	109.24
907208	Pin Kit Cam Lock Upgrade Box Only	109.24
907009	Clear Deadbolt Mounting Ring	26.12
SGTRCTOOL	Shearing Tool for Sargent style Interchangeable Core	495.15
CRRCTOOL	Shearing Tool for Corbin Russwin style Interchangeable Core	495.15
KD-98	ASSA Key Gauge	47.69
907044	ASSA Plug Follower	7.35
907046	ASSA Screwdriver	20.72
900800	SFIC Ejector Tool	47.05
STAMPING	Key Stamping/Serialization	5.20
DND	DO NOT DUPLICATE Key Stamping	5.20
STMP-CORE	Concealed IC Stamping	8.65
MKC	Master Key Upcharge	18.98
KBC	Key Blank Credit	-7.15
907060	ASSA Pinning Mat	27.04



Care & Maintenance for ASSA Cylinders & Keys

ASSA products are the highest quality cylinder products on the market today. The following information for maintaining proper condition of your ASSA cylinders and keys will insure the best performance for you and your clients.



Make sure that all key cutting equipment is properly calibrated in accordance to ASSA manufacturer specification. This is the first consideration in the proper performance of ASSA cylinders. Regularly inspect keys in use and replace any keys that show physical wear immediately.

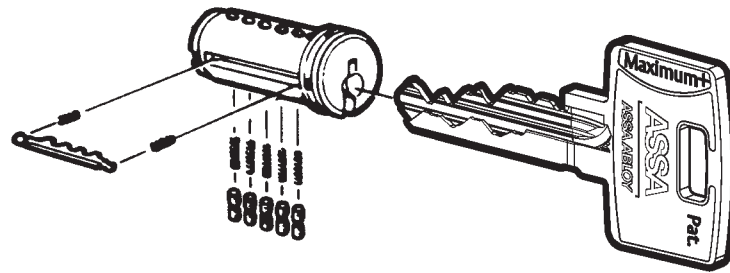
ASSA cylinders are mechanical devices and like any mechanical device they need regular preventive maintenance. At the time of installation cylinders must be lubricated with ASSA approved lubricant. ASSA recommends part #807718-ASSA Lock Spray Lubricant. Wipe off any excess lubricant on exposed surfaces. Cleaning and lubricating the lock mechanism that the ASSA cylinder is being installed into is important as well. ASSA cylinders should be lubricated at least twice a year as normal maintenance.

- **Do not use graphite or silicone lubricants. Use only ASSA approved lubricants.**
- **Do not expose ASSA cylinders to chemical wash.**
- **Do not paint any cylinder surfaces.**

Do not over lubricate ASSA cylinders. If you suspect cylinder has been over lubricated or suspect excessive dirt or other particles or debris, thoroughly flush with ASSA cleaner de-icer or use an alcohol base electrical contact cleaner that leaves no residue. Let dry or dry with compressed air then re-lubricate with ASSA approved lubricant.



Technical Information



Basic Cylinder Assembly

Step One. Invert the cylinder plug and place the side pin springs in the side pin holes. Insert the side pins.

NOTE! The side pins are all identical. It is imperative that the springs locate correctly or the cylinder will malfunction.

Step Two. With the cylinder still inverted, insert a key with the correct side code to hold the side pins in place.

Step Three. Position the short sidebar springs at each end of the sidebar slot.

NOTE! It is imperative that the springs are located in the prepared holes.

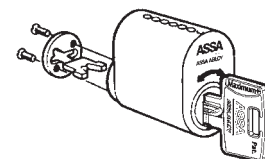
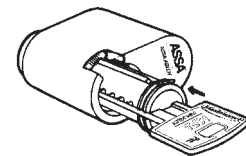
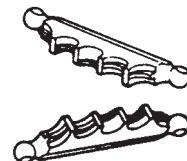
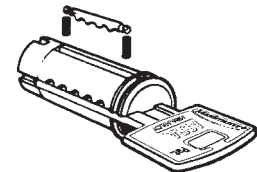
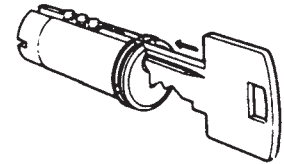
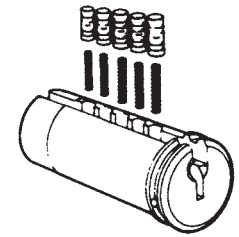
Step Four. Lay the sidebar in the slot so that the fences correspond to the opening gates in the side pins. It should now be possible to press the sidebar down in its slot so that it is flush with the outer face of the cylinder plug.

NOTE! The key should remain in the cylinder plug during this operation.

Step Five. Place the cylinder plug in the cylinder house. If the sidebar is fitted correctly, the cylinder plug can now be turned within the shell. Hold the cylinder plug in place when withdrawing the key.

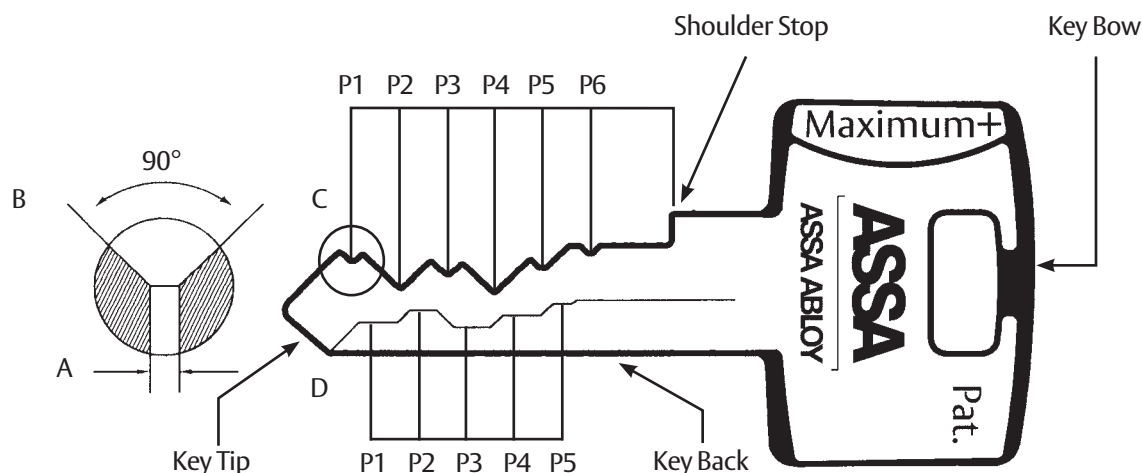
Step Six. Fit the tailpiece and secure.

Note: Cylinder plug diameter is .510".





Technical Information



A. 0.8mm (0.032") wide flat base.

B. 90° cutting angle.

C. The six top cut positions are counted from tip to bow at nine depths of cut.

D. The five side cut positions are counted from tip to bow at five depths of cut and are restricted to factory production only.

The chart below only references top cut spacing.

Measurement	P1	P2	P3	P4	P5	P6
mm	25.7	21.9	18.1	14.3	10.5	6.7
Inch	1.0118	0.8622	0.7126	0.5630	0.4134	0.2638
Tolerance	+0.02 / -0.03mm +0.0008 / -0.0012					

General Rules

The cut depth should be measured from the back of the key to the bottom of the cut.

Spacing is calculated from the shoulder of the key.

The key combinations are cut from the tip of the key towards the bow.

The system code must be cut at 90° cutting angle and a 0.8mm (0.032") wide flat base.

No.1 cut is deepest cut, no. 9 is shallowest.

Maximum Adjacent Cut Specification (MACS) = 5.

Example: 1 cut adjacent to 6 cut is acceptable.
1 cut adjacent to 7, 8, or 9 cut NOT acceptable.

Depths: Key Combinations		
Normal depths for key combinations		
Depths:	mm	Inch
N0. 1	4.03	0.1587
N0. 2	4.63	0.1823
N0. 3	5.23	0.2059
N0. 4	5.83	0.2295
N0. 5	6.43	0.2531
N0. 6	7.03	0.2768
N0. 7	7.63	0.3004
N0. 8	8.23	0.3240
N0. 9	8.83	0.3476
Measure from back of key to bottom of cut		
Tolerance	+ 0.00 - 0.04mm	
	+0.00" - .0016"	

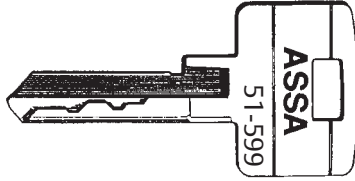


Technical Information

Ordering:

When ordering key blanks, the profile and geographically assigned code must be stated.

A. Side bar Code is cut at ASSA Factory only. Key blanks are provided as shown.



B. Side bar code/profile can be identified on key bow. Example: for Twin 6000 Series, 51-599; there are 5 different profiles in the ASSA Twin 6000 Series which are; 50, 51, 52, 61, and 62.



Key Stamping:

All new key blanks and cut keys will be stamped as original from factory in accordance with assigned keyway.



Maximum+
Profile 0A7



Maximum+ SFIC
Profile 0B7



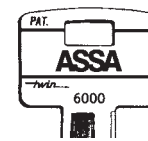
Twin Maximum
Profile 0M7



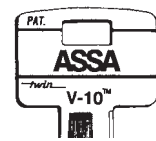
Twin Pro
Profile 0P4



Twin Exclusive
Profile 851



Twin 6000
Profiles
50, 51, 52, 61, 62



Twin V-10
Profile 95

Key Cutting:

Key combination can be cut on many code machines and duplicating machines. Code cutting machines historically, produce better keys than Key-duplicating machines. The ASSA key is a quality key. ASSA recommends quality cutters. ASSA supplies cutting wheels for the HPC 1200 CM and Code Max code machine as well as cutters, vises, and cams for Framon KX1.

ASSA Recommended Code Machines:

- ASSA PS-6000T (Made by Framon)
- Any Framon Machine designed to cut ASSA Twin and Max+ Series keys
- Silca Ultra Code 199
- HPC Code Max
- ITL 9700 Series Code Machine

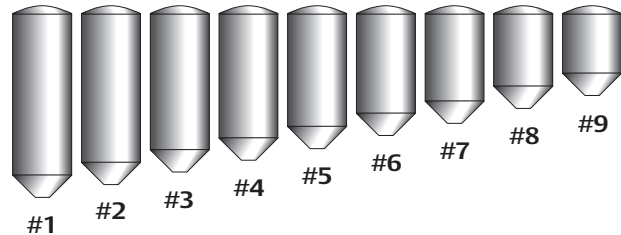


Technical Information

ASSA Twin Series Pinning

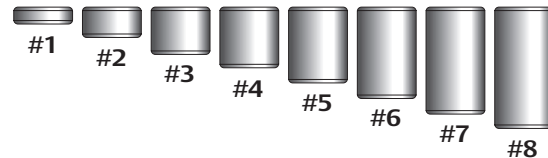
The same bottom and master pins used in all ASSA Twin Series, Maximum+, and 600 Series product are made of high-quality nickel silver. The deepest cut on a Twin Series and Maximum+ key is the #1 length and the shallowest is the #9 length. This makes the #1 pin the longest and the #9 pin the shortest. All pins are 0.114" in diameter.

Bottom Pin Part Numbers & Lengths		
Pin Size	Part Number	Length
#1	867078	0.3503"
#2	867079	0.3267"
#3	867080	0.3031"
#4	867081	0.2795"
#5	867082	0.2559"
#6	867083	0.2322"
#7	867084	0.2086"
#8	867085	0.1850"
#9	867086	0.1614"



Pins for ASSA cylinders do not taper to a ball nose radius like most pin tumbler pins, but have a flat tip that is 0.020" in diameter. This provides more reliable contact between tumbler and key.

Master Pin Part Numbers & Lengths		
Pin Size	Part Number	Length
#1	867070	0.0236"
#2	867071	0.0472"
#3	867072	0.0708"
#4	867073	0.0944"
#5	867074	0.1181"
#6	867075	0.1417"
#7	867076	0.1652"
#8	867077	0.1889"

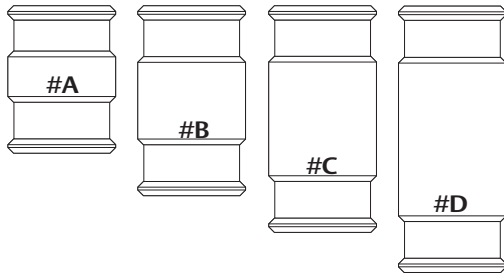


ASSA Twin master pins are engineered for single step \masterkeying, creating the largest master key capabilities of any pin tumbler lock in production.

By numbering from the smallest to the largest, pinning may easily be calculated by subtracting the master pin number from the bottom pin number. (i.e. 7 - 3 = 4. A #3 master pin with a #7 bottom pin is the same physical length as a #4 bottom pin alone.) If the master pin (or pins) leave a remainder of less than one when subtracted from the bottom pin, the overall stack height of the chamber is wrong.



Technical Information

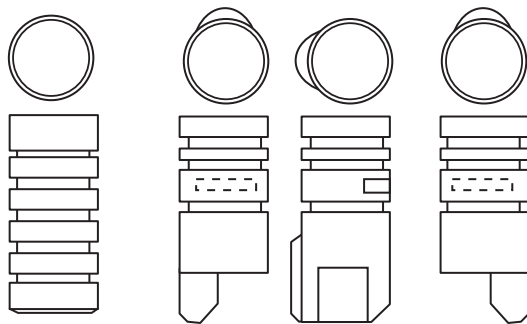


Top Pins/Spool Drivers	
Height	Width
A – 4 mm/0.15 inch	2.9 mm/0.114 inch
B – 5 mm/0.19 inch	2.9 mm/0.114 inch
C – 6 mm/0.23 inch	2.9 mm/0.114 inch
D – 7 mm/0.27 inch	2.9 mm/0.114 inch

Top Pin Part Numbers & Uses		
Driver	Part Number	Stack Height
A	807261	1 or 2
B	807262	3 or 4
C	807263	5 or 6
D	807264	7 or 8 or 9

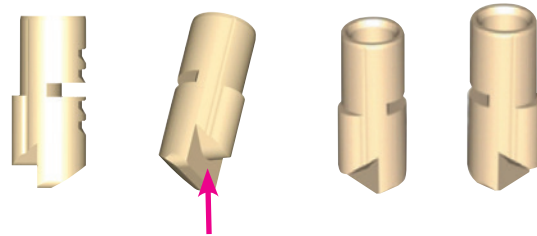
Example: When using a #4 bottom pin, a B top pin (driver) is required for proper stack height in the chamber. A #7 bottom pin and a #3 master pin would also require a B top pin.

KIK & KIL cylinders measuring 1.020" in the CH dimension listed in the product section will use a modified pin stack. This is done by calculating the required top pin and then using one size smaller in the cylinder, i.e. using an A top pin instead of a B in the above example. If the shortest top pin (A) needs to be shortened, a #5 master pin should be substituted. The #5 master pin is one increment step shorter than the A top pin.



Twin 6000 &
Twin Exclusive
Side Pin

Left hand & right hand
Twin V-10 side pins flanking
a side view.



Twin Pro Side pin drawing on the left shows the back of the Twin Pro side pin and its lift point.

Twin Maximum and Maximum+ side pins are available in left or right hand similar to V-10.

Like the Twin Pro side pin, the Twin Maximum and Maximum+ side pins are lifted at the bottom of the centering tab.

There are six different types of side pins used in ASSA High Security Twin Series and Maximum+ cylinders. The Twin 6000 and Twin Exclusive use one type of side pin with two false grooves above and below the opening gate.

Twin Series and Maximum+ Series side pins are lifted by the side cut on the key blank to a proper height to match the fence pattern on the geographically controlled side bar.

There are two different Twin V-10 side pins, left or right hand. Four false side grooves are provided for pick resistance. The Twin V-10 side pin has an eccentric shape and must be properly positioned before insertion in the side pin chamber of the plug. Left and right hand side pins offer the flexibility to utilize multiplexing capabilities.

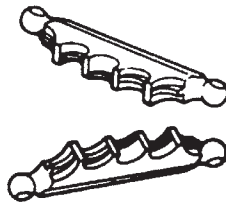
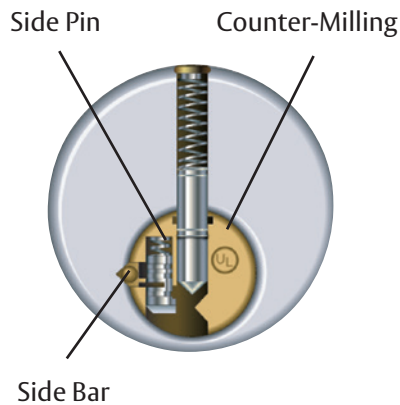
The Twin Pro side pin is similar to the design of the Twin V-10 but there is only one type for all five side pin positions. This side pin design is lifted at the back of the pin rather than the bottom surface.

Twin Maximum and Maximum+ side pins are available in left and right hand offering the flexibility of multiplexing similar to Twin V-10. The ASSA Twin Maximum and Maximum+ series cylinder is the mechanical platform that is integrated by CLIQ and CLIQ Remote electromechanical keys and cylinders.



Technical Information

Side Bar Operation



There are five side pins in every ASSA Twin and Maximum+ Series cylinder. In the Twin 6000 and Twin Exclusive, there is only the one type of side pin and for the Twin V-10 Series there are left-hand and right-hand side pins. ASSA Twin Pro has yet another single type of side pin. For Twin Maximum and Maximum+ there are left- and right-hand side pins similar to Twin V-10 for multiplexing capability.

The actual side code combination is machined into the side bar itself and again on the side cut of the Twin Series and Maximum+ key.

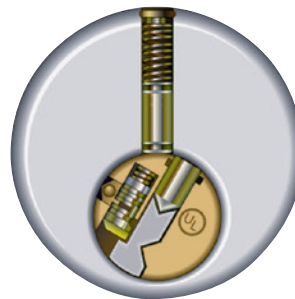
The purpose of the side pins is to align the opening gate by the side-cut milled on the side of the key that will align the side pin with the coded side bar fence. If they match, then the side bar will be unlocked.

With five depths in each position and five positions on each side bar, there are 3,125 different side codes possible. ASSA has 2,805 available. ASSA Twin side codes are assigned to dealers, distributors and end-users on a restricted geographical basis.

ASSA refers to the sidecode as an "intelligent" keyway that is unique to the market area of each dealer and end-user. The sidecode assures ultimate key control while the technicians have total control of the keying and pinning.

ASSA sidebars are reversible. Each sidebar is assigned with two matching key blanks, the obverse and reverse side codes. Twin V-10, Twin Maximum, and Maximum+ operations are capable of additional key blanks, and these capabilities are assigned only by and from the factory.

Note: Plug diameter is .510".





Technical Information

ASSA Master Keying Capability

ASSA offers single step progression master key systems. Unlike most standard progression systems that are restricted to two step progression, industry standards require a minimum of .023" from one step increments to the next for all lock manufacturers in order to prevent unwanted interchange in master key systems.

Considering ASSA's high tolerance and approximate 0.024" step increments, its nine depths of cut in six positions offers considerably more theoretic and usable combinations than any other lock manufacturer on the market today.

Figure 1

TMK	2	5	8	3	6	9
	4	7	0	5	8	1
K	6	9	2	7	0	3
B	8	1	4	9	2	5
A	0	3	6	1	4	7
64 pages				64 changes per page		

Figure 1 shows a standard two step progression chart. If the last three columns are progressed, the theoretic total change keys under a single master key would be 64 change keys on a page. If the first three columns were then progressed, there would be 64 pages for a total of 4,096 theoretic change keys under a single master key. If we were to consider that there is a MACS of 7, this system would yield approximately 3,000 usable change key combinations.

Figure 2

TMK	1	2	6	9	5	8
	2	3	7	1	6	9
	3	4	8	2	7	1
K	4	5	9	3	8	2
B	5	6	1	4	9	3
A	6	7	2	5	1	4
	7	8	3	6	2	5
	8	9	4	7	3	6
	9	1	5	8	4	7

Figure 2 shows ASSA's single step progression chart. If we were to progress only the last two columns, we would get a theoretic total of 64 change keys on a page. If we then progressed the two center columns, we would then get a theoretic total of 64 pages. So you see, we have already matched the total 4,096 theoretic change keys in the first exercise from Figure 1, but only four of our six chambers have been progressed. Now let's progress the first two columns to get 64 volumes, of 64 pages, of 64 changes per page. This gives us a theoretic total of 262,144 change keys under a single master key. With a MACS of 5 we typically lose about one half of our theoretic total, still yielding about 130,000 and in some cases as many as 160,000 usable change key combinations under a single master key, on each of our 1,402 available reversible sidebars.



Technical Information

Calculating Pin Stacks

Always choose the bottom pin, in a given chamber, by comparing the cuts in that chamber. Always select the highest number for the bottom pin since that would be the shortest possible pin. Next, subtract the remaining cut to obtain the master pin needed. The driver pins are calculated by subtracting the master pins from the bottom pins, chamber by chamber. In the case of stacked master pins always total the master pins then subtract that number from the bottom pin.

Example:

AA - 495599	AB - 495499	AC - 495699
AA1 - 495524	AB1 - 495464	AC1 - 495625
AA2 - 495536	AB2 - 495438	AC2 - 495644
AA3 - 495562	AB3 - 495426	AC3 - 495637

The following would describe typical pinning arrangements for bottom, master and driver pins from our sample systems.

495799	"AA" Key	495799	"GMK" Key
495327	"1AA" Key	495599	"AA" Key
		495536	"AA2" Key
495799	Bottom Pins	495799	Bottom Pin
--472	Master Pins	--263	Master Pins
BDCBAD	Top Pins	BDCCBC	Top Pins



Technical Information

ASSA C-4 CLIQ & CLIQ Remote

The ASSA CLIQ technology is designed with the advantages of both electronic access control and mechanical key systems making it suitable for organizations spread over wide geographic areas. The ASSA CLIQ features time schedule access control, the ability to grant or deny authorizations electronically and provide an audit trail. This unique technology provides a high security key and cylinder combination requiring no power source of any kind at the opening.

For more detailed information please see pages 15 & 16 or visit our website www.assalock.com and select the "Products" tab.

Considerations for Master Key System design

There is a black power and data transfer strip inserted alongside the CLIQ electromechanical keys as part of the electronics. When designing a masterkey system where CLIQ will be used there is a cut depth restriction in the sixth position. A number one or two depth of cut can not be used so that the black power and data strip is not damaged when cutting the key. Clamping the key into a the vice jaw of a key duplicating or code cutting machine will also damage the black power and data transfer strip. CLIQ keys, are always cut at the factory.



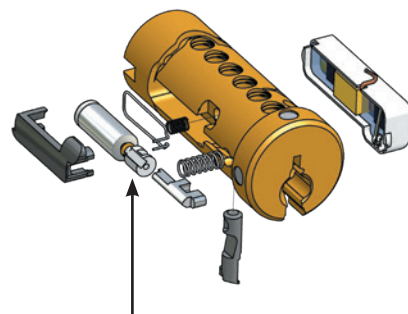
Servicing ASSA CLIQ cylinders

The ASSA CLIQ electronic components, Motor and actuator are sealed in the cylinder plug and are not field serviceable. All ASSA CLIQ cylinders are keyed at the factory.

Lubrication

The only approved lubricant is the ASSA Lock Spray part number 807718.

The ASSA Lock Spray is conductive and the formula resists collection of dust and dirt. Any other lubricant used can mask the contact read for power and data transfer.



A motor drives the electromechanical blocking element that locks the side rail.



Technical Information

ASSA Large Format Interchangeable Core, ASSA Yale & ASSA Corbin Russwin LFIC

With the discontinuation of the ASSA removable core (RC) product, in 1996 ASSA introduced a new Large Format Interchangeable core (LFIC) product which may be mounted in the same figure eight housing as the old product.

The new LFIC product is designed to be compatible with systems written for the old product and may even safely be supplied as expansion in some key systems not originally designed with the RC or LFIC product in mind.

VALUES

C	= Control Bitting	CK	= Change Key Bitting
BP	= Bottom Pin	MK	= Master Key Bitting
MP	= Master Pin		
BUP	= Build-up Pin		
TP	= Top Pin		
Stack	= 20		

This LFIC has a control “sleeve” in the first four pin chambers and pinning for those chambers is calculated using specific formulas to determine the two top components of the pin stack. The TOP PIN (TP) is determined from the control KEY combination, simply add one to the bitting of the control key in the first four positions to determine the size of the top pin for the corresponding pin chamber.

$$TP = C + 1$$

The sizes of the BOTTOM PIN (BP) and MASTER PIN (MP) are determined using the normal method. The only other component in the stack is the buildup pin and the following formula will give you the correct size to use in the pin chamber.

Master Keyed	Non-Master Keyed
BP = MAX (CK/MK)	BP = CK
MP = ABS (CK-MK)	MP = 0
TP = C + 1	TP = C + 1
BUP = 20 - {TP + [10 - (BP-MP)]}	BUP = 20 - [TP + (10-CK)]

If the particular chamber is cross keyed, it will have more than one master pin in it and the formula should be modified to reflect that condition. The pinning for the last two pin chambers should be calculated in the same manner used for ASSA non-IC products.

