

3 Tubular Latches

**3a Heavy Duty Lever Latches
Series HLL**

3 Features

4 Ordering String

6 Functions

8 Dummy Mounts

12 Trim Sets

14 Specifications



Heavy Duty Lever Latch

HLL Series

Quality

The FSB latch is a high quality, heavy duty tubular latch manufactured in Germany to meet stringent quality standards. This series is designed to work with a vast array of FSB lever handle designs. Built using a heavy-gauge stainless steel case, the latch features high strength steel compression springs for long life and durability.

The HLL series latches have surpassed over 400,000 operating cycles. Applications include high-end residential, hospitality, retail, and office buildings.

The latch is backed by a 3 year limited warranty.

Design Advantage

FSB has the widest selection of designer levers and trim in the Industry. With more than 100 lever and trim designs that can be suited with our standard, narrow style and European mortise locks, sliding door locks, sliding door hardware, and door pulls we will complement your design vision.

Specifying Latch Sets

Heavy Duty Lever Latches (HLL)

Lock Type	Lock and Latch Function	Lever or Knob Design	Trim Set																																																												
HLL	<p>C</p> <p>Insert your choice of function using one of the letter codes below</p> <p>CU UL Passage C Passage E Privacy</p> <p>Y Fixed Back to Back Z Fixed Single</p>	<p>1147</p> <p>Insert your choice of lever or knob design using one of the four digit codes.</p> <p>Levers</p> <table> <tr><td>1001*</td><td>1051+</td><td>1111**</td></tr> <tr><td>1002*</td><td>1053</td><td>1119</td></tr> <tr><td>1003*</td><td>1057</td><td>1126</td></tr> <tr><td>1004*</td><td>1058+</td><td>1134*</td></tr> <tr><td>1005</td><td>1070</td><td>1144</td></tr> <tr><td>1015</td><td>1074*</td><td>1146</td></tr> <tr><td>1016</td><td>1075</td><td>1147</td></tr> <tr><td>1020</td><td>1076</td><td>1160</td></tr> <tr><td>1021</td><td>1077</td><td>1163**</td></tr> <tr><td>1023</td><td>1078</td><td>1164**</td></tr> <tr><td>1025</td><td>1080</td><td>1176</td></tr> <tr><td>1027</td><td>1088</td><td>1177</td></tr> <tr><td>1028</td><td>1093*</td><td>1178</td></tr> <tr><td>1031*</td><td>1102*</td><td>1183*</td></tr> <tr><td>1034</td><td>1106</td><td>1216+</td></tr> <tr><td>1035*</td><td>1107</td><td>1241**</td></tr> <tr><td>1045</td><td>1108</td><td></td></tr> </table> <p>* Aluminum available in natural color and RAL only ** Aluminum available in natural color only + Not available with RJ Trim</p> <p>Knobs</p> <table> <tr><td>0802</td><td>0826</td><td>0844</td></tr> <tr><td>0803</td><td>0828</td><td>0880</td></tr> <tr><td>0804</td><td>0829</td><td></td></tr> </table> <p>Knobs are for Passage function locks only.</p>	1001*	1051+	1111**	1002*	1053	1119	1003*	1057	1126	1004*	1058+	1134*	1005	1070	1144	1015	1074*	1146	1016	1075	1147	1020	1076	1160	1021	1077	1163**	1023	1078	1164**	1025	1080	1176	1027	1088	1177	1028	1093*	1178	1031*	1102*	1183*	1034	1106	1216+	1035*	1107	1241**	1045	1108		0802	0826	0844	0803	0828	0880	0804	0829		<p>RA</p> <p>Insert your choice of rose or escutcheon using one of the two digit codes.</p> <p>Roses</p> <p>RA Hard Edge Rose 2³/₁₆" (55 mm) RD Rose 2³/₁₆" (65 mm) RF Narrow Rose RJ Flush Rose (55 mm) RM Square Rose with Concealed Fasteners</p> <p>Escutcheon Plates</p> <p>EA Short Rounded EC Long Rounded EB Short Rectangular ED Long Rectangular</p> <p>Trim sets are dependent on lock function. Not all trim sets are available for all functions. More details are provided on the lock function pages.</p>
1001*	1051+	1111**																																																													
1002*	1053	1119																																																													
1003*	1057	1126																																																													
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1020	1076	1160																																																													
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0804	0829																																																														

All details subject to modification

Material and Finish

6204

Insert your choice of material and finish using one of the four digit codes.

Aluminum Anodized

- **0105** Natural Color (628)
- **0205** Champagne Silver Color
- **0305** Brass Color (688)
- **0405** Light Bronze Color (709)
- **0505** Medium Bronze Color (703)
- **0704** Dark Bronze Color (710)
- **0805** Black Color (711)

Aluminum Powder Coated

- **8120** Black (671)
- **8220** White (714)

Stainless Steel

- **6204** Satin (630)
- **6205** Polished (629)

Brass

- **4205** Polished, Lacquered (605)
- **4305** Polished, Waxed
- **4404** Oxidized, Waxed (607)

Bronze

- **7305** Polished, Waxed
- **7615** Aged, Waxed (615)
- **7625** Dark Oxidized, Waxed (613)

Backset

238

Insert your choice of backset using one of the three digit codes below

Standard

- 238** 2³/₈" Backset
- 234** 2³/₄" Backset

Strike

T1

Insert your choice of strike using one of the codes below

Standard

T1

Special Order

- T2** **T13**
- T3** **T14**
- T4** **T15**
- T5** **T16**
- T6** **T17**
- T7** **T18**
- T8** **T19**
- T9** **T20**
- T10** **T21**
- T11** **T22**
- T12**

Door Thickness

134

Insert your choice of door thickness using one of the three digit codes.

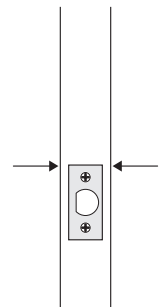
Standard

- 134** 1³/₄"
- 138** 1³/₈"

Special Order

- 200** 2"
- 214** 2¹/₄"

All sizes over 2¹/₄" thick please consult FSB.



Example for Specifying

HLL - C - 1147 - RA - 6204 - 238 - T1 - 134

Heavy Duty Lever Latch

Series HLL Functions



Series HLL

Heavy Duty Lever Latch
Passage only

Specifications

Field reversible with adjustable bevel.

Backsets

2 3/8" (60 mm)
2 3/4" (70 mm)

Strike

Universal curved lip T-Strike with dustbox.

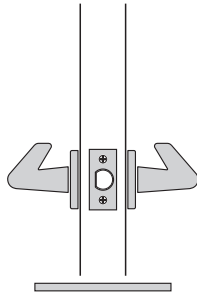
Faceplates

Faceplate width 1" (25.4 mm) for minimum 1 3/8" (35 mm) door thickness.
Faceplate width 1 1/8" (28.5 mm) optional.

CU Function comes with 1 1/8" (28.5 mm) width as standard.

Function CU

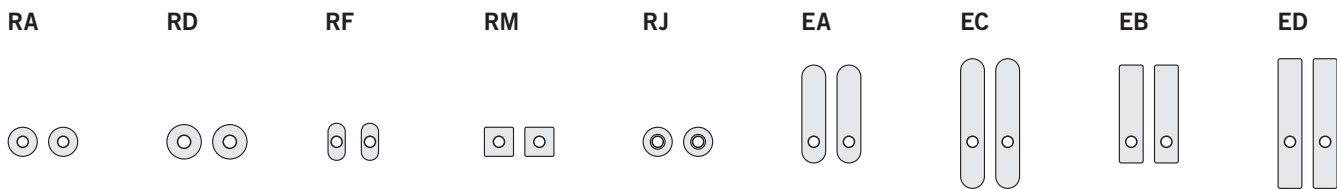
UL Rated Passage



Latch bolt by handle either side.



Trim Sets



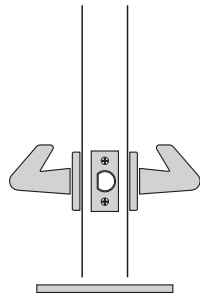
All details subject to modification

Heavy Duty Lever Latch

Series HLL Functions

Function C

Passage



Latch bolt by handle either side.