Using the formula isn't any more difficult than adding and subtracting. The example here is for a master keyed LFIC cylinder, and this formula will apply to the first four pin chambers only. As with all formulas, it should be worked from the inside out. Our keys for this cylinder are:

<u>CTRL</u>	<u>216499</u>
AA	495799
1AA	642799



Technical Information

The Top Pin is calculated as CTRL Biting + 1, in this case.

Pin Chamber 1

CTRL Biting 2 + 1 = 3 TP

Pin Chamber 2

CTRL Biting 1 + 1 = 2 TP

Pin Chamber 3

CTRL Biting 6 + 1 = 7 TP

Pin Chamber 4

CTRL Biting 4 + 1 = 5

The only pin size we don't now know is the BUP (Build-up Pin). The formula will tell us that.

$$\text{BUP} = 20 - \{ \text{TP} + [10 - (\text{BP} - \text{MP})] \}$$

Pin Chamber 1

$$\text{BUP} = 20 - \{ 3 + [10 - (6 - 2)] \}$$

$$\text{BUP} = 20 - \{ 3 + [10 - 4] \}$$

$$\text{BUP} = 20 - \{ 3 + 6 \}$$

$$\text{BUP} = 20 - 9$$

$$\text{BUP} = 11$$

Pin Chamber 2

$$\text{BUP} = 20 - \{ 2 + [10 - (9 - 5)] \}$$

$$\text{BUP} = 20 - \{ 2 + [10 - 4] \}$$

$$\text{BUP} = 20 - \{ 2 + 6 \}$$

$$\text{BUP} = 20 - 8$$

$$\text{BUP} = 12$$

Pin Chamber 3

$$\text{BUP} = 20 - \{ 7 + [10 - (5 - 3)] \}$$

$$\text{BUP} = 20 - \{ 7 + [10 - 2] \}$$

$$\text{BUP} = 20 - \{ 7 + 8 \}$$

$$\text{BUP} = 20 - 15$$

$$\text{BUP} = 5$$

Pin Chamber 4

$$\text{BUP} = 20 - \{ 5 + [10 - (7 - 0)] \}$$

$$\text{BUP} = 20 - \{ 5 + [10 - 7] \}$$

$$\text{BUP} = 20 - \{ 5 + 3 \}$$

$$\text{BUP} = 20 - 8$$

$$\text{BUP} = 12$$

From this formula we know that the pinning of the cylinder would be:

TP	3	2	7	5	D	D
BUP	11	12	5	12	-	-
MP	2	5	3	-	-	-
BP	6	9	5	7	9	9

The build-up pin may be any size from 1 up to 17. As part of the product release we have created 9 new master pins for use as build-up pins. They are numbered 9 through 17. In conjunction with this product release ASSA has produced nine new top pins 2 through 10. These new top pins have a recess drilled into the top of them to accept the new, smaller diameter top pin spring which must be used in the first four control sleeve chambers of the cylinder.

If you are generating your own key systems, there are some new combination selection rules which should be followed for the TMK and the CTRL (Control Key).

- 1) The TMK should have a number 9 depth as one of the first four cut positions and the corresponding position in the CTRL key should be a number 1 depth.
- 2) The last two cut depths of the CTRL key should be the same as the TMK.

With the exception of the preceding rules, the other cut positions in the CTRL key may be any depth except the TMK depth. The combination used for the CTRL key should be removed from the key system if it is generated as part of the progression.



Technical Information

ASSA Sargent Large Format Interchangeable Core

Follow the same formula and rules as specified for the ASSA Large Format Interchangeable & Yale & Corbin Russwin LFIC but change the stack to 19.

IMPORTANT: If the build-up pin (BUP) is equal to 0 no build-up pin is used.

CTRL	216969
AA	495769
1AA	642169

The Top Pin is calculated as CTRL Biting + 1, in this case.

Pin Chamber 1	Pin Chamber 2	Pin Chamber 3	Pin Chamber 4
CTRL Biting 2 + 1 = 3 TP	CTRL Biting 1 + 1 = 2 TP	CTRL Biting 6 + 1 = 7 TP	CTRL Biting 9 + 1 = 10
Pin Chamber 1	Pin Chamber 2	Pin Chamber 3	Pin Chamber 4
TP = 2 + 1 = 3	TP = 1 + 1 = 2	TP = 6 + 1 = 7	TP = 9 + 1 = 10

The only pin size we don't now know is the BUP (Build-up Pin). The formula will tell us that.

$$\text{BUP} = 19 - \{ \text{TP} + [10 - (\text{BP} - \text{MP})] \}$$

Pin Chamber 1	Pin Chamber 2	Pin Chamber 3	Pin Chamber 4
$\text{BUP} = 19 - \{3 + [10 - (6 - 2)]\}$	$\text{BUP} = 19 - \{2 + [10 - (9 - 5)]\}$	$\text{BUP} = 19 - \{7 + [10 - (5 - 3)]\}$	$\text{BUP} = 19 - \{10 + [10 - (7 - 6)]\}$
$\text{BUP} = 19 - \{3 + [10 - 4]\}$	$\text{BUP} = 19 - \{2 + [10 - 4]\}$	$\text{BUP} = 19 - \{7 + [10 - 2]\}$	$\text{BUP} = 19 - \{10 + [10 - 1]\}$
$\text{BUP} = 19 - \{3 + 6\}$	$\text{BUP} = 19 - \{2 + 6\}$	$\text{BUP} = 19 - \{7 + 8\}$	$\text{BUP} = 19 - \{10 + 9\}$
$\text{BUP} = 19 - 9$	$\text{BUP} = 19 - 8$	$\text{BUP} = 19 - 15$	$\text{BUP} = 19 - 19$
$\text{BUP} = 10$	$\text{BUP} = 11$	$\text{BUP} = 4$	$\text{BUP} = 0$ (no BUP is used in this chamber)

From this formula we know that the pinning of the cylinder would be:

TP	3	2	7	10	C	D
BUP	10	11	4	-	-	-
MP	2	5	3	6	-	-
BP	6	9	5	7	6	9

The build-up pin may be any size from 1 up to 17. As part of the product release we have created 9 new master pins for use as build-up pins. They are numbered 9 through 17. In conjunction with this product release ASSA has produced nine new top pins 2 through 10. These new top pins have a recess drilled into the top of them to accept the new, smaller diameter driver spring which must be used in the first four control sleeve chambers of the cylinder.

If you are generating your own key systems, there are some new combination selection rules which should be followed for the TMK and the CTRL (Control Key).

- 1) The TMK should have a number 9 depth as one of the first four cut positions and the corresponding position in the CTRL key should be a number 1 depth.
- 2) The last two cut depths of the CTRL key should be the same as the TMK.

With the exception of the preceding rules, the other cut positions in the CTRL key may be any depth except the TMK depth. The combination used for the CTRL key should be removed from the key system if it is generated as part of the progression.



Technical Information

ASSA Sheering Tool for Sargent and Corbin Russwin LFIC Original Housings

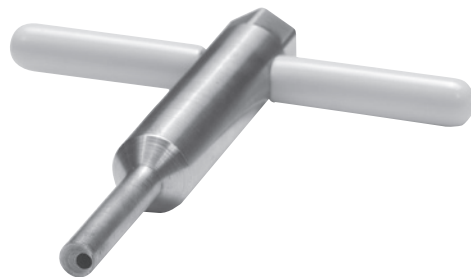


Sargent 6 Pin LFIC



Corbin Russwin 6 Pin LFIC

The ASSA Sargent & Corbin Russwin retrofit LFIC cores require a shearing tool to cut the drive pin in existing Sargent or Corbin Russwin housings that is in line with the ASSA side bar. This simple and effective hand tool is inserted fully into the figure 8 opening of a Sargent or Corbin Russwin LFIC housing over both drive pins. The T handle is inserted into the large opening on the left and turned shearing the left drive pin to the proper length.



Model

CRRCTOOL
SGTRCTOOL

Description

Shearing Tool for Corbin Russwin style IC
Shearing Tool for Sargent style IC



Technical Information

ASSA Schlage Removable Core

The Schlage removable core has a control sleeve in the first cut position at the ASSA key tip

Only the number 8 or 9 depth of cut can be used for the operating keys

The control key can be cut to the 1, 2, 3 or 4 depth of cut only, in the first position at the ASSA key tip.

A build-up pin hollowed top pin and an ASSA IC top pin spring is used in the first chamber position to engage the control sleeve and drive blocking pin to lock or unlock the core in the Schlage original housing.

No master pinning is allowed in the control chamber position. Positions 2 through 6 can be used for normal ASSA master pinning.

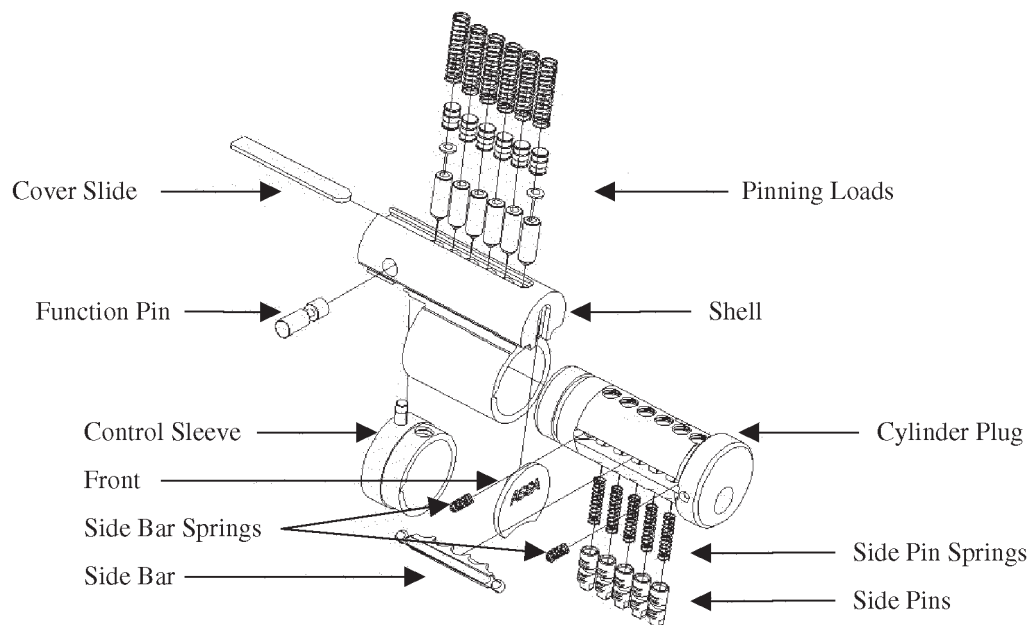
Calculating the loads is as follows:

The Top Pin is equal to the control cut plus 6

$$TP = CTRL + 6$$

The build-up pin is equal to the operating cut minus the control cut plus 2

$$BUP = 2 + (\text{Operating Cut} - \text{CTRL Cut})$$





Technical Information

The chart below shows pinning combinations available in the first pin chamber position.

Schlage Removable Core pinning combinations for 1st position.			
CTRL Cut	Operating Cut	Build-up Pin	Top Pin
1	8	9	7
1	9	10	7
2	8	8	8
2	9	9	8
3	8	7	9
3	9	8	9
4	8	6	10
4	9	7	10
Build-up pins and hollowed top pins can be found in the ASSA PK-IC upgrade pinning kit, MPK pinning kit or purchased separately.			

Note: Positions 2 through 6 use the ASSA modified pin stacks by downsizing top pins by one increment.



Technical Information

ASSA Small Format Interchangeable Core

The pinning format is not similar to the traditional Best A2 or A4 specification. The pinning format is unique to ASSA SFIC.

Only 6 pin cores available.

The depth and spacing is the same as all ASSA Twin keys, except for the #9 depth cut is not available.

Direction of cuts is from tip to bow.

Single step progression is used.

MACS = 5

General rules:

6 pin chambers

8 heights, 1 to 8

In any of the pin chambers 1-6 the keys need to be different between control key and operating keys in at least one position.

In at least one pin chamber the control key must be lower than any operating key.

The control key can be a maximum of 5 increments higher than the operating key in any pin chamber.

Bottom Pins = calculated per usual

Master Pins = calculated per usual

Build Up Pins = [bottom pin] - [all master pins] - [control key code] + 5 (0=No build up pin)

Driver (Top) Pins = [control key code] + 1

Stack height calculation = top pin + master pin(s) + BUP - bottom pin = 6 (always)

Example:

Control key	4	6	4	8	7	6
Master key	3	2	6	5	2	4
Change key	1	2	6	8	5	8
TP	5	7	5	9	8	7
BUP	2	1	7	2	0	3
MP	2	0	0	3	3	4
BP	3	2	6	8	5	8

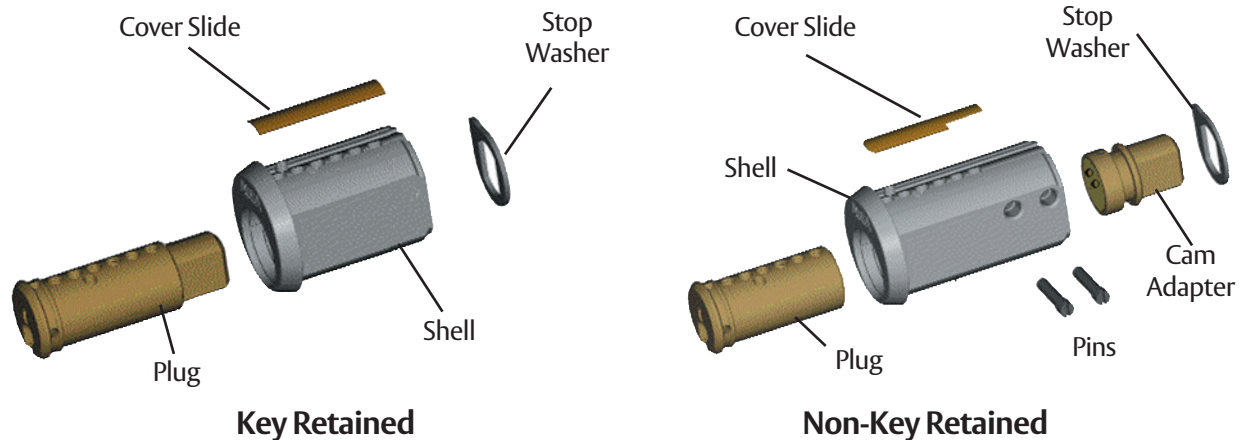
BP	3	2	6	8	5	8
MP	-2	0	0	-3	-3	-4
CB (Control Bitting)	1	2	6	5	2	4
	-4	-6	-4	-8	-7	-6
	-3	-4	2	-3	-5	-2
Plus 5	5	5	5	5	5	5
BUP	2	1	7	2	0	3

Stack height calculation: top pin + master pin(s) + BUP - bottom pin = 6 (always)

TP	5	7	5	9	8	7
BUP	2	1	7	2	0	3
MP	2	0	0	3	3	4
BP	-3	-2	-6	-8	-5	-8
Stack =	6	6	6	6	6	6



Servicing ASSA Cam Locks



ASSA cam locks are serviced with standard Twin bottom and master pins. The tops pins, or drivers and springs used in ASSA cam locks are the hollowed top pins used in the ASSA Interchangeable Core product T-2 through T-9. The top pin used in each chamber is equal to the total operating stack. A #7 bottom pin uses a T-7 top pin. For master keying a #5 bottom pin – a #3 master pin equals a total operating stack of 2. The T-2 top pin is used. Due to stack height restrictions the #1 depth of cut cannot be used in ASSA cam locks.

Top Pin #2 – 809328

Top Pin #3 – 809329

Top Pin #4 – 809330

Top Pin #5 – 809331

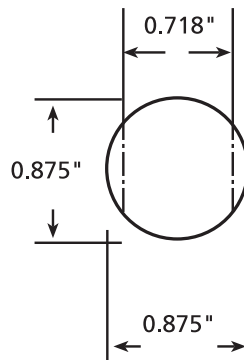
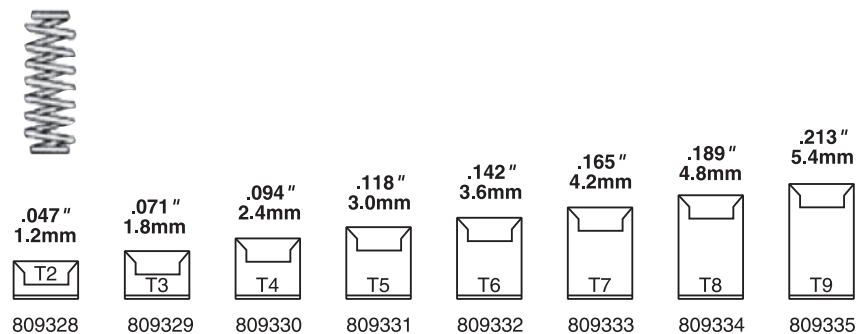
Top Pin #6 – 809332

Top Pin #7 – 809333

Top Pin #8 – 809334

Top Pin #9 – 809335

IC Core Chamber Spring – 809340



For metal installation use 7/8" double D punch.



Technical Information

Security Authorization Procedure

- Locksmith is encouraged to use the ASSA-343 form card shown below to register their customers signatures.
- Customer would then be required to sign an ASSA-312 form in order to receive additional cut keys for subsequent orders.
- Locksmith should check signature(s) on the ASSA-343 form registration card and verify that it matches the signature on the ASSA-312 form.
- Personal identification should also be requested for additional customer protection.

 ASSA ABLOY	
SIGNATURE REGISTRATION CARD # _____	
This card is to be used in conjunction with ASSA® restricted key systems. The names and corresponding signatures will establish individuals authorized to order additional cut keys and locks for specific key systems. In the event of a change in authorized personnel a letter must be submitted on company letterhead bearing the signature of one of the individuals stated below.	
END USER	END USER

[illegible]

	1	2	3	4	5	6
1	E	F	J	B	G	A
2	J	A	B	C	D	F
3	F	C	D	J	H	E
4	C	H	A	D	B	J
5	D	G	F	E	J	H
6	B	D	E	H	A	G
7	H	B	G	F	C	D
8	G	J	H	A	E	C
9	A	E	C	G	F	B

ASSA Blind Code Key Decoder.



Technical Information

ASSA-312 FORM

- The ASSA-312 form may be used to verify customer signatures at the time of sale and issuance of cut keys.
- Customer will sign the form in the signature block portion, date the signature and copy any stamping information in the space provided.
- Locksmith will check the signature against the original ASSA-343 signature registration card to verify and authorize key cutting.
- Form number is then recorded on the back side of the ASSA-343 card.

RESTRICTED KEY ORDER FORM USE WITH AUTHORIZATION CARD										
	X Only one circle below for quantity of keys required.									
	1	2	3	4	5	6	7	8	9	
	10	15	20	25	30	35	40	45	50	
	55	60	65	70	75	80	85	90	100	
I hereby certify that I am the owner or authorized agent of the owner of the lock cylinder(s) for which key(s) are being produced, and as such authorize the above merchant to process the order for said keys. IF YOUR KEY IS PART OF A MASTER KEY SYSTEM, COPY THE NUMBER STAMPED ON THE KEY HERE ➡										
SIGNATURE DATE										
ASSA 312 2885 ASSA, INC. Copyright© 1989 ASSA, INC.										



The New ASSA Maximum+ SFIC:

"It's Not Your Grandpa's SFIC"

-By William M. Lynk, CML, CPS, ICML, CMIL, CAI, M.Ed.

SFICs (Small Format Interchangeable Cores) were created over 100 years ago. But, the new **ASSA Maximum+ SFIC** is big, and it's here! Unusual in its specs, it can offer over 117,000 bittings in a single 6-pin system, far more than any 7-pin SFIC A2 or A4 system out there. Even though the 3-Step Pin Stack Calculations are completely different from traditional SFIC systems, with the correct insight, it can still be easy-peasy. So, let's look at the unusual twists of this revolutionary A5 System and the ways it can be used effectively, not to mention and how simple it all is...IF you know how.



F1. ASSA SFIC

Historical Perspective: BEST and ASSA

BEST: The BEST system was developed/created over 100 years ago. Frank E. Best first conceived the concept of a self-contained locking cylinder that was key removable and easily integrated into specialized locking hardware. Thus, in 1912 the concept of an interchangeable core locking mechanism was born. This was an exciting time when radio and automobiles were first appearing, and Frank Best made his mark, as would be clearly seen decades later, and continuing into the next century.

The notion that hardware such as mortise locks, deadbolt locks, key-in-knob locksets, cabinet locks, mailbox locks, padlocks, etc., that were previously a connected feature of the complete locking hardware package could now remain in place as the 'core' could be removed by a special key, was certainly a revolutionary idea. This type of lock could employ change keys and/or master keys to operate the locking unit, similar to other traditional lock cylinders on the market. However, this small, self-contained figure-eight shaped cylinder could be easily removed with the use of the appropriate "control key" (often called "core key") so that another similar locking cylinder could replace the original, as desired. Frank Best finally applied for a United States patent for his unique lock in August of 1919 and two years later received the very first patent for the "interchangeable lock core."



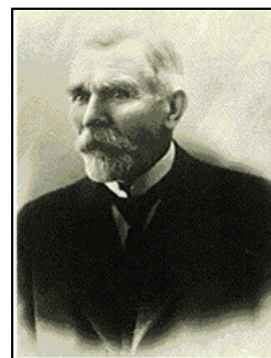
F2. Frank Best

In October of 2002 the Best family sold BEST Access Systems to the Stanley Works Corporation. Headquartered in New Britain, Connecticut, Stanley purchased all of the outstanding stock in BEST Access Systems through a cash deal for \$310 million in November of 2002. BEST later moved to a dedicated distribution model instead of selling direct to end users, as it had done for its entire history. Finally, in 2017, dormakaba acquired STANLEY Security's mechanical division to form BEST Access Solutions, Inc. and added it into their portfolio of companies.



ASSA: ASSA was established in 1881 by the blacksmith August Stenman after buying a small hinge manufacturer in the town of Eskilstuna, Sweden. One day his wife embroidered a pillowslip with his name forwards and backwards – "August Stenman, Stenman August", and so **ASSA** became the name of the new company. By 1939, ASSA had produced its first cylinder lock and delivered its first 5-pin cylinder master key system seven years later. In 1959, ASSA introduced its first registered key systems with key control. In 1981, ASSA celebrated its 100th anniversary as a company with the release of the ASSA Twin 6000 system, a new cylinder concept utilizing the dual locking mechanisms of today's ASSA cylinders.

Starting in 1992, ASSA, Inc. shifted their sales direction from independent dealer sales to institutional, industrial, and government sales. Some of the customers who made this possible were The World Bank, The United States Supreme Court, Boeing, AT&T, Baltimore Ravens Stadium, the all too famous Twin Towers in New York City, The University of New Hampshire, Prince George's County School District, Alexandria City Public Schools, Tucson Unified Schools, and numerous other schools and federal government facilities.



F3. August Stenman

Today ASSA ABLOY is a well-known global leader in door opening solutions for end-users requiring security, safety and convenience. ASSA ABLOY operates in markets worldwide, with leading positions in much of Europe, North America and the Asia Pacific region. The Americas division manufactures and sells mechanical and electro-mechanical locks, cylinders, security doors and door frames. Some of Americas' industry leading brands include ASSA, Corbin Russwin, Medeco, Sargent and Yale. Finally, ASSA has introduced their own ASSA Maximum+ SFIC, allowing for over 117,000 bitting in a single system, and offered to locksmiths through ASSA Technical Services, Inc.

"The Facts Ma'am...only just the Facts"



F4. ASSA SFIC & Key

Those of us who watched the series *"Dragnet"* in the 1960's are aware of this phrase. So, to be true to the series, the ASSA Maximum+ SFIC is quite a unique system that touts retrofitting into any standard SFIC housing, though it is unlike its 'clones' in the fact that it uses strikingly different methods of pin stack calculations that defies anyone accustomed to their grandpa's old SFIC pin stack methods.

But, one of the comforting specifics is that we're still thinking 'tip to bow' as we would in any older SFIC system. However, there is no tip stop. Keys are gauged from the shoulder, but read from tip to bow. Also, the pin lengths are new to SFIC. A large number of bittings are available with the ASSA Maximum+ 6-pin SFIC, more than in any A2, A3 or A4 system.



We will look at this in more detail later. Additionally, those who would like to integrate this new SFIC system into their existing ASSA system can do so, with some caveats. The possibilities are huge. So, fellow detectives, let's investigate core construction...just the facts.

Core Construction

As expected, the cores are manufactured with solid brass for durability. Bottom pins, unique and not compatible with other aftermarket SFIC pins, are solid nickel-silver in composition. Each pin chamber can be individually changed as needed for serviceability. This new system is compatible with existing ASSA Maximum+ cylinders and is patented until 2030. One other benefit is that this new ASSA SFIC system can be combined using existing standard tools for SFIC, with the small exception of the Ejector Tool. It will accommodate any application where a 6-pin SFIC is present and can be used where both key control and security are a concern.