Trim Sets

RA



RD



RF



RM



RJ



EA



EC



EB

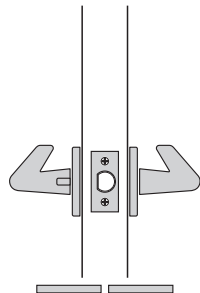


ED

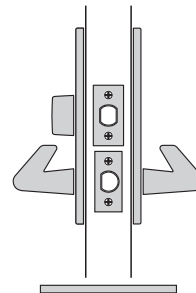


Function E

Privacy



Latch bolt by handle either side. Outside handle locked by push button inside. Outside handle unlocked by retracting inside handle, emergency release tool, or closing the door.



Latch bolt by handle either side. Deadbolt by thumbturn inside and emergency release outside.

Trim Set

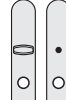
RD



EA



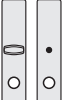
EC



EB



ED



Note: Trim Set RD is limited to 1 3/8" – 2 1/4" thick doors only.

EA - ED trim is provided as a stacked set with a tubular passage set and thumbturn deadbolt with emergency release.

All details subject to modification

Heavy Duty Lever Latch

Series HLL Functions

Function Y

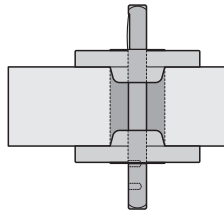
Fixed Back to Back Dummy

Trim Sets

05 0423 00000

RA

RM



Through bolted mounting with face preparation only, for non pre-drilled doors.

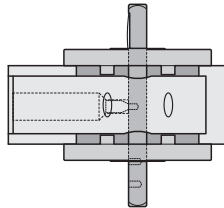
Set includes two dummy mount subroses, one pair of 2³/₁₆" (55 mm) roses, one straight spindle and two levers.

Trim Sets

05 0423 00500

RD

RF



Through bolted mounting with 1" Ø edge borehole.

Set includes one borelock, one straight spindle, one pair of 2³/₁₆" (65 mm), round or narrow roses and two levers. Supplied with blank faceplate to cover edge borehole.

All details subject to modification

Heavy Duty Lever Latch

Series HLL Functions

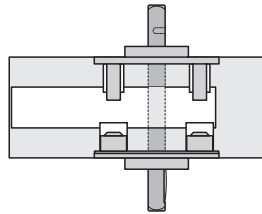
Function Y

Fixed Back to Back Dummy

Trim Sets

05 0423 00110

RJ



Through bolted mounting with $\frac{3}{4}$ " \varnothing borehole.

Set includes one mount bar, one straight spindle, one pair of $2\frac{3}{16}$ " (55 mm) flush roses and two levers. Supplied with blank faceplate to cover edge borehole.

Trim Sets

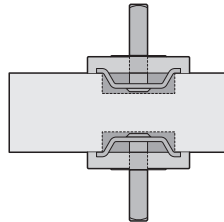
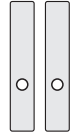
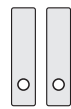
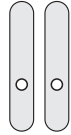
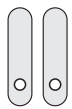
05 0423 00600

EA

EC

EB

ED



Two separate dummy mount spindles assembled with through bolted sub plates. Compatible with all $1\frac{25}{32}$ " (45 mm) wide FSB backplates with concealed screws.

Set includes two dummy mount spindles, two lever only backplates and two levers.

All details subject to modification

Heavy Duty Lever Latch

Series HLL Functions

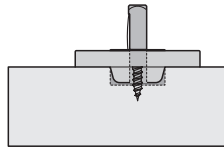
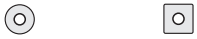
Function Z

Fixed Single Dummy

Trim Sets

05 0423 00400

RA **RM**



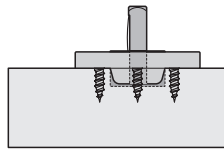
Surface mounted subrose.

Set includes one dummy mount, one 2³/₁₆" (55 mm) rose, and one lever.

Trim Sets

05 0423 00700

RD



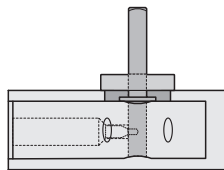
Surface mounted subrose.
Not recommended for hollow metal doors.