Pins

Those who are familiar with the ASSA standard pin depth system are in for a delight. The engineers have taken this same basic ASSA increment system, utilized it in the new SFIC system and added a few special treats.

The single-step, .024" (actually .0235") increment, is also used in the ASSA Maximum+ SFIC. They have reduced the pin diameter down to standard SFIC-size at .108". Furthermore, the system has eight bottom pins and 12 wafer pins which include master pins, build-up pins and top pins. If you are used to working single-step A4, then you get the basic idea. There is no key cut parity to be concerned with within any given chamber.

The pins are seated on the flat (root) of the key cut, which has the cut specifications of a 90-degree angle. The key flat is .032" and the total pin stack dimension is approximately .4385". And, there are no side pins to worry about within the ASSA SFIC. Spacing remains at a standard .150", a happy tribute to many SFIC systems.

Keys, by the way, can be originated with standard rotary cutters (sorry, no punches at this time), such as a Framon, ITL, HPC Blue Shark/Tiger Shark, etc. Since the ASSA SFIC key is slightly shallower in blade height, it will retrofit into the same existing ASSA keyways, but the ASSA standard keys of the same keyway will not enter the ASSA SFIC.



Dedicated Pin Kit

The pin kit (#PK-SFIC) contains all nickel-silver pins, bottom pins and all wafer pins. Figure 5 and Figure 6 show the kit:



F5. ASSA SFIC Pin Kit #PK-SFIC



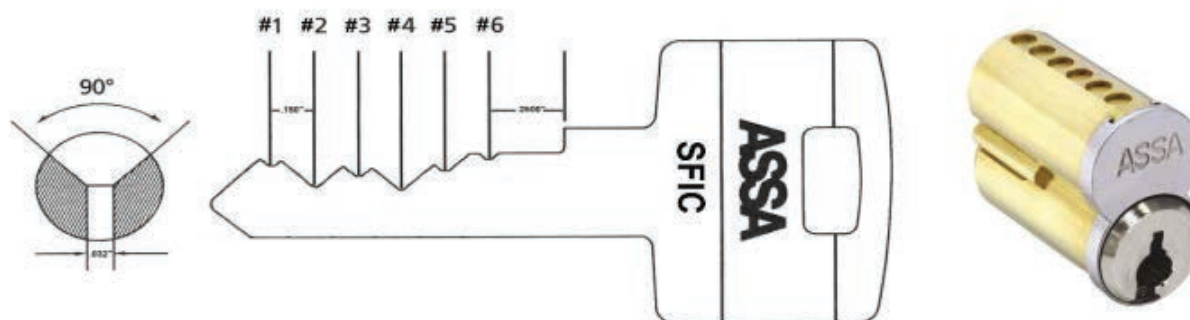
F6. Pin Kit Contents

One note is that the Ejector Pin used to eject pins from the core is smaller than a standard SFIC ejector tool, so you will need this dedicated tool. It's part number is: 900800, though it does come as part of the Pin Kit #PK-SFIC.

Figure 7 (to follow) shows the technical data one would need to know for this new system:



ASSA Maximum+ SFIC Technical Data



Pin & Key Specifications				System Features & Data	
Part Number:	SFIC Bottom Pin Number:	Pin Length:	Key Cut Depth:	System Feature:	System Data:
909001	SFIC Bottom Pin #1	0.2740"	0.1645"	Manufacturer:	ASSA, Inc.
909002	SFIC Bottom Pin #2	0.2505"	0.1880"	Distributor:	ASSA Technical Services
909003	SFIC Bottom Pin #3	0.2270"	0.2115"	Distributor Contact:	Tom Demont, CML, CMST
909004	SFIC Bottom Pin #4	0.2035"	0.2350"	Increment [A5 - New]	.0235"
909005	SFIC Bottom Pin #5	0.1800"	0.2585"	Progression Type:	Single Step
909006	SFIC Bottom Pin #6	0.1565"	0.2820"	Pin Diameter:	.108"
909007	SFIC Bottom Pin #7	0.1330"	0.3055"	Pin Configuration:	6-pin core
909008	SFIC Bottom Pin #8	0.1095"	0.3290"	Plug Diameter:	Face: .5095" Barrel: .4350"
	SFIC Wafer Pin [BP, MP, BUP, TP] Number:	Blank	0.3290"	Key Cut Angle:	90°
911001	SFIC Wafer Pin #1	0.0235"		Key Cut Measurements:	Bottom of Blade to Cut
911002	SFIC Wafer Pin #2	0.0470"		Key Cut Method:	Rotary Cutter
911003	SFIC Wafer Pin #3	0.0705"		Key Cut Direction:	Tip to Bow
911004	SFIC Wafer Pin #4	0.0940"		Deepest Key Cut:	1 (8 increments)
911005	SFIC Wafer Pin #5	0.1175"		Width of Key Flat Base	0.032"
911006	SFIC Wafer Pin #6	0.1410"		Key Cut Tolerance	+0.0008" / -0.0012"
911007	SFIC Wafer Pin #7	0.1645"		Spacing / A2, A4 Compatible?	.150" / Yes
911008	SFIC Wafer Pin #8	0.1880"		Spacing Calculation:	.2600" from Shoulder
911009	SFIC Wafer Pin #9	0.2115"		Pin Stack Total:	6 (15 increments)
911010	SFIC Wafer Pin #10	0.2350"		Pin Stack Dimension:	Total = .4385"
911011	SFIC Wafer Pin #11	0.2585"		MACS:	5
911012	SFIC Wafer Pin #12	0.2820"		Side Pins:	None
09340	Chamber Springs			Integrate into ASSA:	Yes, possible
910013	Caps			UL437 Listed / Restricted:	No / Yes
762951	Key Blank			Patent Expiration:	2030
				Number of Theoretical Bitting Possibilities:	117,649 (Minus MACS losses)

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F7. The ASSA Maximum+ SFIC Technical Data Sheet

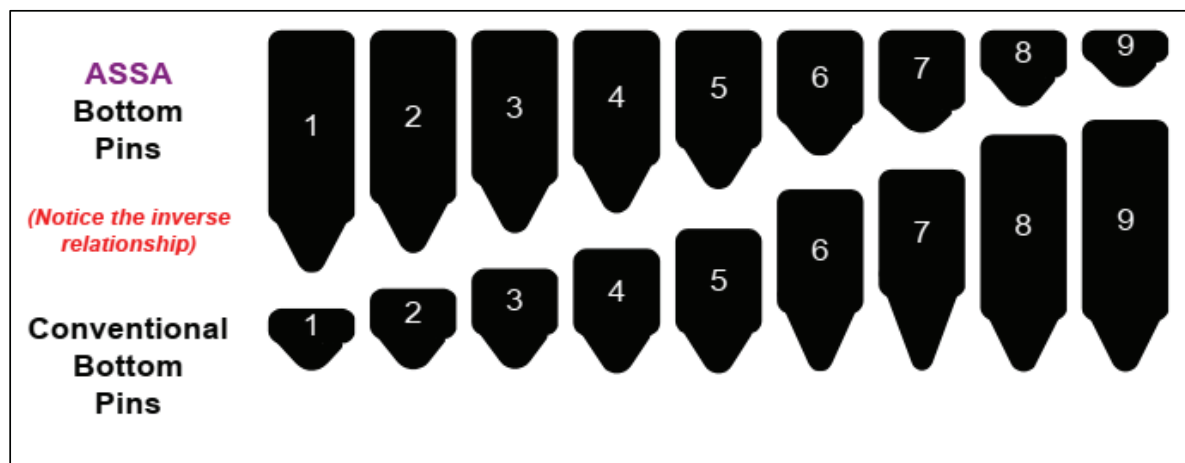


Finally, those of you who are not familiar with the bottom pins found in a standard ASSA pin kit and used with their fixed cylinders and LFICs, are in for a special treat. It's time to wrap your head around a new way of looking at an innocent set of bottom pins. Please be forgiving.

"Trouble in River City"

If you have ever seen the musical: *"The Music Man"*, then you know things in River City were allegedly not perfect. So, what does that have to do with ASSA bottom pins? We will let you be the judge.

Figure 8 shows the ASSA bottom pins compared to what most of us would term 'conventional' bottom pins:



8. Illustrating the inverse relationship between the ASSA bottom pins and conventional bottom pins

A picture can speak 1,000 words. As you can see, the smaller number of an ASSA bottom pin is equivalent incrementally to the longest bottom pin in a conventional system. The ASSA #1 BP is the same actual length (incremental length) as a #9 conventional BP. This chart shows the inverse relationship.

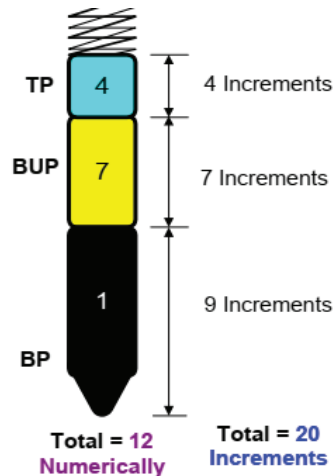
NOTE: This chart shows standard ASSA bottom pins for fixed cylinders and LFICs. The SFIC version does NOT have a #9 BP. They run #1 - #8 only in ASSA Maximum+ SFIC.

Numeric Dimension vs. Incremental Dimension

Since ASSA has given us the pleasure of dealing with **Inverse Increments** regarding their Bottom Pin designations opposite traditional Bottom Pin designations, we will just have to roll with it. However, there exists a serious issue involving calculating pin stacks because of this juxtapositioning that we must carefully consider.

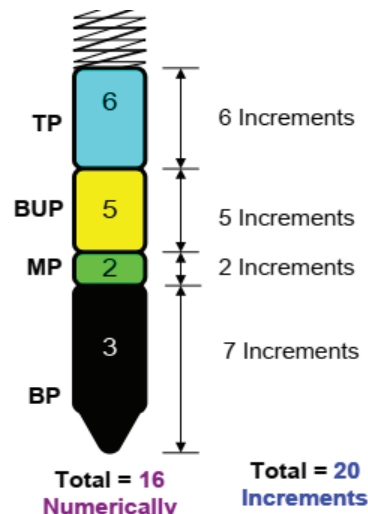


Take a look at this graphic in Figure 9 that illustrates the issue at hand. It involves the ASSA LFIC [not SFIC] in one of the four control chambers. In each control chamber, the pin stack must total 20 increments:



F9. An example showing the numerical vs. the incremental values in an ASSA LFIC control chamber pin stack

In this example, you can see that the 'numerical' total of this LFIC pin stack equals 12 (not 20). That is because we must calculate the inverse of the bottom pin into what the actual incremental distance is. In this case it is 9 ($10-1=9$). The number 10 becomes the converter from numeric dimension to incremental dimension. Then we can see the pin stack actually totals 20, as it should. Here is another example, shown in Figure 10:



F10. A second example showing the numerical vs. the incremental values in an ASSA LFIC control chamber pin stack



Again, it is the value of the bottom pin that is the 'ringer', as they say. Within the ASSA Maximum+ SFIC, the converter number is 9 to achieve the real pin stack total, as you will see in more detail when we discuss pin stack calculations.

A2, A3, A4...A5?

A2, A3 and A4 systems are all based on the varying increments of the respective systems. The pin diameter remains constant, as does the spacing. Why have them? Very simple: Single-step systems can yield many more bittings than 2-step systems. If a system's increment is small, usually under .023" [excluding SFIC A4] , then a 2-step system is needed. We can see this with Schlage Conventional (.015"), Sargent (.020"), BEST A2 (.0125"). But, if we increase the increment to over the threshold of about .023", we have increased bitting capability in a single-step system such as with ASSA (.0235"), Kwikset (.023), Russwin System 70 (.028"), etc.

ASSA has become ground breaking in this instance, as it is the only manufacturer, aside from BEST, to create a fourth SFIC increment system: **A5**, if you will.

Figure 11 shows the bittings available in the four systems comparing 6-pin and 7-pin cores:

<i>Theoretical Key Bittings /Change Keys</i>				
SFIC System:	A2	A3	A4	A5
Status:	In Use	Discontinued	In Use	In Use
Originator:	BEST	BEST	BEST	ASSA
Progression Type:	2-Step	1-Step	1-Step	1-Step
Increment:	.0125"	.0180"	.0210"	.0235"
Pin Diameter:	.108"	.108"	.108"	.108"
MACS:	9	6	5	5
6-pin Cores:	4,096	46,656	15,625	117,649
7-pin Cores:	16,384	279, 936	78,125	n/a

F11. This chart shows the potential theoretical key bittings possible in A2, A3, A4 and A5 systems, with additional data

Can I Use My A2 Pin Kit...Pretty Please?

Well, since you asked nicely, yes. The core was constructed to conventional SFIC standards, with exception of the plug. The control shear line remains 10 increments as in A2. However, the ASSA key blank will mitigate the larger space needed in the plug because of the seating of the key blank itself for both ASSA A5 and standard SFIC A2. In other words, no problemo. Just make sure your code machine is set for a custom DSD that incorporates the center of the cut nearest to the shoulder at .2600".



So, if you are not wanting to take advantage of the massive 117,000 bittings available within the ASSA SFIC .0235" single-step A5 increment system, you can compromise those totals to a maximum of 4,096 bittings by using the existing A2 system (or even an A4 system for 15,625 bittings), excellent for small to medium size applications.

Tools - Use Your Own!

I am an advocate of using the proper tools for the job at hand. But, if I can use tools I already own to successfully accomplish a job, so be it. The point here is that you can utilize your existing SFIC combining tools for the ASSA SFIC. Your favorite SFIC Pin Kit (LAB, BEST, Arrow, etc.), the Annex (LAB), capping press (A-1, Framon, BEST), Quic-Test Tool (ICLS Global), Quic-Load Block (ICLS Global) and your pinning block (A-1, ProLok, BEST, Schlage) will all work beautifully.

The only other tool that will be necessary is the ASSA SFIC Ejector Tool, used when you need to recombine these cores. The standard aftermarket SFIC ejector tool, and even the thinner Medeco KeyMark ejector tool, will not work. The reason is that there is a keyway ward on both sides of the bottom of the plug that will only allow the thinner, specially made ASSA SFIC Ejector Tool to bypass that warding. Again, its part number is #900800 and comes included in the ASSA SFIC Pin Kit.

Calculating ASSA SFIC Pin Stacks

Those of you who have been calculating SFIC pin stacks for years might as well forget everything you know about it. That is because the new ASSA SFIC (Figure 12) pin stacks are determined in different ways: calculating bottom and master pins, determining the build-up pins and calculating the top pins each use alternate methods of calculations.



F12. Core Side View

Calculating the Bottom Pins and Master Pins

In order to accomplish this correctly, one must do the REVERSE of what you would normally do with a conventional fixed cylinder or SFIC pin stack. Traditionally, you would look at the key cuts for the change key and top master key. Whichever is the smaller bitting, that would become the bottom pin. The difference between the two would be the master pin value.

Since ASSA uses the inverse of the bottom pin dimensions, we do the opposite. The larger value of change key cut compared to master key cut will be the bottom pin. The difference of the 2 cuts becomes the master pin.

Let's use an example that ASSA uses in their Pin Calculator (discussed later) so that we can illustrate this point. Figure 13 shows the change key and master key bittings:



Change Key:	346858
Master Key:	135633

F13. Example change key & master key bitting

Looking now at the first chamber in Figure 14 (farthest left) of the two bittings, we see:

Change Key, Chamber #1:	3
Master Key, Chamber #1:	1

F14. Change key & master key bitting for only Chamber #1

Now, Figure 15 provides the formula for Determining BP and MP Values:

Formula for Determining BP and MP Values: <i>(from TMK & Change Key Cuts for ASSA SFIC Pin Segments)</i>	
1) Larger value:	_____ (Will be BP)
2) Subtract smaller value	– _____ (other cut)
3) Result:	_____ (Will be MP) <i>If both cuts same, no MP used</i>

F15. The formula for Determining BP and MP Values

3 Change Key Cut [larger value = **BP**]
 -1 Master Key Cut [smaller value]
 2 Master pin value = **MP**

One issue many students have is that they tend to confuse the key cut number with the pin number. Remember: they are different types of numbers! A key cut may not necessarily be a pin number and a pin value may not necessarily be a key cut number.

That being said, if we apply this 'altered' BP and MP formula, Figure 16 shows the core's partial pin stacks so far:

Master Pins:	2	1	1	2	2	5
Bottom Pins:	3	4	6	8	5	8

F16. The core's partial pin stacks for BPs & MPs



Calculating the Build-Up Pins

Conventional, or fixed cylinders do not have build-up pins (BUPs). Many interchangeable cores, especially those which have a separate shear lines such as SFICs, do. Some will call them 'control pins', which is the same thing as build-up pins.

Its purpose is to allow the control key to bring the pin stacks to the control shear line to allow the removal of the core from its housing or to insert the core into its housing.

Again, the formula to determine the BUP is different from that of a conventional SFIC (Figure 17). The ASSA SFIC Factory Build-Up Formula is:

Factory BUP Formula	
(Bottom Pin) - (Master Pins) - (CTRL Key Cut) + 5 = BUP	
<i>NOTE: A "0" result indicates no BUP</i>	

F17. Factory BUP Formula

There is also an alternate BUP formula (Figure 18), as there are usually a number of ways to achieve the same end. Try both out and you will see that you will get the exact same result. Whichever formula makes more sense to you or is easier to calculate is what you might use. To use the Alternate BUP Formula, it is necessary to calculate the top pins before the BUPs:

Alternate BUP Formula	
15 - (9 - BP) - MP - TP = BUP	
<i>NOTE: A "0" result indicates no BUP</i>	

F18. Alternate BUP Formula

Let's start with the Factory BUP Formula for Chamber #1(Figure 19). Figures 20 and 21 show the math and result:

Build-Up Pins:	?
Master Pins:	2
Bottom Pins:	3

F19. The Factory BUP Formula for Chamber #1

3 - 2 = 1 (Bottom Pin minus Master Pins)
1 - 5 = -4 (minus CTRL Key Cut)
-4 +5 = 1 (plus 5)
1 (BUP)

F20. Calculations for the Factory BUP Formula for Chamber #1



Build-Up Pins:	1
Master Pins:	2
Bottom Pins:	3

F21. BPs, MPs and BUPs for Chamber #1

To complete the core for BPs, MPs and now BUPs (Figure 22):

Build-Up Pins:	1	5	6	6	1	2
Master Pins:	2	1	1	2	2	5
Bottom Pins:	3	4	6	8	5	8

F22. Chart showing the complete core for BPs, MPs and BUPs

Calculating the Top Pins

Once again, this formula is easy, but still different from conventional SFICs. Simply add a value of "1" to the control key cuts (Figure 23):

Top Pin Formula
Control Key Cut +1 = TP

F23. The "Simple" TP Formula

Control Cut for Chamber #1: 5

5 + 1 = 6 (Top Pin)

To top off the core's pin stack for the Top Pins would be (Figure 24):

Top Pins	6	4	5	6	8	7
Build-Up Pins:	1	5	6	6	1	2
Master Pins:	2	1	1	2	2	5
Bottom Pins:	3	4	6	8	5	8

F24. The core's pin stacks with all TP's and ancillary pins

Let's take a look at and use that alternate BUP Formula) since we know the TP values (Figure 26. The chart is repeated without BUPs in Figure 25:



Top Pins	6	4	5	6	8	7
Build-Up Pins:						
Master Pins:	2	1	1	2	2	5
Bottom Pins:	3	4	6	8	5	8

F25. The core's pin stacks with all TP's and ancillary pins, bit omitting the BUPs

Alternate BUP Formula
15 - (9 - BP) - MP - TP = BUP
<i>NOTE: A "0" result indicates no BUP</i>

F26. Here is the Alternate BUP Formula

For chamber #1 without the BUP is in Figure 27, and with the BUP is shown in Figure 28:

Top Pins	6
Build-Up Pins:	?
Master Pins:	2
Bottom Pins:	3

F27. Pin stack for Chamber #1, without the BUP

$$\begin{aligned}
 15 - (9 - 3) \\
 (3 - 9) &= -6 \\
 15 - 6 &= 9 \\
 9 - 2 &= 7 \\
 7 - 6 &= 1
 \end{aligned}$$

Top Pins	6
Build-Up Pins:	1
Master Pins:	2
Bottom Pins:	3

F28. Pin stack for Chamber #1, with the BUP

For chamber #2 (Figure 29):

$$\begin{aligned}
 15 - (9-4) \\
 (9-4) &= 5 \\
 15 - 5 &= 10 \\
 10 - 1 &= 9 \\
 9 - 4 &= 5
 \end{aligned}$$



Top Pins	6	4
Build-Up Pins:	1	5
Master Pins:	2	1
Bottom Pins:	3	4

F29. Pin stacks for the first 2 chambers, all inclusive

Once again, two different roads can still take us to the same destination.

Checking Pin Stack Height

ASSA recommends the following formula (Figure 30) to check pin stack height:

Pin Stack Height Formula (TP + MP + BUP) - BP = 6
--

F30. ASSA's Factory Pin Stack Height Formula

Top Pins	6	4	5	6	8	7
Build-Up Pins:	1	5	6	6	1	2
Master Pins:	2	1	1	2	2	5
Bottom Pins:	3	4	6	8	5	8
TOTALS	6	6	6	6	6	6

F31. All pin stacks shown totaling "6" as per ASSA

As you can see in Figure 31, there will be uniform pin stack height of 6 in each chamber. For those who are purists and need to see 'why' this is so, we must remember that the bottom pins are only the inverse of their actual incremental value. So, one can use this formula instead (Figure 32):

Alternate Pin Stack Height Formula (must know TPs first) (9 - BP) + MP + BUP + TP = 15

F32. Here is the Alternate Pin Stack Height Formula



Top Pins	6	4	5	6	8	7
Build-Up Pins:	1	5	6	6	1	2
Master Pins:	2	1	1	2	2	5
Bottom Pins:	6	5	3	1	4	1
TOTALS	15	15	15	15	15	15

F33. A chart showing all pin stacks equaling 15 from the Alternate Pin Stack Height Formula

This alternate pin stack height formula, though adding one more step, shows the pin stack's true incremental height of 15 (Figure 33). But, for simplicity, I would recommend using the factory's formula totaling 6 for each chamber. A list of all of these formulas in a matrix can be found in Figure 34, which follows.



ASSA MAXIMUM+ SFIC Formulas	
Formula for Determining BP and MP Values: <i>(from TMK & Change Key Cuts for ASSA SFIC Pin Segments)</i>	
1) Larger value:	_____ <i>(Will be BP)</i>
2) Subtract	– _____ <i>(other cut)</i> <i>smaller value</i>
3) Result:	_____ <i>(Will be MP)</i> <i>If both cuts same, no MP used</i>
Factory BUP Formula	
(Bottom Pin) - (Master Pins) - (CTRL Key Cut) + 5 = BUP	
<i>NOTE: A "0" result indicates no BUP</i>	
Alternate BUP Formula	
15 - (9 - BP) - MP - TP = BUP	
<i>NOTE: A "0" result indicates no BUP</i>	
Pin Stack Height Formula	
(TP + MP + BUP) - BP = 6	
Alternate Pin Stack Height Formula <i>(must know TPs first)</i>	
(9 - BP) + MP + BUP + TP = 15	

F34. A comprehensive chart illustrating all of the ASSA MAXIMUM+ SFIC Formulas

ASSA Pin Stack Calculator

Now that you see the hows & whys of calculating the pin stacks for the ASSA SFIC, it is not difficult at all. But, to further assist you, ASSA had created an EXCEL calculator that can take the CK, MK and CTRL key bittings and quickly whip them up into six useable pin stacks in a jiffy. Notice the two green boxes (Figure 35). This alerts you to the fact that your predetermined control key bitting may not be useable within this system if it appears red in color. If so, alter it so that the cut is deeper. Furthermore, ASSA requires at least one cut on the control key to be deeper than any operating key cut. Note that the MACS of 5 is shown as a reference. Figure 35 illustrates this. You can access it via the LSA Michigan web site at:



https://www.lsamichigan.org/Tech/ASSA_SFIC_Pinning_Calculator_Web.xlsx

NOTE: Since this is an EXCEL file and not an .EXE file, you will need to download it, save it to your device (desktop, computer, phone, etc), and open the file. You will need an EXCEL program on your device to work it. You cannot OPEN it online and expect it to work ☹!

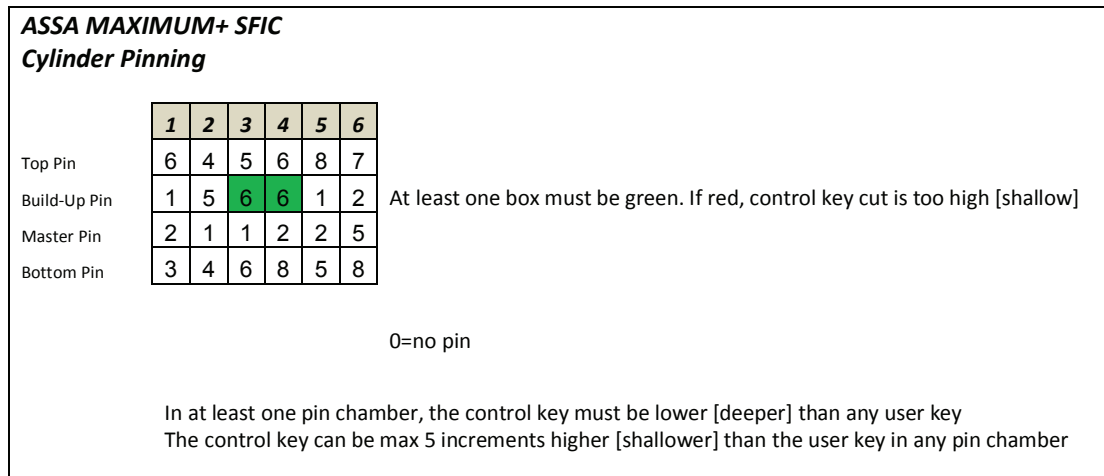


Figure 35. A graphic from the ASSA MAXIMUM+ SFIC Cylinder Pinning via an Excel File

Conclusions

ASSA has created a revolutionary new SFIC system, A5, that can accommodate many more bittings than in any other existing SFIC system, without the use of side pins, side cuts or any other mechanical add-on device. They were able to successfully utilize their existing .0235" increment system and .150" spacing to effectively offer an SFIC with a standard pin diameter of .108" that can retrofit existing SFIC hardware. If you are interested in acquiring this system, feel free to contact Thomas R. Demont, AHC, CFDI, CFL, CMIL, CML, CMST, IFDI, ICML, LSFDI, ARL, CAI through ASSA Technical Services, Inc. at (724) 969-2595 for product fulfillment or further system questions. **'Additional Considerations'** for TMKs, CTRLs and using ASSA SFICs with A2, A3 & A4 systems are on the following pages of this Technical Manual.

Happily, ASSA has stepped up to the plate, at a time when SFIC is as common to locksmiths as bread-n-butter, and options are extensive as we have seen over the last century. But, when a manufacturer can think outside of the box, the ramifications for the industry are striking and is a further indication that SFIC isn't going anywhere, anytime soon...other than becoming even more expansive than it already is.

* * * * *

Special thanks are extended to: **ASSA, Inc. USA, Bo Widen, Widen Innovation, Inventor of the ASSA SFIC, Daniel Andersson, ASSA Sweden, Engineer, Lance Berger, Lberger Sales, LLC, Manufacturer's Rep, John Hubel, CML, ICML, M.Ed. and Tom Demont, AHC, CFDI, CFL, CMIL, CML, CMST, IFDI, ICML, LSFDI, ARL, CAI, ASSA Technical Services, Inc. for assistance in preparing for this Technical Manual.**



ADDITIONAL CONSIDERATIONS

Creating an ASSA SFIC A5 System Top Master Key

When setting up your ASSA SFIC system, establishing the TMK is accomplished the same way as is done in any conventional system. Here are a few specific considerations:

- 1) Make sure the numbers match the possible bottom pins in the system (1-8: no 0 and no 9)
- 2) Observe MACS. No adjacent cut may be greater than 5 (i.e., 2 next to a 5 is OK; 1 next to a 7 is forbidden)
- 3) Follow industry guidelines for creating an appropriate TMK

12 Rules for Selecting a TMK

- 1) One of the TMK cuts should be the **deepest** possible (avoid the bow)
-security (picking); key integrity (key bow breakage)
- 2) Never make **all cuts deep**
-security (all change keys can be filed down to a TMK)
- 3) One of the TMK cuts should be the **shallowest** possible (avoid the tip)
-security (altering); key/lock wear
- 4) Never make **all cuts shallow**
-security (picking); key/lock wear
- 5) Never make a TMK become a **declining or ascending** step key
-security (picking; turned plug - key out = unlocked); key/lock wear
- 6) Never make a TMK have a **straight line** combination
-security (toothpick opens); wear (eventual key pull out in open position)
- 7) Avoid **shallow/deep extremes** [ex.: 9180908]
-mechanical (premature wear on keys and locks)
- 8) Use **moderate shallow/deep** cut-to-cut variation
-system (may provide more useable bittings, less MACS loses)
- 9) Do not use **pre-written systems** found in books, internet, classes, etc.
-liability (keep excellent records; store in a safe; make all systems different)
- 10) Observe specific **manufacturer rules**
-key system peculiarities (manufacturers have reasons)
- 11) Alternate **parity**
-key system security (keeping systems distinct)
- 12) Maintain **TMK Register**
-key system security (avoids unknowing duplication of systems)



Creating an ASSA SFIC A5 System Control Key

The procedure is similar as with standard SFIC systems. Once the TMK has been created, diagram a simple KBA. Our example TMK bitting will be 574346:

5	7	4	3	4	6
6	8	5	4	5	7
7	1	6	5	6	8
8	2	7	6	7	1
1	3	8	7	8	2
2	4	1	8	1	3
3	5	2	1	2	4
4	6	3	2	3	5

Create the control key by selecting a bitting number in each column below the TMK. Be careful to watch for any MACS violations. Use similar factors as shown in the previous section on Creating a TMK. Be aware that some systems may use a bitting from the TMK within the control bitting. Our example control bitting will be:

2 4 7 8 5 1

Do not worry about parity (odd/even) in each column. ASSA SFIC A5 is a single-step system where parity is not applicable.

Once you have selected your new control key, be sure to strike it from the progression list. It should NOT be used in the system as a change key.

ASSA has also listed several other considerations related to the control key:

- 1) In at least one pin chamber, the control key MUST be lower (deeper) than any user key. [1=deepest cut; 8=shallowest cut]
- 2) The control key can be a maximum of 5 increments higher (shallower) than the user key in any pin chamber [1=deepest cut; 8=shallowest cut]

Decoding for the Control Key

Since the control key is usually a random change key bitting extracted from the system, there will be no method to determine its value by key comparisons or extrapolation. To decode for the control, one will need to have access to a combined core, remove the top pin in each chamber, measure each with a caliper and use the formula shown next:

Determining the Control Key
Top Pin – 1 = Control Key Cut



Using A2, A3 and A4 Systems with the ASSA SFIC Maximum+

If you choose to combine the ASSA SFIC Maximum+ using standard SFIC pins (not the dedicated ASSA SFIC Pin Kit), you must allow for the shallower plug which accommodates the ASSA key. The pin stack totals for A2, A3 or A4 systems are calculated the same as usual.

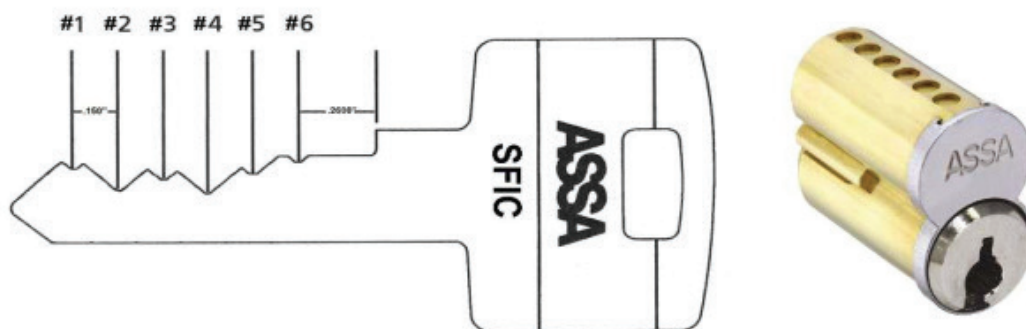
The only extra consideration while combining will be the value of the top pin. This is where we make up the difference of a shallower plug in the ASSA SFIC as related to the ASSA SFIC pin stack total of .4385". Thus, the pin stack will be a bit larger in non-A5 systems to allow for proper spring pressure on the stack. In A2 we will add 3 extra increments so the pin stack will total a coded 26. Two other adjusted values for A3 and A4 are also shown in the chart below:

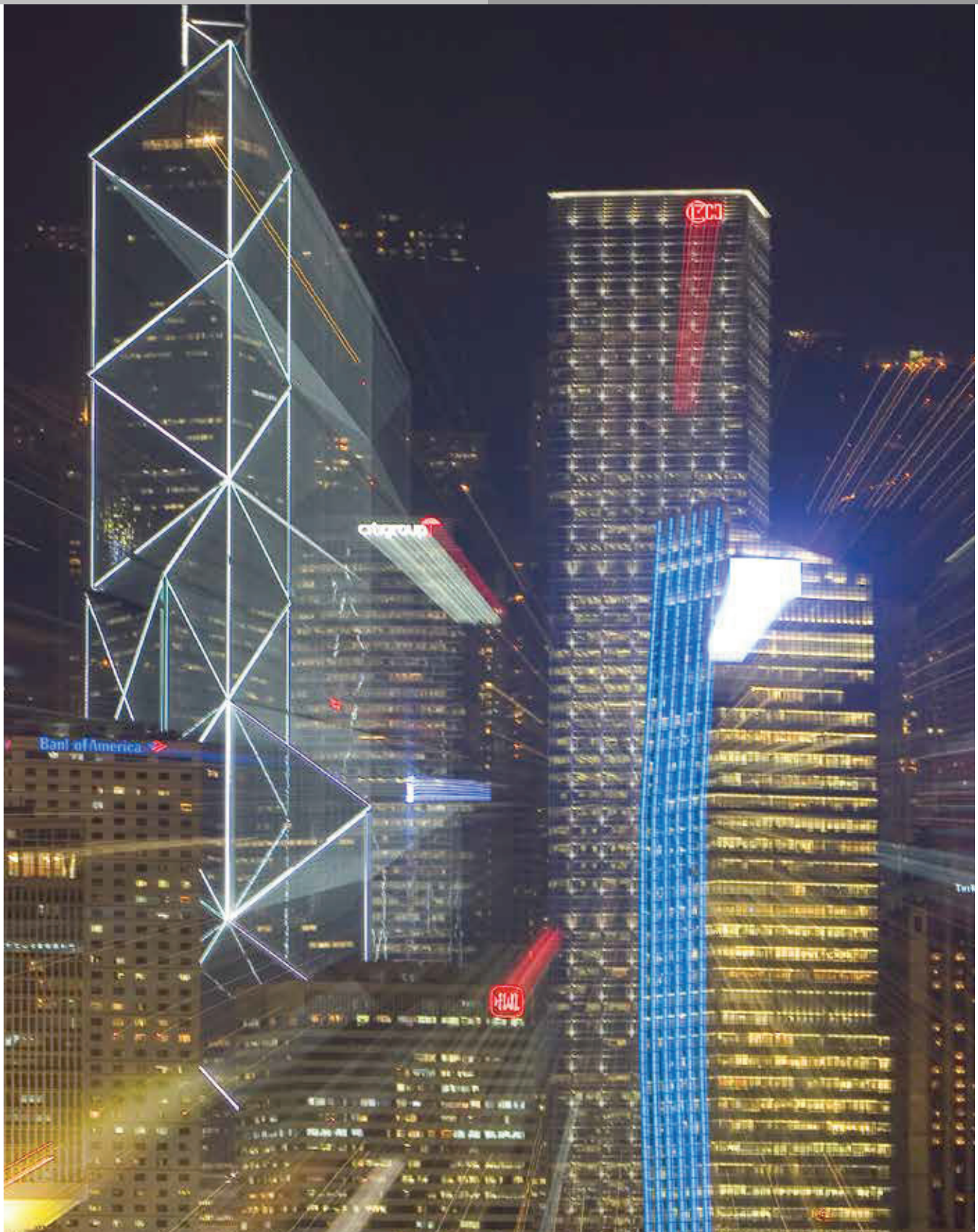
Use of Standard SFIC Pins in an ASSA Maximum+ SFIC				
Standard SFIC System	Pin Stack Measurement	Increment Measurement	Coded Pin Stack Height in Standard SFIC	Coded Pin Stack Height in ASSA SFIC
A2	.397"	.0125"	23	26
A3	.398"	.018"	16	18
A4	.404"	.021"	14	15

All keys will operate as usual with no adverse effects on the system. If the plug tends to turn a bit harder, you might lessen the top pin by one increment.

The other factor will be originating the ASSA SFIC key when using standard SFIC pins. You will need to set up a new DSD, or adjust a current one. Depths are the same, as based on each of the respective A2, A3 or A4 systems.

Spacing is the biggest factor. Again, since there is no tip stop on the ASSA SFIC key, it will be gauged from the shoulder on the bow. The key will still be cut tip to bow. The first cut will be measured from the bow to the center of the first tip cut, and so on. Spacing from cut to cut will remain .150". The distance from the shoulder stop to the center of the 6th cut is .2600". Below is an image to illustrate this:





Scandinavian Products

Architectural Hardware
Price List for May 1, 2021





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Finishes

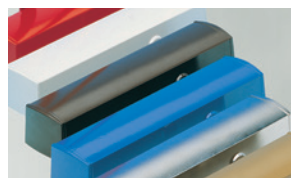
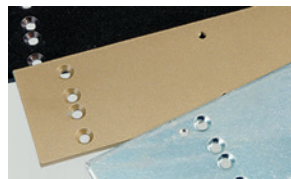
Finish codes

000	No finishing
001	Prion (nickel proof)
002	Bright nickel
003	Addion (anti-bacterial and nickel proof)
011	Bright chrome
013	Satin chrome
017	Black chrome (padlocks)
020	Polished brass
021	Satin brass
031	Stainless steel
044	Brown oxidized
054	Zinc-alloy, black
054	Zinc-alloy, yellow, non lacq.
057	Bright zinc plated
060	Yellow chromate
062	Zinc-alloy, yellow
063	Powder painted, brown epoxy
064	Powder painted, black epoxy
065	Powder painted, light grey epoxy
066	Powder painted, black
067	Powder painted, white epoxy
077	Powder painted, silver epoxy
079	Black, rislan
083	Protective acetal
084	Black acetal
085	White acetal
087	Grey acetal
090	Blue acetal
091	Green acetal
092	Powder painted, gold epoxy
099	Brown acetal
180	Aluminium
181	Aluminium, anodized silver
182	Aluminium, anodized brass
183	Aluminium, black epoxy
184	Aluminium, pink epoxy
185	Aluminium, red epoxy
186	Aluminium, blue epoxy

187	Aluminium, white epoxy
188	Aluminium, green epoxy
189	Aluminium, polished
192	Powder painted, bronze epoxy
267	Powder painted, white epoxy

Finish codes

EV1	Silver
8014	Brown
9005	Black
9016	White



Prion®



Nickel



Addion®



Bright chrome



Satin chrome



Polished brass



Satin brass



Brown oxidized



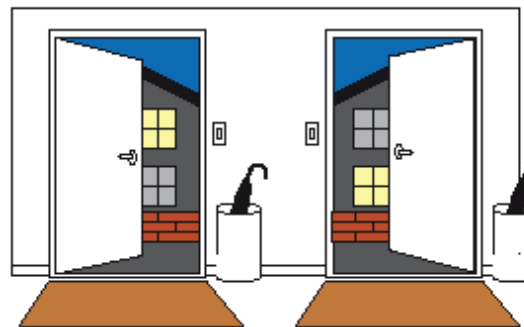
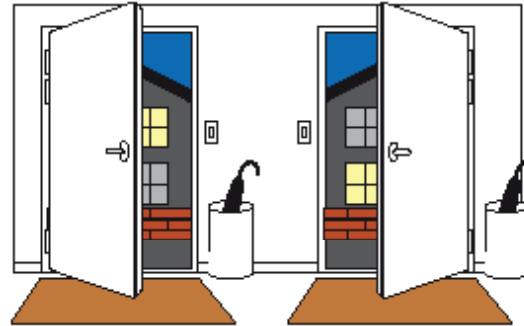
Stainless steel



General information

Lock cases

- Door handing is important to get the correct function, see picture and note that the side of the hinge knuckles indicates left or right hand fitting.
- For Modular lock Right handing is indicated with variation code 103 and left handing variation code 105.
- Variation code ending with 7 (XX7) indicate that the Lock case is universal and can be used for both right hand and left hand fitting
- Strike plates are ordered separately
- Faceplates are 22 mm wide unless other is indicated
- Modular Lock cases are always delivered with symmetrical face plate
- Available in different finishes, see page about Finishes.

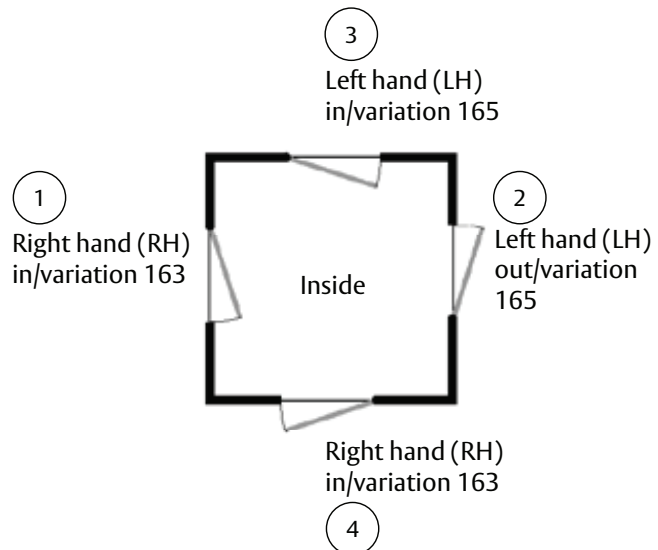


Split spindle

- Split spindle function have 4 different options of door handing – see picture

1. Left hand inwards opening, variation code XX5 (eg 165)
2. Right hand inwards opening, variation code XX3 (eg 163)
3. Left hand outwards opening, variation code XX5 (eg 165)
4. Left hand outwards opening, variation code XX3 (eg 163)

For more information see catalogue ASSA Modular Lock cases.



Split spindle
variations for
each door
enterance



Microswitch Functions, Modular Locks

Application	Microswitch function	Lock case	Narrow profile	Extra
Alarm by-pass, Model M1.	Bistable function. Microswitch is depressed when bolt is in withdrawn position, changes when bolt leaves withdrawn position.	8765, 9788 7787, 9787		8788
Alarm by-pass and indication, Model M2.	Two microswitches. One has a bistable function and is depressed when bolt is in withdrawn position. Changes when bolt leaves withdrawn position. The other has a momentary function. Indicates use of exit. Is depressed and changes in operation. Returns when thumbturn is released.	8768		
Alarm by-pass and alarm circuit, Model M3.	Bistable function. Two microswitches. One is depressed at unthrown bolt. The other is pushed in at thrown and deadlocked bolt.	8765, 9788 7787, 9787		8788
Alarm circuit, Model M4.	Bistable function. Microswitch depressed at thrown bolt. Changes when bolt leaves extended position.		13787	
Alarm circuit, Model M5.	Bistable function. Microswitch depressed at thrown and deadlocked bolt. Indication of bolt thrown and deadlocked. Changes when deadlocking is released and bolt leaves extended position.	8765, 9788 7787, 9787 565		8788
Indication, Model M6.	Momentary function. Microswitch depressed and changed when opening with key or thumbturn.	560, 562, 564 1560, 5584 5585, 6580 6585		
Indication, Model M7.	Momentary function. Microswitch indicates movements of the emergency exit accessory. Microswitch depressed and changed when emergency exit accessory is used. Returns when thumbturn is released.	8768 8561, 8562	1361	
Indication, Model M8.	Momentary function. Microswitch indicates use of exit, key or thumbturn. Is depressed and changed in operation.	8561, 8562		
Indication, Model M9.	Momentary function. Microswitch indicates position of the cylinder latch. Is depressed and changed in operation.	560, 562, 564 1560, 5584 5585, 6585 8561, 8562		
Indication, Model M13.	Bistable function. Two microswitches. One is depressed at unthrown bolt. The second is depressed when thumbturn is disabled.	2000		



Connect



212-50



220-50



222-50



223-50



230-50



231-50



232-50

Connect 200-series, latch locks

Name	Ordering number	Variation code	Information	Price in USD	
				031	057
212-35	35 75 26	163-165			\$192.00
212-50	35 75 14	163-165			\$200.50
212-70	35 75 27	163-165			\$248.25
220-35	35 75 20	163-165			\$167.50
220-35 MF	35 75 20	433-435			\$492.25
220-50	35 75 11	163-165		\$169.50	
220-50 ML	35 75 11	433-435		\$434.00	
220-70	35 75 21	163-165			\$261.25
221-35	35 75 22	163-165			\$255.00
221-35 MF	35 75 22	433-435			\$492.25
221-50	35 75 12	163-165		\$169.50	
221-50 ML	35 75 12	433-435		\$434.00	
221-70	35 75 23	163-165			\$261.25
222-35	35 75 24	163-165			\$255.00
222-35 MF	35 75 24	433-435			\$492.25
222-50	35 74 23	163-165		\$204.50	
222-50 MF	35 74 23	433-435		\$434.00	
222-70	35 75 25	163-165			\$261.25
223-35	35 75 42	163-165			\$276.50
223-50	35 75 13	163-165			\$225.25
230-35	35 76 83	163-165			\$252.50
230-35 MF	35 76 83	433-435			\$377.75
230-50	35 76 84	163-165		\$225.25	
230-50 ML	35 76 84	433-435		\$439.75	
230-70	35 76 85	163			\$277.25
231-35	35 76 86	163-165			\$252.50
231-35 MF	35 76 86	433-435			\$499.00
231-50	35 76 87	163-165		\$225.25	
231-50 ML	35 76 87	433-435		\$439.75	
231-70	35 76 88	163-165			\$277.25
232-35	35 76 89	163-165			\$252.50
232-35 MF	35 76 89	433-435			\$499.25
232-50	35 76 90	163-165		\$225.25	
232-50 MF	35 76 90	433-435		\$439.75	
232-70	35 76 91	163-165			\$277.25
236-35	35 75 93	163-165			\$327.00
236-70	35 75 95	163-165			\$302.50



Connect



310-50



311-50



313-50



410-50



411-50

Connect 300-series, hook bolt locks

Name	Ordering number	Variation code	Information	Price in USD
				057
310-35	35 75 28	163-165		\$236.50
310-35 MA	35 75 28	433-435		\$462.00
310-50	35 74 24	163-165		\$183.75
310-50, large pack	35 74 24	883-885		\$180.75
310-50 MA	35 74 24	433-435		\$415.25
310-70	35 75 29	163-165		\$235.75
310-70 MA	35 75 29	433-435		\$453.50
311-35	35 75 30	167		\$235.00
311-35 MA	35 75 30	437		\$462.00
311-50	35 75 15	167		\$225.50
311-50 MA	35 75 15	437		\$415.25
311-70	35 75 31	167		\$299.75
311-70 MA	35 75 31	437		\$453.50
313-35	35 76 80	167		\$272.50
313-50	35 76 81	167		\$239.00
313-70	35 76 82	167		\$285.75

Connect 400-series, approved hook bolt locks

Name	Ordering number	Variation code	Information	Price in USD
				057
410-35	35 75 38	163-165		\$287.75
410-35 MA	35 75 38	433-435		\$559.25
410-50	35 74 25	163-165		\$236.50
410-50, large pack	35 74 25	883-885		\$230.00
410-50 MA	35 74 25	433-435		\$513.00
410-70	35 75 39	163-165		\$296.75
410-70 MA	35 75 39	433-435		\$551.00
411-35	35 75 40	167		\$284.50
411-35 MA	35 75 40	437		\$559.25
411-50	35 74 39	167		\$246.50
411-50, large pack	35 74 39	887		\$229.50
411-50 MA	35 74 39	437		\$513.00
411-70	35 75 41	167		\$300.50
411-70 MA	35 75 41	437		\$551.00



Connect



510-50



511-50



2500-50



2002-50



415-50

Connect 510, 511 and 2500, approved hook bolt locks

Name	Ordering number	Variation code	Information	Price in USD	
				031	057
510-50	36 49 88	163-165			\$276.25
510-50 MO	36 49 88	433-435			\$536.50
511-50	70 80 93	167		\$286.25	
511-50 mikro MA	70 80 93	437		\$546.25	
2500-50	36 49 67	163-165			\$293.25

Connect 2000-series, approved hook bolt locks

Name	Ordering number	Variation code	Information	Price in USD	
				057	
2002-50	35 76 02	163-165		\$254.50	
2002-50, large pack	35 76 02	883-885		\$248.25	
2002-50 MB	35 76 02	433-435		\$548.75	
2002-50 asym	36 24 60	163-165		\$254.50	
2002-70	35 76 03	163-165		\$323.50	

ASSA Connect double cylinder lock

Name	Ordering number	Variation code	Information	Price in USD	
				057	
415-50	36 04 91	167		\$334.25	