Set includes one dummy mount, one 2⁹/₁₆" (65 mm) rose by 1/4" (7 mm) and one lever.

Trim Sets

05 0423 00500

RF



Single sided with 1" Ø edge borehole.

Set includes one borelock, one half spindle (05 0423 00501), one narrow rose and one lever. Supplied with blank faceplate to cover edge borehole.

All details subject to modification

Heavy Duty Lever Latch

Series HLL Functions

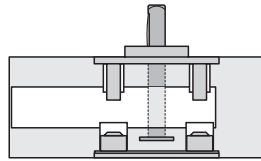
Function Z

Fixed Single Dummy

Trim Sets

05 0423 00110

RJ



Single sided with $\frac{3}{4}$ " \varnothing edge borehole and blank rose.

Set includes one mount bar, one half spindle, one pair of $2\frac{3}{16}$ " (55 mm) flush roses and two levers. Supplied with blank faceplate to cover edge borehole.

Trim Sets

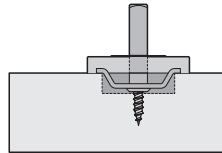
05 0423 00600

EA

EC

EB

ED



Single dummy mount spindle assembled with surface-mounted sub plate. Compatible with all $1\frac{25}{32}$ " (45 mm) wide FSB backplates with concealed screws.


Set includes one dummy spindle, one backplate and one lever.

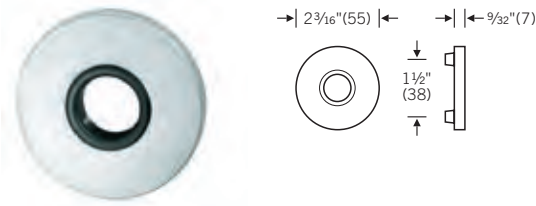
All details subject to modification

Trim Set Roses


Heavy Duty Lever Latches (HLL)

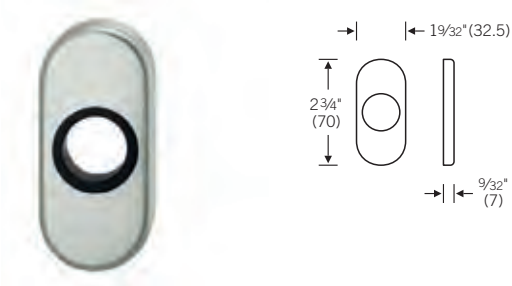
RA

17 1731 00401 
 Hard Edge Rose 2 3/16" (55 mm)




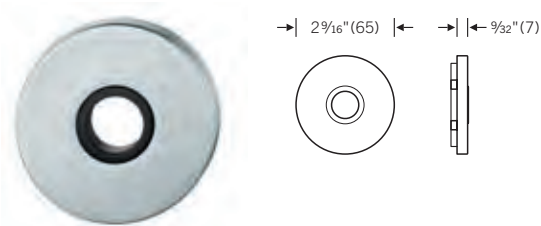
RF


17 1758 00001 
 Narrow Rose

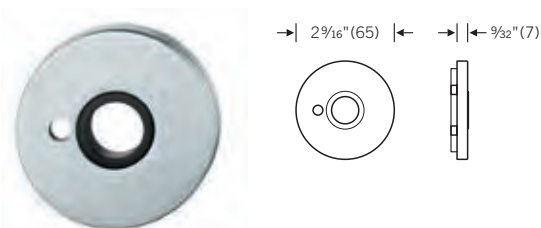


RD

17 1798 09003 
 Rose 2 9/16" (65 mm)