Connect



610-50



620-50



621-50



622-50

Connect 600-series, split spindle locks

Name	Ordering number	Variation code	Information	Price in USD
				057
610-50 RH out/LH in	70 80 37	163-165		\$269.50
610-50 LH out/RH in	70 80 36	165-163		\$269.50
620-35 RH out/LH in	35 76 74	163-165		\$326.75
620-35 RH out/LH in MC	35 76 74	433-435		\$562.50
620-35 LH out/RH in	35 78 70	165-163		\$326.75
620-35 LH out/RH in MC	35 78 70	435-433		\$575.50
620-50 RH out/LH in	35 76 75	163-165		\$278.50
620-50 RH out/LH in MC	35 76 75	433-435		\$519.25
620-50 LH out/RH in	35 78 71	165-163		\$278.50
621-35 RH out/LH in	35 76 77	163-165		\$326.75
621-35 RH out/LH in MC	35 76 77	433-435		\$575.50
621-35 LH out/RH in	35 78 73	165-163		\$326.75
621-35 LH out/RH in MC	35 78 73	435-433		\$575.50
621-50 RH out/LH in	35 76 78	163-165		\$278.50
621-50 RH out/LH in MC	35 76 78	433-435		\$519.25
621-50 LH out/RH in	35 78 74	165-163		\$278.50
621-50 LH out/RH in MC	35 78 74	435-433		\$519.25
622-35 RH out/LH in	35 86 71	163-165		\$326.75
622-35 RH out/LH in	35 86 71	433-435		\$575.50
622-35 LH out/RH in	35 86 70	165-163		\$326.75
622-35 LH out/RH in MC	35 86 70	435-433		\$575.50
622-50 RH out/LH in	35 86 73	163-165		\$278.50
622-50 RH out/LH in MC	35 86 73	433-435		\$519.25
622-50 LH out/RH in	35 86 72	165-163		\$278.50
622-50 LH out/RH in MC	35 86 72	435-433		\$394.25



Connect



624-50



636-50



640-50

Connect 600-series, split spindle locks

Name	Ordering number	Variation code	Information	Price in USD	
				000	057
624-35 RH out/LH in	35 75 99	163-165			\$326.75
624-35 RH out/LH in MC	35 75 99	433-435			\$562.50
624-35 LH out/RH in	35 78 76	165-163			\$326.75
624-35 LH out/RH in MC	35 78 76	435-433			\$562.50
624-50 RH out/LH in	35 76 00	163-165			\$278.50
624-50 RH out/LH in MC	35 76 00	433-435			\$519.25
624-50 LH out/RH in	35 78 77	165-163			\$278.50
624-50 LH out/RH in MC	35 78 77	435-433			\$519.25
636-50 RH out/LH in	36 13 34	163-165			\$278.50
636-50 RH out/LH in MC	36 13 34	433-435		\$609.50	
636-50 LH out/RH in	36 13 39	165-163			\$278.50
636-50 LH out/RH in MC	36 13 39	435-433			\$609.50
640-35 RH out/LH in	35 75 96	163-165			\$317.75
640-35 RH out/LH in MA	35 75 96	433-435			\$597.50
640-35 LH out/RH in	35 78 79	165-163			\$442.75
640-35 LH out/RH in MA	35 78 79	435-433			\$597.50
640-50 RH out/LH in	35 75 97	163-165			\$269.50
640-50 RH out/LH in MA	35 75 97	433-435			\$580.25
640-50 LH out/RH in	35 78 80	165-163			\$269.50
640-50 LH out/RH in MA	35 78 80	435-433			\$580.25
640-70 RH out/LH in	35 75 98	163-165			\$336.50
640-70 LH out/RH in	35 78 81	165-163			\$336.50



Modular Classic



560-50



562-50



564-50



1498-50



1560-50



5584-50



5585-50



6580-50



6585-50

Modular Classic, latch locks

Name	Ordering number	Variation code	Information	Price in USD	
				031	057
560/50	46 91 60	163-165			\$206.25
560/50, large pack	46 91 60	883-885			\$202.75
560/50 M6	46 91 60	333-335			\$400.50
560/50 M9	46 91 60	343-345			\$400.50
560/50 asym	46 91 59	163-165			\$214.25
560/50 asym, large pack	46 91 59	883-885			\$210.25
562/50	46 91 69	163-165			\$206.25
562/50, large pack	46 91 69	883-885			\$202.75
562/50 M6	46 91 69	333-335			\$400.50
564/50	46 95 46	163-165			\$244.75
1498/50	46 91 19	163-165			\$190.75
1560/50	46 91 71	163-165			\$206.25
1560/50, large pack	46 91 71	883-885			\$202.75
1560/50 M6	46 91 71	333-335			\$400.50
1560/50 M9	46 91 71	343-345			\$400.50
1560/50 asym	46 91 70	163-165			\$214.25
1560/50 asym, large pack	46 91 70	883-885			\$210.25
1560/70	81 62 14	163-165			\$257.00
5584/50	46 91 73	163-165			\$237.75
5584/50 M6	46 91 73	333-335			\$400.50
5584/50 HD	35 44 30	163-165		\$245.50	
5585/50	46 91 75	163-165			\$237.75
5585/50 M6	46 91 75	333-335			\$400.50
5585/50 M9	46 91 75	343-345			\$400.50
5585/50 HD	35 44 32	163-165		\$245.50	
6580/50	46 91 79	163-165			\$247.50
6580/50 M6	46 91 79	333-335			\$400.50
6585/50	46 93 29	163-165			\$247.50
6585/50 M6	46 93 29	333-335			\$400.50
6585/50 M9	46 93 29	343-345			\$206.25



Modular Classic



8561-50



8562-50



565-50



566-50



2587-50



2588-50

Modular Classic, latch locks

Name	Ordering number	Variation code	Information	Price in USD	
				031	057
8561/50	46 91 77	163-165			\$279.25
8561/50 M7	46 91 77	343-345			\$486.00
8561/50 M8	46 91 77	333-335			\$611.00
8561/50 M9	46 91 77	353-355			\$486.00
8561/50 asym	46 91 76	163-165			\$294.25
8561/50 HD	35 44 48	163-165		\$281.00	
8561/70	80 30 59	163-165			\$302.50
8562/50	46 93 79	163-165			\$279.25
8562/50 M7	46 93 79	343-345			\$465.00

Modular Classic, bolt locks

Name	Ordering number	Variation code	Information	Price in USD	
				057	
565/50	46 91 06	163-165		\$188.25	
565/50, large pack	46 91 06	883-885		\$185.25	
565/50 M5	46 91 06	333-335		\$431.25	
565/50 asym	46 76 85	163-165		\$193.75	
565/50 asym, large pack	46 76 85	883-885		\$189.75	
566/50	46 91 21	167		\$254.00	
566/50 M5	46 91 21	337		\$467.50	
566/50, asym	46 88 06	167		\$272.25	
566/70	35 62 96	167		\$293.75	
2587/50	35 34 52	167		\$247.50	
2588/50	46 91 14	167		\$242.50	



Modular Classic



Modular Classic, approved bolt locks

Name	Ordering number	Variation code	Information	Price in USD		
				057		
2000/50	80 25 88	163-165		\$289.25		
2000-50, large pack	80 25 88	883-885		\$282.00		
2000/50 asym, large pack	80 25 87	883-885		\$302.75		
7787/50	35 33 37	163-165		\$251.25		
7787/50 M3	35 33 37	353-355		\$457.50		
8765/50	46 91 05	163-165		\$211.50		
8765/50, large pack	46 91 05	883-885		\$207.25		
8765/50 M3	46 91 05	353-355		\$439.75		
8765/50 asym	46 75 92	163-165		\$222.75		
8765/50 asym, large pack	46 75 92	883-885		\$218.50		
9787/50	35 33 41	167		\$251.25		
9787/50, large pack	35 33 41	887		\$244.75		
9787/50 M3	35 33 41	357		\$477.75		
9787/50 asym	35 33 42	167		\$263.50		
9788/50	46 91 09	167		\$245.75		
9788/50 M3	46 91 09	357		\$461.25		
9788/70	80 64 72	167		\$299.50		
9788-70 mikro M3	80 64 72	357		\$503.00		

Modular Classic, split spindle

Name	Ordering number	Variation code	Information	Price in USD		
				013	031	057
504/50 RH out/LH in	80 33 58	163-165		\$722.25		\$708.75
504/50 LH out/RH in	80 43 59	165-163		\$722.25		\$708.75
504-50 HD RH out/ LH in	35 44 22	163-165			\$565.50	
504-50 HD LH out/ RH in	35 44 23	165-163			\$565.50	
506/50 RH out/LH in	81 62 19	163-165				\$583.75
506/50 LH out/RH in	81 62 13	165-163				\$583.75
509/50 RH out/LH in	80 33 60	163-165				\$583.75
509/50 LH out/RH in	80 33 61	165-163				\$583.75
1520/50 RH out/LH in	80 47 47	163-165		\$586.00		\$572.25
1520/50 LH out/RH in	80 47 48	165-163		\$586.00		\$572.25
1520/70 RH out/LH in	80 47 49	163-165		\$529.25		\$638.75
1520/70 LH out/RH in	80 47 50	165-163		\$529.25		\$638.75



Modular Classic



5761-50



5761:1



5761:3



585-50



2580-50



8788-50

Double cylinder lock 5761, Lock cases and accesso

Name	Ordering number	Variation code	Information	Price in USD			
				002	013	054	057
5761/50	35 37 20	163-165			\$315.75	\$313.25	\$309.00
Accessory kit 5761:1	80 82 47	100		\$401.75			
Accessory kit 5761:3	80 82 48	100		\$536.75			
Handle 6640 1 set	47 00 41	201-202		\$149.25			

Extra locks

Name	Ordering number	Variation code	Information	Price in USD			
				057			
585/50	80 65 40	163-165		\$286.50			
2580/50	80 65 41	163-165		\$286.50			
8788/50	46 95 77	108		\$271.25			
8788/50 M3	46 95 77	358		\$499.25			



Narrow Profile Classic



Narrow profile Classic

Name	Ordering number	Variation code	Information	Price in USD
				057
1361S/28	35 50 52	163		\$311.00
1362S/28	35 50 42	163		\$297.75
1380S/28	35 50 46	163		\$294.50
1385S/28	35 50 44	163		\$294.50
1398S/28	35 50 48	163		\$259.75
13585S/28	35 50 50	163		\$294.50
Face plate 22 mm				
1361S/28 M7	35 50 52	333-335		\$509.50
Face plate 25 mm				
1361/28	80 40 94	163-165		\$311.00
1362/28	80 39 28	163-165		\$297.75
1380/28	80 40 92	163-165		\$294.50
1385/28	80 39 29	163-165		\$294.50
1398/28	80 39 30	163-165		\$259.75
13585/28	80 47 93	163-165		\$294.50
13787/28	46 85 73	107		\$324.25
13787/28 M4	46 85 73	337		\$503.00



Striking Plates



1487-2



1489-11



1264-2



1266-1



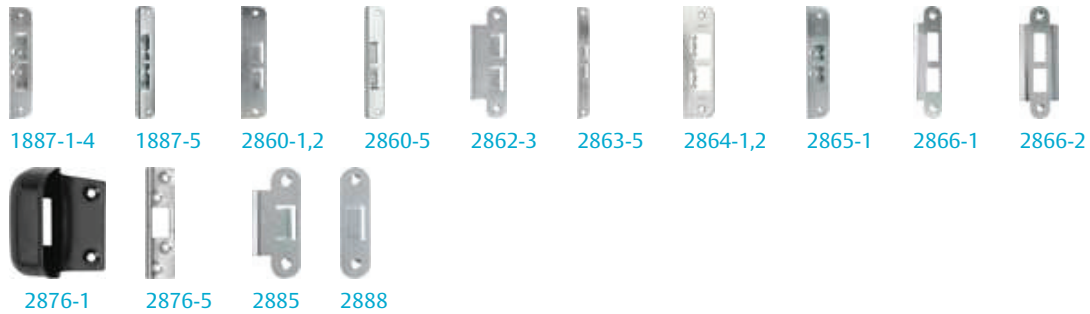
1266-2

Strikes for lock cases in the ASSA Connect

				Price in USD		
Name	Ordering number	Variation code	Information	011	054	057
Security strikes						
1487-1 flat	35 75 45	167	40x13,5x200		\$89.00	\$83.25
1487-1 flat, large pack	35 75 45	867	40x13,5x200			\$81.75
1487-2 flat	35 75 46	167	40x16,5x200		\$89.00	\$83.25
1487-2 flat, large pack	35 75 46	867	40x16,5x200			\$81.75
1487-3 flat	35 75 47	167	43,5x20x200		\$94.00	\$89.00
1487-4 flat	35 75 48	167	45x21,5x200		\$94.00	\$89.00
1487-5 angle	35 75 49	167	29,5x5,5x29,5 x200		\$96.75	\$91.25
1487-9 flat	35 77 08	167	25x245 For use with profile doors			\$86.50
1487-10 flat	35 90 37	167				\$88.00
1487-11 flat	35 94 48	167		\$88.75		
1487-12 flat	35 94 49	167		\$88.75		
1489-11 flat	36 45 09	167	Adjustable lip 12-18 mm			\$93.00
1489-12 flat	36 45 05	167	Adjustable lip 17-23 mm			\$93.00
Strikes						
1264-1 flat	35 72 07	167	36x13,5x150			\$70.00
1264-1 flat, large pack	35 72 07	867	36x13,5x150			\$68.75
1264-2 flat	35 72 08	167	36x16x150			\$70.00
1264-2 flat, large pack	35 72 08	867	36x16x150			\$68.75
1264-3 flat	35 77 30	167	36x19x150			\$74.50
1264-4 flat	35 77 32	167	40x23x150			\$74.50
1264-5 flat	35 77 28	167	36x13x150 Bent front edge			\$74.50
1264-6 flat	35 77 29	167	36x16x150 Bent front edge			\$74.50
1264-7 flat	35 77 31	167	40x20x150 Bent front edge			\$76.00
1264-8 angle	35 77 33	167	22x5,5x24x150			\$75.75
1266-1 single sided	35 83 03	167				\$70.75
1266-2 double sided	35 83 04	167				\$12.50
Spacers for flat security striking plates 1487 and 1887						
1895-1	35 13 68	100				\$83.50
1895-2	35 13 69	100				\$83.50
Variation code 167 indicates sets of 5 packed in bags.						
Variation code 867 indicates big packs of 50 pcs.						



Striking Plates



Striking plates for lock cases in ASSA Classic-series

				Price in USD			
Name	Ordering number	Variation code	Information	031	054	057	066
Security strikes							
1887-1 flat	35 33 55	167				\$70.75	
1887-2 flat	35 33 56	167			\$89.00	\$70.75	
1887-3 flat	35 33 57	167				\$87.75	
1887-4 flat	35 33 58	167			\$68.00	\$50.25	
1887-5 angle	35 34 67	167				\$50.25	
1889-11 flat	36 45 11	167	Adjustable lip 12-18 mm			\$68.00	
1889-12 flat	36 45 07	167	Adjustable lip 17-23 mm			\$68.00	
Strikes							
2860-1 flat	40 76 07	103-105	35x15,5x155			\$49.50	
2860-2 flat	46 40 36	103-105	41,5x22x155			\$50.25	
2860-5 angle	40 76 08	103-105	24x3,5x22x155			\$51.75	
2862-2 flat	45 10 57	107	40x22x125			\$50.00	
2862-3 flat	46 11 26	107	33x15x213			\$78.50	
2863-5 angle	45 94 13	107	22x4x8x215			\$87.00	
2863-6 angle	45 94 15	107	22x4x20x215			\$79.75	
2864-1 flat	80 73 43	167				\$69.00	
2864-1 flat, large pack	80 73 43	867				\$68.25	
2864-2 flat	80 73 44	167				\$69.00	
2864-2 plant, storpack	80 73 44	867				\$68.25	
2865-1 flat	35 18 30	107	40x12,5x200 no support screws			\$80.50	
2861	81 63 86	107				\$71.00	
2866-1 single sided 566	46 06 61	103-105	33x14,5x127			\$77.75	
2866-2 double sided 566							
2876-1	45 07 51	100	60x9x70, Black				\$61.75
2876-5 angle	45 07 56	168				\$55.25	
2885 flat	46 13 59	107	36x17,5x85			\$62.50	
2887-1 2587	80 78 68	107	25x125			\$76.00	
2887-2 2587	80 78 72	108	40x132			\$86.50	
2888 flat	46 13 62	107	22x83			\$73.25	
2892-5 angle	40 65 47	108	20x2x12,5x50			\$68.75	
2892-6 angle	40 64 71	108	17x6x50			\$67.50	
2800-2	80 97 02	167		\$46.00			
Multi-pack 5 pcs							



Cabinet Locks and Accessories



Cylinder accessories for rim locks

Name	Ordering number	Variation code	Information	Price in USD				
				001, 021, 044	002	003	011, 013, 020	
507 Cylinder cup	46 49 79	100		\$46.50	\$40.25	\$38.50	\$39.75	
707 Cylinder cup	46 49 80	100		\$46.50	\$40.25	\$49.75	\$52.25	
Multi-pack 25 pcs.								

Extension rings, scandinavian oval shaped cylinder

Name	Ordering number	Variation code	Information	Price in USD				
				002	011, 013	020	021	044
5 mm	46 08 62	100		\$40.75	\$45.75		\$43.25	\$43.25
10 mm	40 76 59	100		\$40.75	\$45.75	\$47.50	\$43.25	\$43.25
15 mm	45 65 96	100		\$40.75	\$45.75	\$47.50		\$43.25
20 mm	41 77 42	100		\$40.75	\$45.75	\$47.50	\$43.25	\$42.75
25 mm	46 08 63	100		\$40.75	\$45.75	\$47.50	\$43.25	\$43.25
30 mm	41 77 43	100		\$40.75		\$47.50	\$43.25	\$42.75
Multi-pack 5 pcs								

Cabinet locks

Name	Ordering number	Variation code	Information	Price in USD				
				011	057			
593	45 05 31	100			\$48.00			
1592	40 35 93	100			\$82.75			
1593	80 20 90	100			\$52.50			
1596	39 05 58	100	Incl strike plate	\$163.25				
			41 65 53					
2592	40 35 92	100			\$82.75			
2593	45 04 45	100			\$37.50			
Multi-pack 5 pcs								



Other Mechanical Locks and Accessories



LS12209 EVO



2896



577

Drill proof lock shields, rim lock fastening case

				Price in USD	
Name	Ordering number	Variation code	Information	054	057
Lock shield 12209	35 90 61	100	For lock cases in the Classic- series, 50 mm backset		\$119.75
Classic					
Lock shield 12209	35 90 62	100	For Connect lock cases, 50 mm backset		\$117.75
Connect					
Rim lock fastening case					
2896	35 18 28	100		\$189.50	
Multi-pack 5 pcs (lock shields)					
Multi-pack 1pc (rim lock cover)					

Rim locks

Name	Ordering number	Variation code	Information	Price in USD	
				066	
576	45 07 26	101		\$199.25	
576	45 07 26	102		\$199.25	
577	40 73 05	100		\$198.25	
Multi-pack 5 pcs					



Miscellaneous



106



116



Blind Cylinders

Name	Ordering number	Variation code	Information	Price in USD		
				000	002	021
Cylinder 106	35 33 80	100	Scandinavian		\$115.25	\$115.25
			Oval			
Cylinder 116	35 33 81	100	Scandinavian	\$118.75		
			Round			
	80 74 46	100	For prices and discounts,		\$121.25	
			PLS-09			

Key Head Cassettes

				Price in USD		
Name	Ordering number	Variation code	Information	000	084	
Key head cassettes						
With key ring hole	80 41 85	110		\$40.00		
With key ring hole	80 41 85	100	Black		\$46.00	
No key ring hole	80 32 01	100	Black		\$46.00	
No key ring hole	80 32 01	100	Blue. Finish	\$46.00		
			Code 090			
Labels						
Numeric labels, Head/side	81 87 52	100		\$44.75		

Maintenance

Name	Ordering number	Variation code	Price in USD			
			000			
ASSA Lockspray	80 77 18	100	\$42.25			
Lock Cleaner De-Icer	81 62 96	100	\$42.45			
	36 08 25	100				



Door Key Tube and Blocking Locks

Door Key Tube without cylinder

Name	Ordering number	Variation code	Price in USD		
			000	011	
ASSA 89 concealed	35 94 63	100		\$250.50	
Door Key Tube, plastic cover	35 45 09	100	\$66.25		
Installation Key	81 87 79	100	\$66.00		

Blocking locks

Name	Ordering number	Variation code	Information	Price in USD	
				002	057
530/730	41 76 65	100	Lock		
530	45 93 18	100	Lock with 2 keys		
530	40 48 57	199	Lock without keys	\$2.50	
1530/1730	41 76 53	100	Lock		
1530	45 93 20	100	Lock, 2 keys		
1530	40 48 59	199	Lock without keys	-\$2.50	



Accessories for Scandinavian Oval Cylinders



256



2256



2356



9256



Cylinder ring DC

Cylinder accessories in sets

Name	Ordering number	Variation code	Information	Price in USD								
				001	002	003	011	013	020	021	044	057
256	46 81 87	000	Door thickness must be stated. 1 pc.	\$163.75	\$155.50	\$173.50	\$166.50	\$166.50	\$166.50	\$163.75	\$163.75	
2256	80 22 36	000	Door thickness must be stated. 1 pc.	\$163.75	\$155.50		\$166.50	\$166.50	\$166.50	\$163.75	\$163.75	
2356	46 81 90	000	Door thickness must be stated. 1 pc.	\$163.75	\$155.50		\$166.50	\$166.50	\$166.50	\$163.75	\$163.75	
256E	81 55 00	000	Door thickness must be stated. 1 pc.		\$158.00		\$170.25	\$170.25	\$171.00	\$166.25	\$166.25	
9256	80 58 05	000	Door thickness must be stated. 1 pc.	\$181.00	\$172.00			\$186.25	\$186.25	\$181.00		
18256	46 81 96	000	Door thickness must be stated. 1 pc.	\$163.75	\$155.50	\$173.25	\$165.75	\$165.75	\$166.50	\$163.75	\$163.75	
Nut plate	80 22 52	100	Multi-pack 5 pcs									\$19.50
Ordering number for 256/18 256 complete sets are found on page 111												



Accessories for Scandinavian Oval Cylinders



256



2256



2356



9256



Cylinder ring DC



Cylinder rings for oval cylinder

Name	Ordering number	Variation code	Price in USD				
			001, 021, 044	002	003	011, 013	020
6 mm	41 27 00	100	\$50.25	\$48.50	\$53.50	\$63.75	\$64.00
8 mm	41 27 01	100	\$50.25	\$48.50	\$53.50	\$63.75	\$64.00
11 mm	41 27 02	100	\$50.25	\$48.50	\$53.50	\$63.75	\$64.00
13 mm	41 27 03	100	\$50.25	\$48.50	\$53.50	\$63.75	\$64.00
16 mm	41 27 04	100	\$50.25	\$48.50	\$53.50	\$63.75	\$64.00
18 mm	41 27 05	100	\$50.25	\$48.50	\$53.50	\$63.75	\$64.00
21 mm	41 27 06	100	\$50.25	\$48.50	\$53.50	\$63.75	\$64.00
24 mm	41 27 07	100	\$50.25	\$48.50	\$53.50	\$63.75	\$64.00
Multi-pack 5 pcs							

Cylinder rings for oval cylinder DC

Name	Ordering number	Variation code	Price in USD				
			001, 021, 044	002	003	011, 013	020
6 mm DC	46 35 07	100	\$52.00	\$50.00	\$55.00	\$66.50	\$66.75
8 mm DC	46 35 06	100	\$52.00	\$50.00	\$55.00	\$66.50	\$66.75
11 mm DC	46 35 05	100	\$52.00	\$50.00	\$55.00	\$66.50	\$66.75
13 mm DC	46 35 04	100	\$52.00	\$50.00	\$55.00	\$66.50	\$66.75
16 mm DC	46 35 03	100	\$52.00	\$50.00	\$55.00	\$66.50	\$66.75
18 mm DC	46 35 02	100	\$52.00	\$50.00	\$55.00	\$66.50	\$66.75
21 mm DC	46 35 01	100	\$52.00	\$50.00	\$55.00	\$66.50	\$66.75
24 mm DC	46 35 00	100	\$52.00	\$50.00		\$66.50	\$66.75
Multi-pack 5 pcs							



Accessories for Scandinavian Oval Cylinders



Cylinder extension



Thumb turn 560



560 Disabled



Thumb turn 560 Epok



Oval turn cylinder



Turn follower 802014



Turn follower 43-83mm



815306



815307

Cylinder extensions with screws for oval cylinder

Name	Ordering number	Variation code	Information	Price in USD						
				000						
8 mm	41 86 81	800	Oval cylinder, with screws	\$43.25						
10 mm	80 74 25	800	Oval cylinder	\$43.25						
10 mm	80 74 25	199	(No spare part)	\$36.25						
			1 pc in pre-packed set							
12,5 mm	41 86 82	800	Oval cylinder	\$43.25						
18 mm	41 86 83	800	Oval cylinder	\$43.25						
Multi-pack 5 pcs										

Thumb turns

Name	Ordering number	Variation code	Information	Price in USD						
				000	001, 021, 44	002	003	011	013	020
Thumbturn 560	41 16 52	000			\$45.00	\$29.00	\$64.00	\$46.50	\$46.75	\$46.75
560 disabled	80 55 89	000	Scandinavian oval shape		\$68.75	\$52.00	\$75.00	\$69.75	\$69.50	\$69.75
560 Epok	80 90 64	00			\$34.50	\$43.00		\$48.25	\$48.50	\$48.50
Oval turn cylinder	82 01 81	100	Retractable					\$97.50		
Oval turn cyl. compl.	80 26 82	100	New thumb turn					\$90.00		
Turn	35 19 95	000								
Stop screw for turn	80 23 68	100		\$4.00						
Multi-pack 5 pcs										
Bulk-pack 25 pcs										



Accessories for Scandinavian Oval Cylinders



Cylinder extension



Thumb turn 560



560 Disabled



Thumb turn 560 Epok



Oval turn cylinder



Turn follower 802014



Turn follower 43-83mm



815306



815307

Thumb turn accessories

				Price in USD						
Name	Ordering number	Variation code	Information	000	057					
Turn follower										
Turn follower	80 20 14	800	Modular locks series	\$18.25						
43 mm	46 79 32	100			\$19.00					
43 mm	46 79 32	800	Bulk-pack		\$17.00					
63 mm	46 84 36	100			\$19.00					
63 mm	46 84 36	800	Bulk-pack		\$17.00					
83 mm	46 84 37	100			\$19.00					
83 mm	46 84 37	800	Bulk-pack		\$17.00					
565 T	46 79 39	800		\$13.50						
Guide for cylinder follower S3/S4, threaded										
Guide pin, threaded	81 53 06	100		\$17.50						
Guide pin, non-threaded	81 53 07	100		\$17.50						
Multi-pack 5 pcs										
Bulk-pack 25 pcs										



Accessories for Scandinavian Oval Cylinders



8256 RF



2256 RF



2356 RF



810863



810864

Stainless steel accessories

Name	Ordering number	Variation code	Information	Price in USD
Cylinder accessories in sets				31
8256 RF	81 52 78	000	Door thickness must be stated. 1 set	\$86.00
18256 RF	81 42 57	000	Door thickness must be stated. 1 set	\$84.25
2256 RF	81 42 58	000	Door thickness must be stated. 1 set	\$86.00
2356 RF	81 42 59	000	Door thickness must be stated. 1 set	\$86.00
8265/60 RF	82 01 80	100	Door thickness max 60 mm	\$76.75
Cylinder accessories scandinavian oval				
Thumbturn	81 52 77	100	5 pc	\$49.00
Cylinder ring 6 mm	81 08 80	100	5 pc	\$47.25
Cylinder ring 8 mm	81 08 81	100	5 pc	\$47.25
Cylinder ring 11 mm	81 08 82	100	5 pc	\$47.25
Cylinder ring 13 mm	81 08 53	100	5 pc	\$47.25
Cylinder ring 16 mm	81 08 54	100	5 pc	\$47.25
Cylinder ring 18 mm	81 08 55	100	5 pc	\$47.25
Cylinder ring 21 mm	81 08 56	100	5 pc	\$47.25
Cylinder ring 6 mm, DC	81 08 83	100	5 pc	\$47.25
Cylinder ring 8 mm, DC	81 08 84	100	5 pc	\$47.25
Cylinder ring 11 mm, DC	81 08 85	100	5 pc	\$47.25
Cylinder ring 13 mm, DC	81 08 57	100	5 pc	\$47.25
Cylinder ring 16 mm, DC	81 08 58	100	5 pc	\$47.25
Cylinder ring 18 mm, DC	81 08 59	100	5 pc	\$47.25
Cylinder ring 21 mm, DC	81 08 60	100	5 pc	\$47.25
Blind rose inside	81 08 63	100	5 pc	\$43.00
Blind rose outside	81 08 64	100	5 pc	\$47.25



Accessories for Scandinavian Oval Cylinders



8256 RF



2256 RF



2356 RF



810863



810864

Cylinder accessory 256 Multi

Name	Ordering number	Variation code	Information	Price in USD			
				001	002	003	011, 013
256 Multiring	36 43 84	160	B and C size	\$76.25	\$68.00	\$85.75	\$79.00
			20-24 mm				
			5 pc				
256 Multi	36 43 82	160	B and C-measure 25-29 mm	\$76.25	\$68.00	\$85.75	\$79.00
			5 pc				
			B och C measure 30-34 mm				

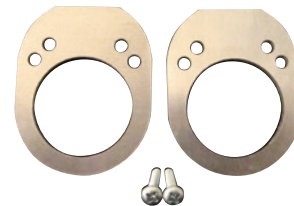
GrimeStopper Cylinder Covers



GS-C/L-7/8 Weather Shield for 7/8" Camlocks



GS-M/R for Mortise and Rim Cylinders

GS-LDB (Universal)
– Large Diameter
Base with inner
ring removedGrimeStopper
Weather Shield
(blank face,
Standard "Silicone
Shield" Surface
ProtectionGS-SPCR (Spacer Kit)
Consists of
(2) 1/8" thick spacers,
(2) extra-long screwsSpacers used in conjunction with the
GrimeStopper Weather Shield Cover and Base

For installation over the larger footprint Scandinavian Oval, European Profile cylinders. Can be used in conjunction with the stainless steel adaptor plates (European Profile currently available) Scandinavian Oval adaptor plates could be laser cut in (2 – 3) weeks from request date – final assembly to follow.

List Price for
GrimeStopper Products

\$95.50



Accessories for Scandinavian Round Cylinders



116

Thumb turn cylinder 13

Cylinder accessories for round cylinders 612*, 712, 1212*, 1312*

				Price in USD							
Name	Ordering number	Variation code	Information	000	001, 021, 040	002	003	011	013	020	031
Cylinder rings											
8 mm cyl ring	81 13 23	0			\$42.50	\$39.50	\$45.25	\$44.00	\$44.00	\$44.00	
13 mm cyl ring	80 23 59	0			\$42.50	\$39.50	\$45.25	\$44.00	\$44.00	\$44.00	
Cylinder sleeve	80 23 57	0			\$37.25	\$32.75	\$40.00	\$41.50	\$41.50	\$41.50	
Cylinder ring 13 mm	81 08 61	100	5 pc.								\$48.00
Cylinder sleeve	81 08 62	100	5 pc.								\$40.75
Cylinder sleeve, no hole	81 37 39	0	No hole		\$38.00	\$33.00		\$43.00	\$43.00		
Butterfly (security plug)	80 23 58	100	Multi-pack 20 pc	\$27.75							
Cylinder screw	80 23 61	100	Multi-pack 20 pc								\$26.00
High security screws											
High security screws	80 25 05	100	Multi-pack 20 pc	\$13.25							
60 mm											
High security screws	80 25 06	100	Multi-pack 20 pc	\$13.25							
70 mm											
High security screws	80 25 07	100	Multi-pack 20 pc	\$13.25							
80 mm											
High security screws	80 25 08	100	Multi-pack 20 pc	\$13.25							
90 mm											
High security screws	80 25 09	100	Multi-pack 20 pc	\$16.75							
100 mm											
High security screws	80 57 68	100	Multi-pack 20 pc	\$18.25							
110 mm											
Blind cylinder 116	35 33 81	100	Round shape	\$93.75							
Round turn cylinder	82 01 82	100	Retractable					\$85.50			
*All cylinder series except 700 will in the future be transferred to fit with accessory 3212S. Information when this change will be active											

*All cylinder series except 700 will in the future be transferred to fit with accessory 3212S. Information when this change will be active



Accessories for Scandinavian Round Cylinders



Cylinder sleeve S



Retaining ring



Screw protector



3211 S

Accessories for round cylinders Triton, Neptun and other round 6-pin cylinders

				Price in USD						
Name	Ordering number	Variation code	Information	000	001, 021, 044	002	011	013	020	031
Single items										
Cylinder sleeve S	70 65 19	100	Steel quality 316L		\$23.75	\$19.00	\$27.75	\$27.75	\$28.00	
Cylinder sleeve stainless steel	70 65 19	100								\$27.50
Cylindersleeve S, no hole	70 65 40	100	Without key hole		\$24.50	\$19.50	\$29.25	\$29.25	\$29.25	
Cylinder ring S 15 mm	70 65 18	100			\$29.00	\$26.50	\$30.50	\$30.50	\$30.50	
Cylinder ring S 15 mm stainless steel	70 65 18	100	Steel quality 316L							\$34.75
Retaining ring	70 65 31	100	To be mounted on the outside cylinder	\$10.00						
Screw protector	70 65 32	100	To be mounted on the inside cylinder	\$12.25						
Thumbturn cylinder 13 S	70 65 42	100	With magnet function		\$85.75	\$84.25	\$85.50	\$88.00	\$88.25	
Blind cylinder 116 S	70 65 41	100		\$93.75						
Höghållfasthetsskruv										
High security screws 66 mm	70 65 21	100		\$10.75						
High security screws 76 mm	70 65 22	100		\$10.75						
High security screws 86 mm	70 65 23	100		\$10.75						
High security screws 96 mm	70 65 24	100		\$12.00						
High security screws 106 mm	70 65 25	100		\$11.75						
High security screws 116 mm	70 65 26	100		\$13.25						



Accessories for Scandinavian Round Cylinders



Cylinder sleeve S



Retaining ring



Screw protector



3211 S

Accessories for round cylinders Triton, Neptun and other round 6-pin cylinders (continued)

				Price in USD						
Name	Ordering number	Variation code	Information	000	001, 021, 044	002	011	013	020	031
Cylinder accessories in sets										
3212S	70 65 37	100	For B/C		\$97.75	\$89.25	\$112.50	\$112.50	\$113.25	
			measures							
			19-25 mm							
3212S Stainless steel	70 65 37	100	For B/C							\$113.25
			measures							
			19-25 mm.							
			Steel quality							
			316L							
3212S:1	70 65 38	100	For B/C		\$110.25	\$102.25	\$143.50	\$143.50	\$143.50	
			measures							
			26-35 mm							
3212S:2	70 65 39	100	For B/C		\$123.25	\$115.00	\$156.00	\$157.25	\$157.25	
			measures							
			36-45 mm							
Thumbturn cylinders in sets										
3211S	70 65 43	100	For B/C mått		\$122.25	\$106.50	\$149.75	\$149.75	\$148.25	
			19-25 mm							
3211S:1	70 65 44	100	For B/C		\$147.25	\$119.50	\$135.75	\$135.75	\$163.25	
			measures							
			26-35 mm							
3211S:2	70 65 45	100	For B/C		\$135.00	\$144.75	\$159.00	\$159.00	\$159.75	
			measures							
			36-45 mm							
3212B S	70 65 47	100	Accessory for round blind outside and round cylinder inside		\$162.25	\$143.00	\$167.75	\$167.75	\$167.75	



Accessories for Scandinavian Round Cylinders



Thumb turn cylinder

Name	Ordering number	Variation code	Information	Price in USD
				000
Round turn cylinder	80 25 54	100	New knob	\$74.00

Stainless steel accessories

Name	Ordering number	Variation code	Information	Price in USD
				031
4256 RF Cover plate	35 69 49	100	10 pairs	\$87.00
4265 RF	46 18 62	160	incl. 2 screws	\$78.25
4356 RF Thumb turn plate	35 69 48	100	For Assa 2000 lock. 5 pc	\$83.75

Cylinder extensions for round cylinder with screws

Name	Ordering number	Variation code	Information	Price in USD
				000
For round cylinder				
10 mm	80 23 21	200	Round cylinder	\$51.00
Multi-pack 5 pcs				
Bulk-pack 25 pcs				



Screws and Barrel Nuts



Cylinder screw

Cylinder screws

Name	Ordering number	Variation code	Information	Price in USD
				057
13 mm	81 06 89	800		\$2.25
28 mm	46 17 26	100		\$3.00
28 mm	46 17 26	800	Big pack	\$1.75
33 mm	80 16 51	100		\$2.50
33 mm	80 16 51	800	Big pack	\$2.00
38 mm	46 17 27	100		\$2.50
38 mm	46 17 27	800	big pack	\$1.75
43 mm	46 46 51	100		\$2.50
43 mm	46 46 51	800	Big pack	\$2.00
48 mm	46 17 28	100		\$2.50
48 mm	46 17 28	800	Big pack	\$2.00
53 mm	46 46 53	100		\$2.50
3506-53 mm	46 46 53	800	Bulk-pack	\$2.25
58 mm	46 17 29	100		\$2.50
58 mm	46 17 29	800	Big pack	\$2.25
63 mm	46 46 52	100		\$2.50
63 mm	46 46 52	800	Big pack	\$2.25
63 mm	46 17 34	100	With waists	\$2.50
63 mm	46 17 34	800	With waists	\$2.25
	46 17 37	100	With waists, flat skull	\$2.50
65 mm	46 17 37	800	Flat head	\$2.25
68 mm	46 75 60	100		\$2.50
68 mm	46 75 60	800	Big pack	\$2.25
73 mm	46 46 92	100		\$2.50
73 mm	46 46 92	800	Big pack	\$2.25
78 mm	46 46 93	100		\$2.50
78 mm	46 46 93	800	Big pack	\$2.50
83 mm	46 47 34	100		\$2.50
83 mm	46 47 34	800	Big pack	\$2.50
87 mm	46 75 61	100		\$2.50
125 mm	46 17 35	100	With waists	\$3.50
Var 100=Multi-pack 10 pcs Var 800=Bulk-pack 100 pcs				



Screws and Barrel Nuts



Screw with waists and barrel nut M5

Screws and nuts M5

Name	Ordering number	Variation code	Information	Price in USD			
				002	011	020	044
40 mm	46 17 00	800		\$2.50	\$3.00	\$2.50	
45 mm	46 17 01	800		\$2.50	\$3.00	\$2.50	
50 mm	46 17 02	800		\$2.75	\$4.50	\$2.50	
55 mm	46 17 03	800		\$2.75	\$3.25	\$2.50	
60 mm	46 17 04	800		\$3.00	\$3.25	\$2.75	
65 mm	46 23 90	100	With waists	\$3.75	\$3.75		
65 mm	46 23 90	800	With waists	\$3.00	\$3.25		
70 mm	46 17 06	800		\$3.00	\$3.25	\$3.00	
75 mm	46 17 07	800		\$3.00	\$3.25	\$3.00	
80 mm	46 17 08	800		\$3.25	\$3.25	\$3.00	
85 mm	46 17 09	800		\$3.25		\$3.00	
90 mm	46 17 13	100	With waists	\$3.75	\$4.25	\$3.75	\$3.75
90 mm	46 17 13	800	With waists	\$3.50	\$3.75	\$3.50	\$3.75
100 mm	46 17 11	800		\$3.50	\$3.50	\$3.25	
115 mm	81 89 09	100	With waists	\$3.75	\$3.75	\$3.75	\$3.75
115 mm	81 89 09	800	With waists	\$3.75	\$3.75	\$3.50	
130 mm	80 63 55	800		\$3.75	\$3.75	\$3.75	\$3.75
Barrel nut							
Barrel nut M5	80 29 76	100		\$3.00	\$3.00	\$3.00	\$3.00
Barrel nut M5	80 29 76	800		\$2.00	\$2.25	\$2.00	\$2.25
Multi pack 10 pcs							
Bulk-pack 100 pcs							

One-way screws with waists

Name	Ordering number	Variation code	Information	Price in EURO			
				002, 011	020	044	
95 mm	46 87 81	100		\$3.75	\$3.75	\$3.75	
95 mm	46 87 81	800	Big pack	\$3.75	\$3.75	\$3.75	
115 mm	46 87 82	100		\$3.75	\$3.75		
115 mm	46 87 82	800	Big pack	\$3.75			



Screws and Barrel Nuts



Screw and barrel nut 5/32"

Screws and barrel nuts 5/32"

Name	Ordering number	Variation code	Information	Price in USD			
				002	011	020	044
43,5 mm	47 02 47	100					
43,5 mm	47 02 47	800	Big pack				
56 mm	47 02 48	100		\$3.00	\$3.00	\$3.00	
56 mm	47 02 48	800	Big pack	\$2.25	\$2.25	\$2.25	
63,5 mm	47 02 49	100		\$3.00	\$3.00	\$3.00	
63,5 mm	47 02 49	800	Big pack	\$2.25	\$2.50	\$2.25	
88,5 mm	47 02 50	100		\$3.00	\$3.00	\$3.00	
88,5 mm	47 02 50	800	Big pack	\$2.50	\$3.00	\$2.50	\$2.50
113,5 mm	47 02 51	100		\$3.00	\$3.00	\$3.00	
113,5 mm	47 02 51	800	Big pack	\$2.75	\$3.00	\$2.50	
Barrel nut							
5/32"	47 05 09	100		\$3.00	\$3.00	\$3.00	
5/32"	47 05 09	800	Big pack	\$2.00	\$2.25	\$2.00	\$2.25
Multi-pack 10 pc							
Bulk-pack 100 pc							



Cylinder Accessories - Narrow Profile S4 Connect



Cylinder accessories - narrow profile S4 Connect

Name	Ordering number	Variation code	Information	Price in USD			
				000	011	013	057
Cylinder escutcheon S4	81 69 40	100			\$121.50	\$113.50	
Turn escutcheon S4	81 69 41	100			\$124.25	\$128.25	
Cylinder/lever escutcheon S4	81 69 42	100			\$158.50	\$163.50	
Turn /leverescutcheon S4	81 69 43	100			\$179.25	\$183.00	
Cover escutcheon S4	81 69 44	100			\$102.25	\$106.25	
Cover/lever escutcheon S4	81 69 45	100			\$153.75	\$157.50	
Guide pin, threaded	81 53 06	100		\$17.50			
Guide pin, non- threaded	81 53 07	100		\$17.50			
Cylinder screw 13 mm	81 06 89	800					\$3.50
Distance plate S3/S4 3mm	35 79 32	100	For B/C mesures under 22 mm		\$41.00		
Cover plate S4 ROT	80 75 74	100		\$64.75			
Multi-pack 5 pcs							

S4 narrow profile lock accessories in sets

Name	Ordering number	Variation code	Information	Price in USD			
				003	011	013	
44159E	81 69 31	100	Suitable for door thickness 35-95 mm		\$176.75	\$185.50	
44459E	81 69 32	100	Door thickness 35-65 mm		\$184.75	\$193.25	
44859E	81 69 33	100	Door thickness 35-65 mm		\$199.00	\$194.75	
44959E	81 69 34	100	Door thickness 35-65 mm		\$192.00	\$198.75	
55059E	81 69 35	100	Door thickness 47-95 mm		\$265.75	\$273.25	
55159E	81 69 36	100	Door thickness 47-65 mm		\$282.75	\$303.75	
55459E	81 69 37	100	Door thickness 47-65 mm		\$288.50	\$298.25	
55859E	81 69 39	100	Door thickness 47-65 mm		\$321.00	\$317.00	
55959E	81 69 38	100	Door thickness 47-65 mm		\$315.50	\$325.50	
Multi-pack 1 pc							



Cylinder Accessories - Narrow Profile - Classic



Plate



Nut plate



Turn follower



Cylinder screw



Escutcheon screw



Cylinder escutcheon, outside



Cylinder escutcheon inside



Cover escutcheon, inside



Turn escutcheon

Accessories to fit with 4159, 4359, 4459, 4859, 4959

Name	Ordering number	Variation code	Information	Price in USD	
				011	057
Plate	42 75 67	100			\$256.25
Nut plate	80 22 52	100	Multi-pack 5 pcs		\$12.00
Turn follower 43 mm	46 79 32	100	43 mm		\$11.50
Turn follower 63 mm	46 84 36	100	63 mm		\$11.50
Cylinder screw	46 17 26	100			\$3.00
Escutcheon screw	46 17 13	100	With waists	\$4.25	
Cylinder escutcheons					
8 mm	46 88 74	100	8 mm	\$115.00	
12 mm	46 88 76	100	12 mm	\$115.00	
16 mm	46 88 78	100	16 mm	\$115.00	
Cyl. escutcheon outside 20 mm	46 88 80	100	20 mm	\$115.00	
Cyl. escutcheon inside 8 mm	35 16 44	100	8 mm	\$116.50	
Cylinder escutcheon inside 12 mm	35 16 48	100	12 mm	\$116.50	
Cylinder escutcheon inside 16 mm	35 16 52	100	16 mm	\$116.50	
20 mm	35 16 56	100	20 mm	\$116.50	
Cover escutcheons					
8 mm	35 17 53	100	Inside	\$108.25	
8 mm	35 17 54	100	Outside	\$108.25	
Turn escutcheons					
8 mm	80 39 92	100		\$133.00	
Multi-pack 1 pc					



Cylinder Accessories - Narrow Profile - Classic



Cylinder escuteons with handle, outside



Cylinder escuteon with handle, inside



Cover escuteon with handle



Turn escuteon with handle



Spindle

Accessories to fit with 5059, 5159, 5359, 5459, 5859, 5959

Name	Ordering number	Variation code	Information	Price in USD	
				011	057
Plate	42 75 67	100			\$2.50
Nut plate	80 22 52	100	Multi-pack 5 pcs		\$13.25
Turn follower 43 mm	46 79 32	100	43 mm		\$12.75
Turn follower 63 mm	46 84 36	100	63 mm		\$12.75
Cylinder screw	46 17 26	100			\$3.00
Escuteon screw	46 17 13	100	With waists	\$4.25	
Cylinder escuteons with handle, outside					
8 mm	80 39 77	100	8 mm	\$156.00	
12 mm	80 39 78	100	12 mm	\$156.00	
16 mm	80 39 79	100	16 mm	\$156.00	
20 mm	80 39 80	100	20 mm	\$156.00	
Cylinder escuteons with handle, inside					
8 mm	80 39 83	100	8 mm	\$160.50	
12 mm	80 39 84	100	12 mm	\$160.50	
16 mm	80 39 85	100	16 mm	\$160.50	
20 mm	80 39 86	100	20 mm	\$160.50	
	80 44 53	100		\$150.75	
Cover escuteon with handle					
8 mm	80 44 54	100		\$150.75	
Turn escuteon with handle					
8 mm	80 39 94	100		\$179.50	
Spindles					
98 mm	47 08 30	100	8 x 98 mm		\$10.50
102 mm	80 68 76	100	8 x 102 mm		\$10.50
116 mm	47 11 22	100	8 x 116 mm		\$10.50
Multi-pack 1pc					



Cylinder Accessories - Narrow Profile - Classic



4159



5459

Narrow profile lock accessories

Name	Ordering number	Variation code	Information	Price in USD	
				011	057
4159	35 17 43	0	Door thickness must be stated	\$173.50	
4859	80 47 73	0	Door thickness must be stated	\$204.00	
5059	80 44 55	0	Door thickness must be stated	\$254.75	
5159	80 47 76	0	Door thickness must be stated	\$139.50	
5459	80 47 78	0	Door thickness must be stated	\$147.50	
5859	80 47 79	0	Door thickness must be stated	\$170.75	
Spare parts					
Nut plate + 2 M5 nuts	80 22 52	100	Multi-pack 5 pcs		\$10.75



Cylinder Accessories - Narrow Profile S3



S3 narrow profile lock accessories in sets

Name	Ordering number	Variation code	Information	Price in USD			
				011	013		
44159	81 53 21	100	Door thickness		\$265.50		
			35-65 mm				
44459	81 53 22	100	Door thickness	\$263.00	\$270.50		
			35-65 mm				
44859	81 53 23	100	Door thickness	\$279.75	\$285.25		
			35-65 mm				
44959	81 53 24	100	Door thickness	\$270.50	\$270.50		
			35-65 mm				
55059	81 53 25	100	Door thickness	\$354.00	\$358.50		
			47-65 mm				
55159	81 53 26	100	Door thickness	\$373.75	\$378.25		
			47-65 mm				
55459	81 53 28	100	Door thickness	\$381.25	\$386.25		
			47-65 mm				
55859	81 53 30	100	Door thickness	\$403.00	\$407.00		
			47-65 mm				
55959	81 53 29	100	Door thickness	\$396.75	\$397.25		
			47-65 mm				
Multipack 1 st							

S3 narrow profile lock accessories

Name	Ordering number	Variation code	Information	Price in USD			
				000	011	013	057
Cylinder escutcheon S3	35 65 11	100			\$115.75	\$57.00	
Turn escutcheon S3	81 53 09	100			\$132.50	\$73.25	
Cylinder/lever escutcheon S3	81 53 11	100			\$109.25	\$112.75	
Turn/lever escutcheon S3	81 53 12	100			\$132.75	\$134.75	
Cover escutcheon S3	35 65 12	100			\$45.75	\$49.25	
Cover/lever escutcheon S3	81 53 13	100			\$103.50	\$105.75	
Guide pin, threaded	81 53 06	100		\$10.00			
Guide pin, non- threaded	81 53 07	100		\$10.00			
Cylinder screw 13 mm	81 06 89	800					\$2.25
Distance plate S3/S4 3 mm	35 79 32	100	For B/C measures under 22 mm		\$41.00		
Multi-pack 5 pcs							