17 1798 09001 
 Privacy Roses 2 9/16" (65 mm), **Set only**

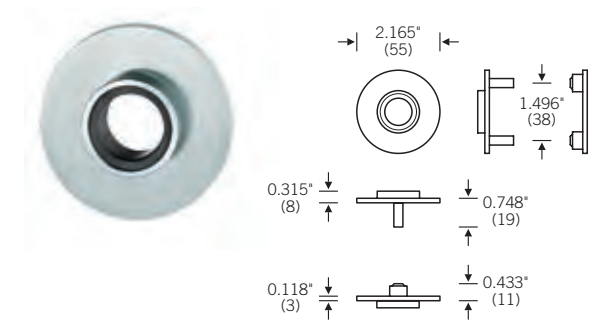


Set with privacy button




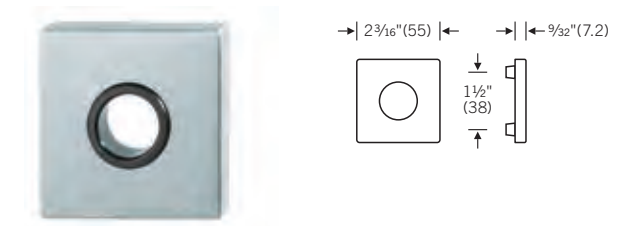
RJ

17 1736 09011 
 0.118 x 2.165" | 3 x 55 mm, 1 3/4" door thickness minimum



RM

17 1703 00401 
 Square Rose




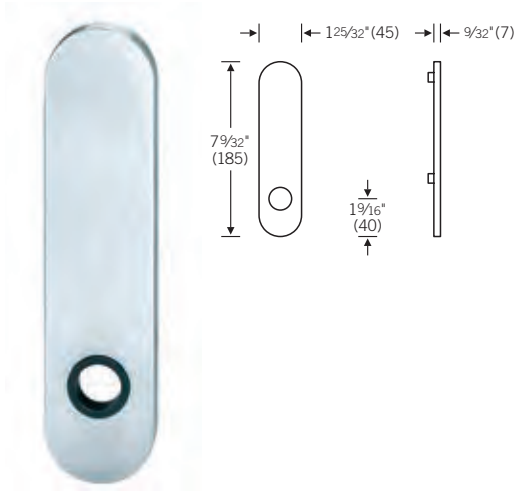
All details subject to modification

Trim Sets Escutcheon Plates


Heavy Duty Lever Latches (HLL)

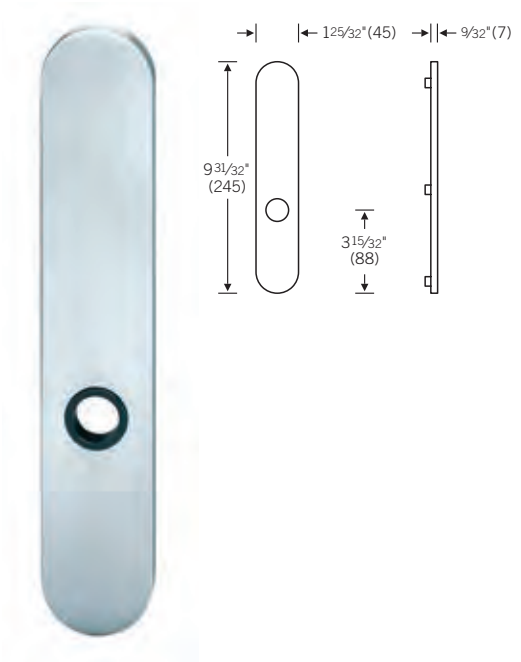
EA

14 1453 09000 
 7 9/32" (185 mm)




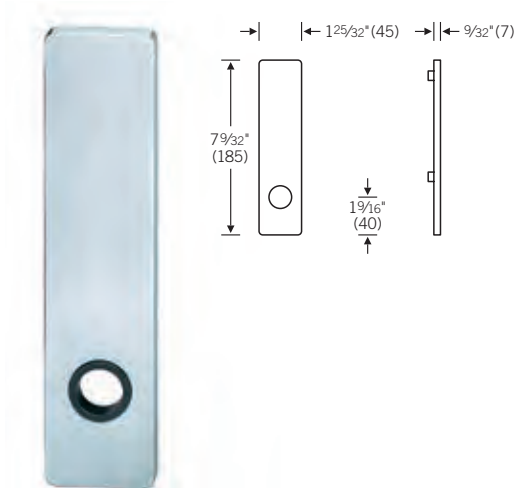
EC

14 1418 09000 
 9 5/8" (245 mm)