Security Accessories SCD Narrow Profile



Security accessories SCD for narrow profile lock 13787

Name	Ordering number	Variation code	Information	Price in USD
				011
Accessories in sets				
4559 SCD	80 45 99	100	For 65 mm door thickness, lock centre positioned	\$304.75
4659 SCD	80 47 65	100	For 65 mm door thickness, lock centre positioned	\$301.00
4759 SCD	80 47 66	100	For 65 mm door thickness, lock centre positioned	\$301.00
4559 SCD	80 45 99	200	Excl. screws	\$282.00
4759 SCD	80 47 66	200	Excl. screws	\$282.75
Cylinder escutcheons				
8 mm SCD outside	80 46 00	100		\$193.00
8 mm SCD inside	80 20 98	100	Rokoko	\$193.00
Spacing escutcheons				
2 mm	81 69 51	100	Multi-pack 10 pcs	\$142.25
4 mm	81 69 52	100	Multi-pack 10 pcs	
Cover escutcheons				
8 mm inside	80 22 22	100	Multi-pack 5 pcs	\$193.75
8 mm outside	80 47 67	100	Multi-pack 5 pcs	\$193.75



Security Accessories SCD Narrow Profile



Security accessories SCD for narrow profile Connect lock 400-series

Name	Ordering number	Variation code	Information	Price in USD
				011
Accessories in sets				
4559E SCD	81 69 46	100	65 mm doorthickness, lock case in cetrum	\$288.50
4659E SCD	81 69 47	100	65 mm doorthickness	\$289.75
4759E SCD	81 69 48	100	65 mm doorthickness	\$288.50
4559E SCD	81 69 46	200	Excl screw	\$271.75
4659E SCD	81 69 47	200	excl screw	\$271.75
4759E SCD	81 69 48	200	excl screw	\$271.75
5559E security plate w. handle, double cylinder	81 69 59	100	65 mm doorthickness, lock case in cetrum	\$388.00
5659E security plate w. handle,	81 69 60	100	65 mm doorthickness, lock case in cetrum	\$389.75
5759E security plate w. handle,	81 69 61	100	65 mm doorthickness, lock case in cetrum	\$389.75
5559E security plate w. handle, double cylinder	81 69 59	200	excl screw	\$371.50
5659E security plate w. handle, cylinder outside	81 69 60	200	excl screw	\$498.00
5759E security plate w. handle,	81 69 61	200	excl screw	\$373.00
Cylinder escutcheons Evolution				
8 mm SCD outside	81 69 49	100	Multi-pack 5 pcs	\$188.25
Cover plate SCD 8 mm inside	81 69 50	100		\$188.25
8 mm SCD w. handle cylinder outside	81 69 55	100	Multi-pack 5 pcs	\$238.00
8 mm SCD w. handle cylinder inside	81 69 56	100	Multi-pack 5 pcs	\$238.00
Spacing escuteons Evolution				
2 mm	81 69 51	100	Multi-pack 10	\$67.25
4 mm	81 69 52	100	Multi-pack 10	\$69.00
Cover plates SCD				
8 mm inside	81 69 53	100	Multi-pack 5 pcs	\$126.75
Cover plate SCD 8 mm outside	81 69 54	100		\$126.75
Cover plate SCD w handle inside	81 69 57	100	Multi-pack 5 pcs	\$176.25
Cover plate SCD	81 69 58	100	Multi-pack 5 pcs	\$176.25



Security Accessories SCD Narrow Profile



High security screws for narrow profile SCD accessories

Name	Ordering number	Variation code	Price in USD
High security screws			011
25 mm	80 97 61	100	\$3.51
30 mm	80 97 62	100	\$4.20
35 mm	80 97 63	100	\$3.51
40 mm	80 21 51	100	\$4.20
45 mm	80 21 52	100	\$3.51
50 mm	80 21 53	100	\$4.20
55 mm	80 21 54	100	\$3.51
60 mm	80 21 55	100	\$3.51
65 mm	80 21 56	100	\$3.51
70 mm	80 21 57	100	\$5.30
75 mm	80 21 58	100	\$5.30
80 mm	80 21 59	100	\$5.35
85 mm	80 21 60	100	\$5.88
90 mm	80 21 61	100	\$5.88
95 mm	80 21 62	100	\$13.89
100 mm	80 21 63	100	\$13.89
Multi-pack 10 pcs			

One-way screws and barrel nuts for narrow profile SCD accessories

Name	Ordering number	Variation code	Price in USD
One-way screws 3559			011
40 mm	80 97 64	100	\$2.05
45 mm	80 97 65	100	\$3.05
50 mm	80 97 66	100	\$3.05
55 mm	80 65 62	100	\$3.05
65 mm	46 45 86	100	\$3.05
70 mm	46 45 87	100	\$2.94
75 mm	46 45 88	100	\$3.94
80 mm	46 47 14	100	\$3.05
85 mm	46 47 15	100	
90 mm	46 45 89	100	\$3.05
95 mm	46 47 16	100	
100 mm	46 45 90	100	
Barrel nuts			
53 mm	80 46 01	100	\$3.83
28,5 mm	80 46 02	100	\$3.83
Multi-pack 10 pcs			



Cover and Thumbturn Plates



Epoch-series

Name	Ordering number	Variation code	Information	Price in USD								
				001, 020, 044	002	011	013	021				
4218	35 44 04	100	Multi-pack 10 pairs	\$83.75	\$88.18	\$93.98	\$93.98	\$93.47				
4256	35 44 06	100	Multi-pack 10 pairs	\$83.75	\$88.18		\$93.98	\$93.47				
Thumb turn escuteons												
4318	35 44 62	100	Multi-pack 5 pcs	\$94.79	\$85.12	\$81.84	\$91.84	\$97.46				
4356	35 44 64	100	multi-pack 5 pairs	\$94.79	\$85.12	\$90.82	\$90.82	\$87.46				

Classic-series

Name	Ordering number	Variation code	Information	Price in USD								
				001	002	003	011	013	020	021	044	087
11 mm Cover plate	40 93 98	100		\$29.59	\$26.44		\$30.69	\$20.69		\$29.59	\$9.59	
Cover plate 4265, cylinder	41 61 15	100		\$29.12	\$26.24		\$30.59	\$30.90		\$29.12	\$9.12	
560 Cover plate	04 27 95	100	Multi-pack 25 pc					\$32.11				
	04 27 95	160	Bag pack									
570 Cover plate	04 30 25	100	Multi-pack 25 pc	\$30.79	\$28.24		\$32.11	\$32.11		\$30.79	\$10.79	
992 Cover plate, handle	47 01 29	100	Pair, incl. Screws.	\$36.59	\$29.59	\$21.58	\$37.82	\$37.82		\$36.29	\$16.59	
4271 Cover plate	46 02 90	100	friction fastening									\$4.25
Cover plate accessories												
4265-50	46 18 62	100		\$38.32	\$31.91	\$20.46	\$37.71	\$37.71		\$35.37	\$18.32	
Mounting plate	46 88 66	100	Multi-pack 25 pc		\$24.35					\$2.14		
Escuteons												
64	04 86 56	100	Multi-pack 10 pairs	\$61.54	\$43.72		\$50.13	\$50.13		\$4.88		
4289	80 26 59	100	Multi-pack 5 pairs		\$44.53		\$50.44	\$50.44		\$46.98	\$61.64	
4291	35 20 21	100	Multi-pack 10 pairs	\$64.18	\$43.72	\$47.95	\$50.24	\$50.24		\$46.98	\$64.18	
25:3:19:01:00.000	35 23 32	100	Multi-pack 10 pairs		\$43.72		\$49.12	\$49.12		\$46.98	\$64.18	
4294-60	80 39 13	100	Multi-pack 5 pc	\$55.43	\$44.53		\$50.85	\$50.85		\$47.69	\$55.43	
4294-70	80 24 86	100	Multi-pack 5 pc	\$55.43	\$44.53		\$50.85	\$50.85		\$47.69	\$55.43	
4295-60	80 40 00	100	Multi-pack 5 pc	\$73.85	\$59.30			\$66.12		\$75.51	\$73.85	
4295-70	35 22 74	100	Multi-pack 5 pc	\$73.85	\$59.30		\$66.12	\$66.12		\$75.51	\$73.85	



Mortise Support



4290



4292

Mortise support - To support door leaf where lock case is placed

Name	Ordering number	Variation code	Information	Price in USD	
				011	054
4290	81 22 85	100	Door thickness 42-50 mm, complete set		
4290	81 22 86	100	Door thickness 51-60 mm, complete set		
4290	81 22 87	100	Door thickness 61-70 mm, complete set		
4290	81 37 95	200	Supplied with barrel nuts, no screws (ord. sep.)		
4292	81 22 88	100	Door thickness 42-50 mm, complete set		
4292	81 22 89	100	Door thickness 51-60 mm, complete set		
4292	81 22 90	100	Door thickness 61-70 mm, complete set		
4292	81 37 96	200	Supplied with barrel nuts, no screws (ord. sep.)		
High security screws					
30 mm	80 97 62	100	Door thickness 42-50 mm	\$13.20	
40 mm	80 21 51	100	Door thickness 51-60 mm	\$13.20	
50 mm	80 21 53	100	Door thickness 61-70 mm	\$13.20	
Multi-pack 5 pairs					



Pull Handles



8630

8631

Pull handles in stainless steel

Name	Ordering number	Variation code	Information	Price in USD
				31
Complete sets including assembling kit				
8630	81 08 65	100	D=25 mm, L=300 mm	\$219.01
8630	81 08 66	100	D=31 mm, L=300 mm	\$256.47
8630	81 08 67	100	D=31 mm, L=400 mm	\$271.24
8631	81 08 70	100	D=25 mm, L=300 mm	\$282.33
8631	81 08 71	100	D=31 mm, L=300 mm	\$322.95
8631	81 08 72	100	D=31 mm, L=400 mm	\$352.48
8631	81 08 73	100	D=38 mm, L=300 mm	\$453.26
8631	81 08 74	100	D=38 mm, L=400 mm	\$509.05
Pull handles in half sets including assembling kit				
8630	81 90 88	100	D=25 mm, L=300 mm, 30 - 75 mm door thickness	\$259.66
8631	81 90 93	100	D=25 mm, L=300 mm, 30 - 75 mm door thickness	\$191.12
8631	81 90 94	100	D=31 mm, L=300 mm, 30 - 75 mm door thickness	\$211.07
8631	81 90 95	100	D=31 mm, L=400 mm, 30 - 75 mm door thickness	\$326.34
Screw set 25, 120 mm	81 91 05	100	75 - 95 mm door thickness	\$22.11



Pull Handles



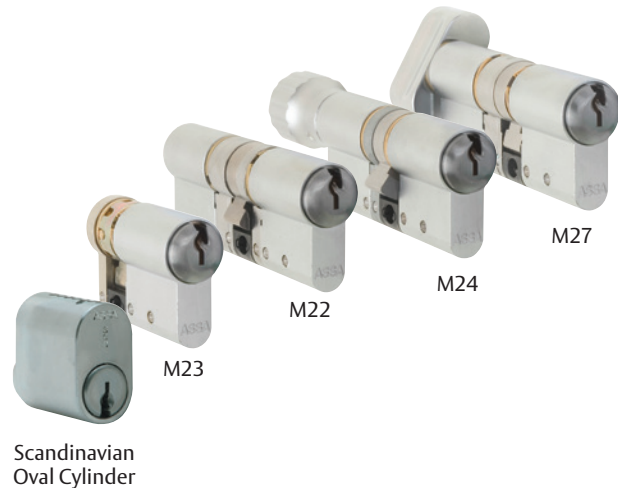
Pull handles in brass

				Price in USD		
Name	Ordering number	Variation code	Information	001	011	020
Complete sets incl assembling kit						
137/160	81 00 24	100	pair	264,41	\$235.60	\$245.17
137/250	81 00 25	100	pair	\$317.56	\$269.10	\$277.24
137/400	81 00 26	100	pair	\$360.11	\$307.58	\$331.30
138/160	81 00 27	100	pair		\$253.73	
138/250	81 00 28	100	pair	\$341.48	\$300.76	\$305.24
138/400	81 00 29	100	pair	\$390.35	\$349.52	\$351.76
325/250	81 54 94	100	pair		\$383.55	\$298.21
326/300	81 54 96	100	pair	\$350.13	\$338.12	\$354.82
Half-sets incl assembling kit						
130/100	81 00 09	100	pcs		\$17.60	\$21.61
130/150	81 00 10	100	pcs	\$29.85	\$23.34	\$27.61
130/200	81 00 11	100	pcs	\$32.80	\$24.97	\$29.95
131/150	81 00 12	100	pcs	\$31.68	\$24.46	\$26.59
131/200	81 00 13	100	pcs	\$32.50	\$24.66	\$29.34
137/160	81 00 14	100	pcs	\$132.62	\$91.06	99,31
137/250	81 00 15	100	pcs			
137/400	81 00 16	100	pcs		\$162.55	
138/160	81 00 17	100	pcs			
138/250	81 00 18	100	pcs	\$166.01	\$140.97	
138/400	81 00 19	100	pcs		\$169.65	
326/300	81 54 95	100	pcs		\$140.44	\$149.39
343/400	81 55 39	100	pcs		\$222.59	
Mounting plate 039 for wooden door	81 04 77	100			\$15.87	\$16.87
Multi-pack 130/131: 20 pcs						
Multi-pack for all other pullhandles 1 pc						



European Cylinders

ASSA manufactures a variety of European cylinders including the Scandinavian oval and the Euro Din (M20 Series). Available for different door thicknesses and featuring a cam actuator, ASSA Euro Din cylinders can be used with many types of imported locksets and specialty hardware. All European cylinders can be keyed into any new or existing ASSA key system.



Benefits:

- Retrofits variety of European applications
- Two independent locking mechanisms to ensure security and optimum pick resistance
- Inactive “false” grooves on side pins designed to increase pick resistance

Technical Information:

- M20 Series available for different door thicknesses
- Cylinder housing and plug made of high quality brass
- Stainless steel top pins
- Bottom pins and master pins are nickel silver

Warranty:

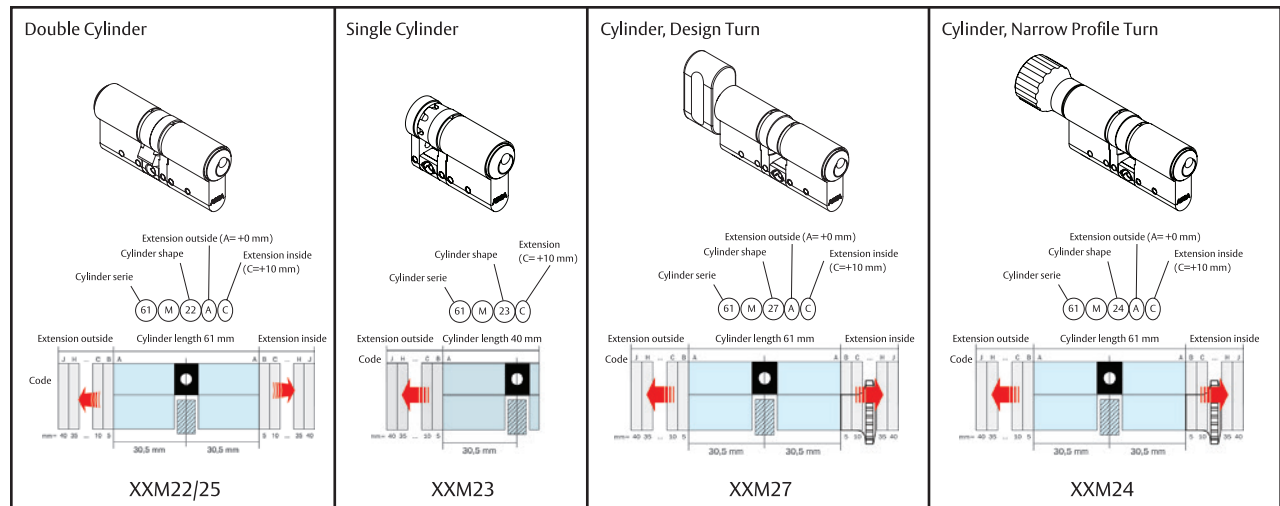
- ASSA warrants its products against defective workmanship or wear resulting from defects for one year

Finishes:

BHMA Symbol	U.S. Symbol	Description
626	US 26D	Satin Chrome
605	US 3	Bright Brass



ASSA M20 Cylinder – Master Key System



Guideline for M20 EURO accessories
Location of lock cases, cylinders and accessories

1. Specification of M20 Cylinder/turn and accessories.
 - a) Measure the door thickness (A).
 - b) Measure the distance between the centre of the lock case and the security side of the door (B).
 - c) Measure the distance between the centre of the lock case and the inside of the door (C).
 - d) Add the thickness of the cylinder accessories to the B and C measurement. The result will be the length of the cylinder/turn.

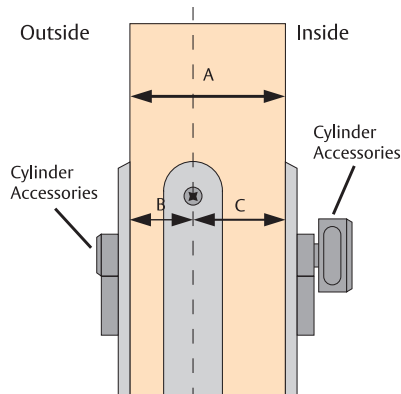


Table Measurement

Code	Length mm
A	+0
B	+5
C	+10
D	+15
E	+20
F	+25
G	+30
H	+35
I	+40
J	+45
K	+50
L	+55



Profile Cylinders

M20 Din Euro Profile Cylinders

Model#	Notes	Description	Comp	Sub	SNS
Maximum +					
98M27AA		Large Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
98M24AA		Small Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
98M22AA		Double Cylinder 61MM	325.88	298.88	286.88
98M23AA		Single Cylinder No Thumbturn 31MM	245.88	230.88	225.88
Twin Maximum					
88M27AA		Large Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
88M24AA		Small Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
88M22AA		Double Cylinder 61MM	325.88	298.88	286.88
88M23AA		Single Cylinder No Thumbturn 31MM	245.88	230.88	225.88
Twin Exclusive					
E65M27AA		Large Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
E65M24AA		Small Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
E65M22AA		Double Cylinder 61MM	325.88	298.88	286.88
E65M23AA		Single Cylinder No Thumbturn 31MM	245.88	230.88	225.88
Twin V-10					
V65M27AA		Large Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
V65M24AA		Small Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
V65M22AA		Double Cylinder 61MM	325.88	298.88	286.88
V65M23AA		Single Cylinder No Thumbturn 31MM	245.88	230.88	225.88
Twin 6000 Classic					
65M27AA		Large Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
65M24AA		Small Thumbturn Single Cylinder 61MM	295.88	280.88	276.88
65M22AA		Double Cylinder 61MM	325.88	298.88	286.88
65M23AA		Single Cylinder No Thumbturn 31MM	245.88	230.88	225.88

– Twin Maximum available with CLIQ™ Technology. Example: **88M27 x CLIQ x Comp**
Add \$600.00 per CLIQ cylinder

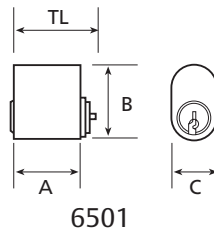
ADD \$5.00 for each additional letter size I.E. 98M27LL; **Comp:** 405.88 **Sub:** 400.88 **SNS:** 396.88



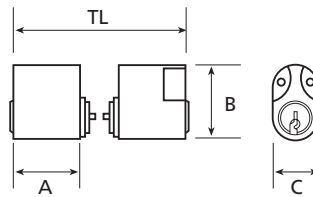
Scandinavian Oval Cylinders

Profile Cylinder Key:

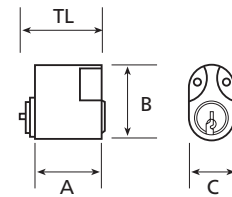
- TL** – Total Length
A – Cylinder Length
B – Cylinder Height
C – Cylinder Width



6501



6502



6503

Oval Cylinders

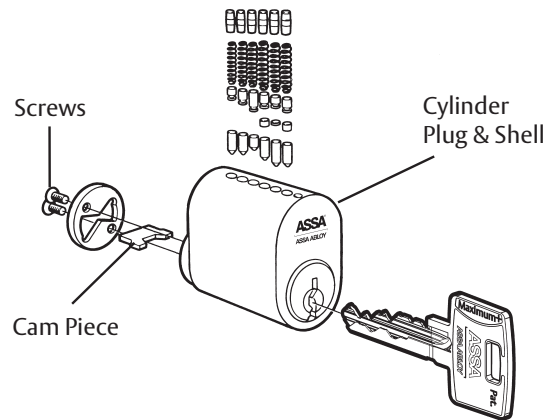
Model#	Notes	Description	TL	A	B	C	Comp	Sub	SNS
Maximum +									
9801		Oval, Outside	1.577	1.236	1.376	0.784	191.71	184.21	176.71
9801L		Oval, Outside for 505					207.40	199.40	192.40
9802		Oval, Double	N/A				391.54	378.04	361.54
9803		Oval, Inside	1.577				194.42	186.42	179.42
Twin Maximum									
8801		Oval, Outside	1.577	1.236	1.376	0.784	210.91	203.41	195.91
8801L		Oval, Outside for 505					228.22	220.22	213.22
8802		Oval, Double	N/A				430.75	417.25	400.75
8803		Oval, Inside	1.577				213.89	205.89	198.89
Twin Exclusive									
E6501		Oval, Outside	1.577	1.236	1.376	0.784	219.29	211.79	204.29
E6501L		Oval, Outside for 505					237.14	229.14	222.14
E6502		Oval, Double	N/A				448.32	434.82	418.32
E6503		Oval, Inside	1.577				222.54	214.54	207.54
Twin 6000 Classic									
6501		Oval, Outside	1.577	1.236	1.376	0.784	219.29	211.79	204.29
6501L		Oval, Outside for 505					237.14	229.14	222.14
6502		Oval, Double	N/A				448.32	434.82	418.32
6503		Oval, Inside	1.577				222.54	214.54	207.54
Twin V-10									
V6501		Oval, Outside	1.577	1.236	1.376	0.784	219.29	211.79	204.29
V6501L		Oval, Outside for 505					237.14	229.14	222.14
V6502		Oval, Double	N/A				448.32	434.82	418.32
V6503		Oval, Inside	1.577				222.54	214.54	207.54
600 Series Classic									
601		Oval, Outside	1.577	1.236	1.376	0.784	172.24	163.24	—
601L		Oval, Outside for 505					193.61	183.61	—
602		Oval, Double	N/A				377.21	358.21	—
603		Oval, Inside	1.577				184.95	175.95	—

CLIQ – Twin Maximum available with CLIQ™ Technology. Example: 8801 x CLIQ x Comp

NOTE: Oval cylinders do not include cylinder rings, mounting screws or other trim.



Scandinavian Oval Cylinders



Oval Cylinder Parts

Model#	Description	Price
Maximum+ / Twin Maximum		
867064	Oval Cyl. Housing, Outside	61.97
867110	Oval Cyl. Housing, Inside	78.31
816068 †	Oval Cylinder Plug	69.76
Twin Exclusive / 6000 Classic		
867064	Oval Cyl. Housing, Outside	61.97
867110	Oval Cyl. Housing, Inside	78.31
356071 †	Oval Cylinder Plug (Specify Profile)	53.44
Twin V-10		
867064	Oval Cyl. Housing, Outside	61.97
867110	Oval Cyl. Housing, Inside	78.31
353969	Oval Cylinder Plug	53.44

† – Specify Profile

Oval Cylinder Adapters

Model#	Description	Price
803170	Oval Outside Cylinder Adapter, for Schlage KIK/KIL Cylinder	130.00
803171	Oval Inside Cylinder Adapter, for Schlage KIK/KIL Cylinder	130.00
804215-S	Short Schlage Adapter Tailpiece (Will fit 505 function)	25.00
804215-M	Medium Schlage Adapter Tailpiece (Will fit 505 function)	27.00
804215-L	Long Schlage Adapter Tailpiece (Will fit 505 function)	30.00



Toilet Accessories



265



265E



9265



9565T



9566T

Toilet accessories for lock cases with 50, 70 mm backset

Name	Ordering number	Variation code	Information	Price in USD						
				001	002	003	011, 013	020	021	044
265-40 mm	46 88 31	100	For max door thickness 40 mm	\$66.00	\$57.25		\$63.00	\$66.00	\$60.00	\$66.00
265-50 mm	46 88 32	100	For max door thickness 50 mm	\$66.00	\$57.25	\$70.50	\$63.00	\$66.00	\$60.00	\$66.00
265-50 mm, Epoch	80 83 11	100	For max door thickness 50 mm	\$68.50	\$57.25		\$63.00	\$68.50	\$64.25	\$68.50
5265-45 mm	45 12 68	100	For max door thickness 45 mm	\$87.00	\$69.50		\$78.25			
5265-65 mm	45 12 69	100	For max door thickness 65 mm	\$87.00	\$69.50		\$78.25			
9265-50 mm	80 30 14	100	Large thumb turn	\$90.00	\$72.25	\$92.25	\$81.00	\$90.00	\$81.00	
95265-65 mm	80 60 85	100	For max door thickness 65 mm	\$95.50	\$58.25		\$92.75	\$95.50		
9565 T-50 mm	35 19 05	101-102	Min C-dim 20 mm	\$474.25	\$437.75	\$483.75	\$467.25	\$474.25	\$462.00	\$474.25
9565 T-1-50 mm	80 20 17	101-102	Min C-dim 20 mm	\$419.00	\$401.50		\$416.00		\$448.00	\$481.50
9566T-50 mm	82 02 31	101-102	min C-dim 20 mm/ max 40 mm		\$437.75	\$483.75	\$467.25		\$487.00	
Multi-pack 5 pcs										
9565T/9566T 1 pc										
Spare parts for toilet accessories										
Name	Ordering number	Variation code	Information	Price in USD						
				002						
Emergency key	45 12 83	100	For toilet accessory	\$14.25						
			5262/5265							



Exit Devices



8560



8560-2



8560-4



8561

Complete sets with outside device

Name	Ordering number	Variation code	Information	Price in USD					
				002	011	013	020	021	044
8560	35 23 66	100		\$122.00	\$157.75	\$157.75		\$144.75	
8560-2	35 23 67	100	Double exit devices	\$219.75		\$288.75		\$263.25	
8560-4	35 23 68	100	Pull knob, outside	\$197.50				\$209.25	
8561	45 35 74	100	Handle 640, inside, pull knob outside	\$161.25		\$159.50	\$159.50		
Multipack 1 st									

Plastic dome complete

Name	Ordering number	Variation code	Information	Price in USD					
				000					
Plastic dome complete									
8560	35 23 60	100	Multi-pack 5 pc	\$75.00					
8563	35 23 59	100	Multi-pack 5 pc	\$75.00					
Multi-pack 1 pc									

Plastic dome only

Name	Ordering number	Variation code	Information	Price in USD					
				000					
Plastic dome only									
8560	35 23 38	100	Multi-pack 5 pcs	\$35.25					
8563	35 23 37	100	Multi-pack 5 pcs	\$35.25					
8567	80 31 91	100	Multi-pack 5 pcs	\$27.00					
8363	80 41 30	100	Multi-pack 5 pcs	\$26.75					
8060, 8065	41 79 84	100	Multi-pack 5 pcs	\$29.25					
8362, 88362 S3/S4	80 65 17	100	Multi-pack 5 pcs	\$27.50					
Multi-pack 5 pcs									

Spare parts

Name	Ordering number	Variation code	Information	Price in USD					
				000					
Spare parts									
Break pin	80 63 26	800	Bulk-pack 100 pc	\$2.50					
Ballwire compl.	80 69 28	100	Multi-pack 10 pc	\$10.50					



Other Accessories



Wall key tube, excl cylinder



Klimatskydd

Wall key tube, excl cylinder

Name	Ordering number	Variation code	Information	Price in USD	
				055	057
Wall key tube	39 08 77	100	For cylinder 6518	\$136.75	
Wall key tube	39 08 77	130	With micro switch		\$233.25
Wall key tube with barrel	80 79 01	100		\$122.50	
Wall key tube with plate	80 79 02	100		\$153.00	
* Cylinder for wall key tubes are found in separate cylinder price list.					

Climate protection

Name	Ordering number	Variation code	Information	Price in EUSD	
				031	
Climate protection	88 02 64	100	For Scandinavian round & oval cylinder	\$79.25	



Institutional Hardware



Hygienic handle



Hygienic handle

Thumb turn 560 Override

				Price in USD
Name	Ordering number	Variation code	Information	
				000
Vred 560 Override	36 42 97	100	The handle disengages when attempting to prevent entry by outside cylinder or toilet sign.	\$428.75

Lever handle Flip-down

				Price in USD
Name	Ordering number	Variation code	Information	
				000
Trycke Flip-down	35 98 24	100	The trigger initial position is diagonally downwards. The withdrawal of lever latch bolt handle pointing straight down.	\$425.75

96256 Override

Name	Ordering number	Variation code	Price in USD	
			013	
96265 Override	36 42 96	100	\$450.25	

Hygienic handle

Name	Ordering number	Variation code	Information	Price in USD
				031
Hygienic handle	70 65 90	100	For door thickness 40-60 mm	\$282.50



Door Handles



The Epoch -series, sprung

				Price in USD							
Name	Ordering number	Variation code	Information	001	002	003	011	013	020	021	044
1903	82 07 22	160	Bag pack.		\$126.50			\$131.75	\$135.25	\$131.00	\$131.00
			40-75 mm								
			door thickness								
1918	80 82 31	160	Bag pack.	\$129.00	\$132.00		\$125.50	\$125.50	\$136.00	\$125.50	\$130.50
			40-75 mm								
			door thickness								
1927	82 07 23	160	Bag pack.		\$130.75			\$137.25	\$131.00	\$127.00	\$127.00
			40-75 mm								
			door thickness								
1930	80 82 70	160	Bag pack.		\$134.50			\$136.50	\$150.75		
			40-75 mm								
			door thickness								
1930, white	80 82 71	160	Bag pack.		\$134.50				\$131.50		
			40-75 mm								
			door thickness								
1930, black	80 82 72	160	Bag pack.		\$134.50			\$136.50	\$131.50		
			40-75 mm								
			door thickness								
1937	82 07 24	160	Bag pack.		\$130.25			\$137.00		\$134.25	
			40-75 mm								
			door thickness								
1956	80 82 35	160	Bag pack.	\$129.00	\$131.75	\$130.75	\$126.75	\$126.75	\$136.75	\$126.75	\$130.25
			40-75 mm								
			door thickness								
Var 512 is for door thickness 40-57 mm 1.575"- 2.24"											
Var 513 is for door thickness 58-75 mm 2.28" - 2.95"											

The Epoch -series, unsprung

				Price in USD							
Name	Ordering number	Variation code	Information	001	002	011	013	020	021	044	
Epok series without return spring											
1905	81 53 00	160	Bag pack.	\$117.75	\$110.75	\$114.25	\$116.75	\$124.75	\$112.75	\$117.75	
			40-75 mm								
			door thickness								
1923	81 53 01	160	Bag pack.	\$118.00	\$111.50	\$114.75	\$117.50	\$124.00	\$113.00	\$118.00	
			40-75 mm								
			door thickness								
1935	81 53 02	160	Bag pack.	\$118.75	\$111.75		\$118.50		\$113.75		
			40-75 mm								
			door thickness								
1949	81 53 03	160	Bag pack.	\$118.00	\$111.50	\$114.75	\$117.50	\$124.00	\$113.00	\$118.00	
			40-75 mm								
			door thickness								
Var 512 is for door thickness 40-57 mm 1.575"- 2.24"											
Var 513 is for door thickness 58-75 mm 2.28" - 2.95"											



Door Handles



The Classic -series, sprung

				Price in USD							
Name	Ordering number	Variation code	Information	001	002	003	011	013	020	021	044
Brass Door handles Classic with return spring											
6638	47 00 40	160	Bag pack.	\$154.00	\$142.75		\$150.75	\$151.50	\$153.50	\$150.75	\$154.00
			40-75 mm								
			door thickness								
6640	47 00 41	512-812	40-57 mm	\$139.25	\$139.50						
			door thickness.								
6640	47 00 41	513-813	58-75 mm	\$139.25	\$139.50						
			door thickness.								
6647	47 01 10	160	Bag pack.	\$146.25	\$146.00	\$158.00	\$153.25	\$156.75	\$157.50	\$154.25	\$158.75
			40-75 mm								
			door thickness								
6696	47 00 43	512-812	40-57 mm	\$139.25	\$139.50						
			door thickness.								
6696	47 00 43	513-813	58-75 mm	\$139.25	\$139.50						
			door thickness.								
6616	81 00 02	160	Bag pack.	\$149.75	\$148.00	\$150.00	\$143.25	\$148.50	\$153.25	\$143.25	\$149.75
			40-75 mm								
			door thickness								
6655	36 24 45	512	30-65 mm				\$159.50		\$156.75		
			Door thickness								
ARENA U	36 22 30	160	Bag pack. Door thickness	\$150.50	\$160.50	\$171.75	\$169.50	\$163.00	\$168.50	\$171.00	
			40-75 mm								
Var 512 is for door thickness 40-57 mm 1.575" - 2.24"											
Var 513 is for door thickness 58-75 mm 2.28" - 2.95"											



Door Handles



6638



6640



6647



6696



6655



ARENA U



5602



8650



8665



8670



8680



8685



8690

The Classic -series, unsprung

Name	Ordering number	Variation code	Information	Price in USD					
				001	002	003	011, 021	013, 044	020
640	47 00 22	160	Bag pack.	\$120.25	\$106.25	\$121.00	\$113.75	\$119.75	\$115.50
			40-75 mm						
			door thickness						
696	47 00 31	160	bag pack.	\$120.25	\$106.25	\$121.00	\$113.75	\$119.75	\$115.50
			40-75 mm						
			Door thickness						
5602	47 04 07	511	36-52 Door thickness	\$117.75	\$107.50		\$115.25	\$117.75	
Var 512 is for door thickness 40-57 mm 1.575" - 2.24"									
Var 513 is for door thickness 58-75 mm 2.28" - 2.95"									

Stainless Steel

Name	Ordering number	Variation code	Information	Price in USD					
				031					
	36 43 46	160	30-75 mm	\$147.25					
8650	81 52 60	160	30-50 mm	\$155.25					
8665	81 52 61	160	30-50 mm	\$157.25					
8670	81 52 62	160	30-45 mm	\$166.50					
8680	81 52 64	160	30-55 mm dörrtjocklek	\$165.25					
8685	81 52 65	160	30-55 mm	\$152.75					
8690	81 52 66	160	30-55 mm dörrtjocklek	\$167.25					



Door Handles



14140



14240



14250



14890

The Villa-series

				Price in USD	
Name	Ordering number	Variation code	Information	11	13
The prints without return spring for lightweight internal doors					
14010	36 11 72	511	36-45 mm door thickness. Key escutcheons and screws are included	\$101.75	\$102.75
14020	36 11 73	511	36-45 mm door thickness. Key escutcheons and screws are included	\$93.50	\$94.00
14070	36 11 75	511	36-45 mm door thickness. Key escutcheons and screws are included	\$91.50	\$92.25
14090	36 11 77	511	36-45 mm door thickness. Key escutcheons and screws are included	\$106.25	\$107.00
14110	36 11 78	511	36-45 mm door thickness. Key escutcheons and screws are included	\$99.00	\$100.00



Door Handles



14140



14240



14250



14890

The Villa-series

				Price in USD	
Name	Ordering number	Variation code	Information	011	013
The prints without return spring for lightweight internal doors					
14140	36 11 81	511	36-45 mm door thickness. Key escutcheons and screws are included		\$96.25
14160	36 11 83	511	36-45 mm door thickness. Key escutcheons and screws are included	\$106.50	\$107.00
14180	36 11 84	511	36-45 mm door thickness. Key escutcheons and screws are included	\$102.00	\$102.75
14200	36 11 86	511	36-45 mm door thickness. Key escutcheons and screws are included	\$101.00	\$102.00
14240	36 47 83	511	36-45 mm door thickness. Key escutcheons and screws are included	\$96.75	\$97.50
14250	36 47 88	511	36-45 mm door thickness. Key escutcheons and screws are included	\$95.00	\$95.50
Accessories for HEMMA series					
14890 Toilet accessory	36 11 90	100	To be used with interior locks such as Abloy 2014	\$76.00	\$77.00
14990, key escuteon	36 11 88	100	To be used with interior locks such as Abloy 2014. Escutcheons are included with the handles		
Door thickness 35-45 mm 1.37" - 1.77"					
Bag pack 5 pair/carton					



Basic - Products for Interior Use



696 Basic



640 Basic



6696 Basic



6640 Basic



Cylinderring Basic



Vred 560 Basic



265 B

Door handles

				Price in USD		
Name	Ordering number	Variation code	Information	002	011	013
696 Basic	36 41 13	160	Bag pack 10 pairs/carton	\$87.50	\$89.25	\$94.25
			40-75 mm			
			door thickness.			
640 Basic	36 43 79	160	Bag pack 10 pairs/carton	\$87.50	\$101.75	\$94.25
			40-75 mm			
			door thickness.			
Sprung handles						
6696 Basic	36 41 15	160	Bag pack 10 pairs/carton	\$115.00	\$116.75	\$121.75
			40-75 mm			
			door thickness.			
6640 Basic	36 43 76	160	Bag pack 10 pairs/carton	\$115.00	\$116.75	\$121.75
			40-75 mm			
			door thickness.			

Cylinder rings

Name	Ordering number	Variation code	Information	Price in USD		
				002	011, 013	
Cylinderring Basic 6 mm	36 41 18	800	25 pcs/carton.	\$11.75	\$15.50	
Cylinderring Basic 8 mm	36 41 19	800	25 pcs/carton.	\$11.75	\$15.50	
Cylinderring Basic 11 mm	36 41 20	800	25 pcs/carton.	\$11.75	\$15.50	
Cylinderring Basic 13 mm	36 41 21	800	25 pcs/carton.	\$11.75	\$15.50	
Cylinderring Basic 16 mm	36 41 22	800	25 pcs/carton.	\$11.75	\$15.50	
Cylinderring Basic 18 mm	36 41 23	800	25 pcs/carton.	\$11.75	\$15.50	
Cylinderring Basic 21 mm	36 41 24	800	25 pcs/carton.	\$11.75	\$1,550.00	

Thumb turns

Name	Ordering number	Variation code	Information	Price in USD		
				002	011	013
Vred 560 Basic	36 43 64	800	25 pcs/carton.	\$24.25	\$27.00	\$28.50

Toilet accessories

Name	Ordering number	Variation code	Information	Price in USD		
				002	011	013
265 B	36 48 09	100	Max 50 mm door thickness. 5 pcs/carton	\$31.50	\$34.25	\$35.50



Hinges



3012



3012-01



3220



3225-08



3228



3228-AM



3232

3012, for steel doors with steel frame

Name	Ordering number	Variation code	Information	Price in USD
				057
3012	81 67 26	103-105		\$62.25
3012-01	80 78 62	103-105		\$71.25
Multi-pack 10 pcs				

3210, for outward opening French doors

Name	Ordering number	Variation code	Information	Price in USD
				057
3210	81 13 24	103-105		\$24.00

3220, for unrebuted doors

Name	Ordering number	Variation code	Information	Price in USD
				057
3220	46 38 47	163-165		\$33.75
Multi-pack 10 pcs				

3225-08, for unrebuted outward opening French doors

Name	Ordering number	Variation code	Information	Price in USD
				057
3225-08	80 47 51	103-105		\$30.50



Hinges



3012



3012-01



3220



3225-08



3228



3228-AM



3232

3228, for unrebbated doors

Name	Ordering number	Variation code	Information	Price in USD		
				054	057	064
3228	46 38 51	163-165			\$23.25	\$29.25
3228-AM	81 73 83	163-165	Antique style		\$51.75	\$58.00
3228-08	80 75 85	163-165	For security pin		\$29.50	\$35.50
Multi-pack 10 pcs						

3228-SS, for unrebbated doors

Name	Ordering number	Variation code	Information	Price in USD		
				031		
3228-SS	80 79 46	163-165		\$85.25		
Multi-pack 10 pcs						

3232, for anti-squeeze unrebbated doors

Name	Ordering number	Variation code	Information	Price in USD		
				057		
3232	80 22 98	103-105		\$33.75		
Multi-pack 10 pcs						



Hinges



3241



3244



3248



3248-AM



3248-05



3278



3288-10

3240-42.5, for steel frames. Use with door part from 3228, 3229, 3244 and 3248

Name	Ordering number	Variation code	Information	Price in USD	
				057	
3240-42,5 RH	80 24 80	100		\$51.25	
3240-42,5 LH	80 24 79	100		\$51.25	
Multi-pack 10 pcs					

3241, for steel frames. Use with door part from 3228, 3229, 3244 and 3248

Name	Ordering number	Variation code	Information	Price in USD	
				057	
3241- 46 H	80 50 35	100		\$26.75	
3241-46 V	80 50 34	100		\$26.75	
3241-49 H	80 50 37	100		\$26.75	
3241-49 V	80 50 36	100		\$26.75	

3244, for unrebated doors

Name	Ordering number	Variation code	Information	Price in USD	
				057	064
3244	46 95 21	163-165		\$25.00	\$30.00
Multi-pack 10 pcs					



Hinges



3241



3244



3248



3248-AM



3248-05



3278



3288-10

3248, for unrebated doors

Name	Ordering number	Variation code	Information	Price in USD	
				057	064
3248	46 88 67	163-165		\$22.50	\$28.50
3248-AM	81 73 86	163-165		\$51.75	\$58.00
3248-05	81 71 35	163-165		\$35.75	\$53.00
3248-06	81 77 37	163-165		\$30.00	\$35.25
Multi-pack 10 pcs					

3278, for unrebated doors

Name	Ordering number	Variation code	Information	Price in USD	
				064	
3278	80 73 59	163-165		\$32.25	
Multi-pack 10 pcs					

3278, for rebated doors

Name	Ordering number	Variation code	Information	Price in USD	
				057	
3288	80 79 73	103-105		\$53.50	
3288-10	35 33 94	103-105		\$51.75	
Multi-pack 10 pcs					



Hinges



6248-09



FOP



1212



1222



K 1227

6248

Name	Ordering number	Variation code	Information	Price in USD	
				000	
6248-09	36 10 69	163		\$54.00	

FOP (Free Opening Performance)

Name	Ordering number	Variation code	Information	Price in USD	
				034	058
3228-01 FOP	36 44 89	163-165			\$145.50
3248-01 FOP	36 44 85	163-165			\$154.75
3228-01 FOP SS4	36 44 90	163-165		\$184.75	
3248-01 FOP SS4	36 44 86	163-165		\$202.50	

1212, for outward opening windows, unrebated hatches etc

Name	Ordering number	Variation code	Information	Price in USD	
				000	048
1212	80 81 24	903-905			\$20.75
1212-01	80 81 30	100		\$14.50	
Multi-pack 10 pcs					

1222, for outward opening windows, unrebated hatches etc

Name	Ordering number	Variation code	Information	Price in USD	
				057	
1222-85 mm	45 17 51	163-165		\$19.00	
Multi-pack 10 pcs					

1223, for inward opening windows without weather seal

Name	Ordering number	Variation code	Price in USD		
			057		
1223-100 mm	45 19 73	103-105	\$21.25		
Multi-pack 10 pcs					

K1227, for doors with special decorative demands

Name	Ordering number	Variation code	Information	Price in USD	
				002	020
K 1227-110 mm	45 17 71	103-105	Incl. ball- bearing	\$173.75	\$179.00
Multi-pack 10 pcs					



Hinges



Lift-off hinge 1228, steel (for windows and non-rebated doors)

Name	Ordering number	Variation code	Information	Price in USD	
				057	
1228-85 mm	45 53 21	163-165		\$20.75	
Multi-pack 10 pcs					

2418, for outward opening windows and unrebated lighter doors

				Price in USD	
Name	Ordering number	Variation code	Information	057	267
2418	81 64 34	103-105		\$20.75	\$23.75
Multi-pack 10 pcs					

279 and 280, for one- and two-way swing doors

				Price in USD	
Name	Ordering number	Variation code	Information	002	057
279-100 mm	45 37 82	100	One way spring function	\$128.00	\$122.50
279-150 mm	45 37 84	100	One way spring function	\$156.75	\$151.25
280-75 mm	45 37 85	100	Two way spring function	\$157.75	\$155.75
280-100 mm	45 37 86	100	Two way spring function	\$172.50	\$169.00
280-150 mm	45 37 88	100	Two way spring function	\$180.00	\$179.75
Hinges offers closing function and support for the door.					
Multi-pack 2 pcs					

2220, 2228 and 2248, for unrebated automatically closing doors

Name	Ordering number	Variation	Information	Price in USD	
				057	
2220-100 mm	45 15 45	103-105		\$104.50	
2228-110 mm	45 15 46	103-105		\$79.75	
2248-110 mm	80 36 55	103-105		\$77.75	
Do not work as support for the door, adds closing function only.					
Multi-pack 2 pcs					



ASSA Connect Solenoid Locks



880-50, 884-50



881-50, 885-50, 886-50



881-50, 885-50, 886-50

ASSA Connect Solenoid lock sets

Name	Ordering number	Variation code	Price in USD
			057
Lock set 880-50 (replaces 8030)	35 81 41	123	\$1,052.25
Lock set 881-50 (replaces 8025)	35 81 43	123	\$1,110.50
Lock set 884-50 (replaces 8098)	35 81 45	123	\$1,244.00
Lock set 885-50 (replaces 8065)	35 81 47	123	\$1,240.25
Complete sets including; lock case, cable, strikeplate 1487-2, spindles, fastening screws and manual.			

ASSA Connect Solenoid lock cases

Name	Ordering number	Variation code	Price in USD
			057
Lock case 881-50 (replaces 8025)	35 81 43	103	\$1,007.75
Lock case 884-50 (replaces 8098)	35 81 45	103	\$1,065.25
Lock case 886-50 (replaces 8020)	35 86 50	103	\$1,166.00



Electric Strikes 900-Series



Electric strike 900 series

Electric Strikes with Multifunction

Name	Product no. / Description	Article number	Price in USD
Electric Strike 900	Electric Strike 900	900107000	\$350.50
Electric Strike 900M	Electric Strike 900 M with lock contact	900437000	\$452.00

Electric Strikes with fail secure (locked)

Name	Product no. / Description	Article number	Price in USD
Electric Strike 910	Electric Strike 910	910107000	\$403.00
Electric Strike 910M	Electric Strike 910M with lock contact	910437000	\$502.75

Electric strikes with fail safe (unlocked)

Name	Product no. / Description	Article number	Price in USD
Electric Strike 911	Electric Strike 911	911107000	\$403.00
Electric Strike 911M	Electric Strike 911M with lock contact	911437000	\$502.75

Electric strikes with Fire rated E/I 60 Fail secure

Name	Product no. / Description	Article number	Price in USD
Electric Strike 920	Electric Strike 920	920107000	\$523.50
Electric Strike 920M	Electric Strike 920M with lock contact	920437000	\$623.25



Accessories 900-Series



930T

9487-3

Faceplates Wooden frame

Name	Product no. / Description	Article number	Price in USD	
Face plate 930T	Faceplate 930T	930T10031	\$96.00	
Face plate 932T	Faceplate 932T	932T10031	\$95.25	
Face plate 9487-2	Faceplate 9487-2	94872100031	\$115.25	
Face plate 9487-3	Faceplate 9487-3	94873100031	\$115.25	
Face plate 9487-4	Faceplate 9487-4	94874100031	\$115.25	

Face plate Aluminum profile

Name	Product no. / Description	Article number	E-number	Price in USD
Face plate 940	Face plate 940	940100031		\$76.00
Face plate 942	Face plate 942	94210031		\$76.00
Face plate 986	Face plate 986 fits 20/86	986100031	E58 669 30	\$76.00
Face plate 9487-10	Face plate 9487-10	94871000031		\$76.00
Face plate 950S	Face plate 950-S fits Schüco ADS 50NI	950S100031	E58 669 19	\$76.00
Face plate 965S	Face plate 965-S fits Schüco ADS 65HD	965S100031	E58 669 21	\$76.00
Face plate 970	Face plate 970	970100031		\$76.00
Face plate 975-S	Face plate 975-S	975S100031		\$76.00
Face plate 980	Face plate 980	980100031		\$76.00
Face plate 975-W	Face plate 975-W	975W100031		\$76.00
Face plate 965-W	Face plate 965-W	965W100031		\$76.00
Face plate 946-W	Face plate 946-W fits Wicona 65N	946W100031	E58 669 14	\$76.00
Face plate 917-W	Face plate 917-W, Wicona 77FP	917W100031	E58 668 96	\$76.00
Face plate 965 WM	Face plate 965-WM fits Wicona W65	965WM10031	E58 669 22	\$76.00
Face plate 975 WM	Face plate 975-WM fits Wicona W75	975WM10031	E58 669 27	\$76.00
Face plate 966	Face plate 966 fits Preconal 66	966100031	E58 669 24	\$76.00

Faceplates Steel profile

Name	Product no. / Description	Article number	Price in USD	
Face plate 930	Faceplate 930	930100031	\$94.50	
Face plate 931-17	Faceplate 931-17	93117100031	\$115.25	
Face plate 931-20	Faceplate 931-20	93120100031	\$115.25	
Face plate 931-26	Faceplate 931-26	93126100031	\$115.25	
Face plate 932	Faceplate 932	932100031	\$94.50	
Face plate 933-17	Faceplate 933-17	93317100031	\$115.25	
Face plate 933-20	Faceplate 933-20	93320100031	\$115.25	
Face plate 933-26	Faceplate 933-26	93326100031	\$115.25	

[illegible]

[illegible]

This image shows a full page of blank, lined paper. It features approximately 28 evenly spaced horizontal grey lines across its entire width, providing a template for handwriting practice or general note-taking. The margins are consistent on all sides.



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