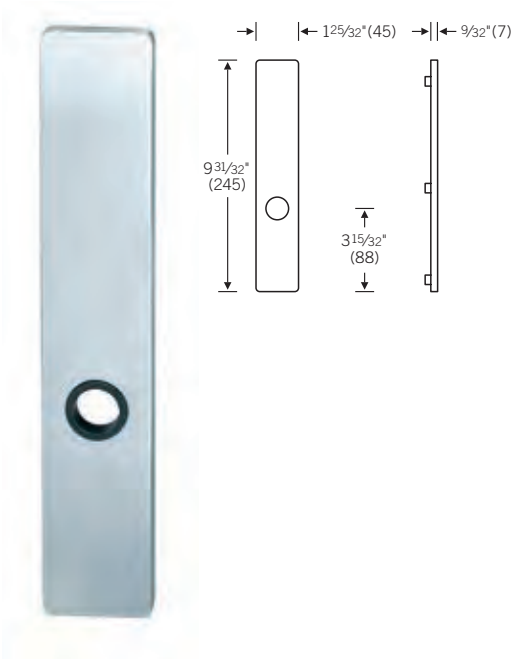
EB

14 1452 09000 
 7 9/32" (185 mm)



ED

14 1410 09000 
 9 5/8" (245 mm)



All details subject to modification

Tubular Latches

Suggested Specification

HLL 7010 Passage

UL Listing

3 Hour rated by Underwriters Laboratories, Inc.
UL File No. R16617

Steel Case

Size varies according to backset.
Heavy gauge .030" (.76 mm) thick, Stainless Steel.

Latch Front and Faceplate

1 1/8" x 2 1/4" (28.5 x 57 mm).
Wrought stainless steel, satin finish.
Adjustable for beveled conditions from flat to standard bevel 1/8" on 2" (3 on 51 mm).

Latch Bolt

1/2" (12.7 mm) throw.
One-piece solid brass, nickel finish.
Field reversible.

Hub

.315 (8 mm) square, solid brass with one way, 28° degree rotation for levers.

Door Thickness

1 3/4" - 2 1/4" (45 - 57 mm) Standard

Backsets

2 3/8" (60 mm), 2 3/4" (70 mm).

Strike

2 3/4" x 1 1/4" (70 x 32 mm) lip to center.
Wrought stainless steel, satin finish.
Regularly furnished with universal curved lip T-Strike with black plastic dust box.
Flat lip, full lip, special length strikes and wrought dust boxes available on a special order basis.

HLL 7130 Passage

HLL 7140 Privacy

All heavy duty tubular latchsets shall be series HLL as manufactured by FSB North America, Madison, CT.

Latches shall have either a 2 3/4" (70 mm) or 2 3/8" (60 mm) backset and be non-handed. Latches shall have uni-directional hubs for levers.
Strikes shall be curved lip, non-handed.

Lever and trim designs shall be capable of being suited to operate standard, narrow style and European mortise locks to maintain the design throughout the project. All locks and trim must be provided by the same manufacturer.

All heavy duty tubular latchsets shall carry a 3 year limited warranty.

Steel Case

Size varies according to backset. Heavy gauge .040" (1.00 mm) thick, Stainless Steel

Latch Front and Faceplate

1" x 2 1/4" (25.4 x 57 mm) Standard
1 1/8" x 2 1/4" (28.5 x 57 mm) Optional Stainless steel or bronze, finished to match.
Adjustable for beveled conditions from flat to standard bevel.

Latch Bolt

1/2" (12.7 mm) throw.
One-piece, satin nickel finish.
Field reversible.

Hub

.315" (8 mm) square, with one way, 28° degree rotation for levers.
(.315" (8 mm) clover on 7140 privacy)

Door Thickness

1 3/8" - 2 1/4" (35 - 57 mm) Standard

Backsets

2 3/8" (60 mm), 2 3/4" (70 mm).

Strike

2 3/4" x 1 1/4" (70 x 32 mm) lip to center.
Wrought stainless steel or bronze, finished to match. Regularly furnished with universal curved lip T-Strike with black plastic dust box. Flat lip, full lip, special length strikes and wrought dust boxes available on a special order basis.