The following explains ANSI/BHMA numbers which identify material and type of products. Look for the BHMA certified logo next to the product in our catalog. For a complete listing refer to the BHMA Certified Products Directory online at www.buildershardware.com.

**ANSI/BHMA CERTIFIED.** Certified hinges comply with American National Standard for Continuous Hinges ANSI/BHMA A156.26 and are listed in the BHMA Certified Products Directory.

**LEED Green Building**


Environmental Product Declarations (EPD) prepared and certified by an Independent Laboratory based on Life Cycle Assessments (LCA) of our products and Health Product Declarations (HPD) may be viewed on our website, www.ngp.com.

National Guard Products sustainability report may be viewed on our website, www.ngp.com.

**Buy American Requirements**

Over 99% of our products are produced in the United States as a domestic construction material, as defined in the Buy American Act (BAA) of March 1933 and amended by the Buy American Act of 1988 and FAR 52.225-9. A Buy American certificate may be obtained on our website, www.ngp.com.
HD1100
HD1100-LL

Concealed Continuous Geared Hinge
No Door Inset, Flush Mount for 1-3/4” Doors

Continuous geared aluminum hinges run the full height of the door evenly distributing the weight of the door along the full height of the frame. Ideal for high frequency and heavy weight doors in new construction and retrofit applications.

- Aluminum alloy 6063-T6; Anodized after machining
- Specially designed involute intermeshing gears
- Wear surfaces are lifetime anti-friction lubricated with a naturally hydrophobic graphite that doesn't attract dust or dirt
- Proprietary teflon infused self-lubricating wear resistant bearings
- No hinge reinforcement necessary except on extremely heavy, extremely high frequency or extra wide doors
- Lifetime of the door opening warranty
- #12-24 TEK MS
- "LL" model for doors up to 1,000 lbs. features lead-lined dual row hole pattern
- Standard lengths: 83", 85", 95", 119"

Available Options:
- #12 x 1-1/2” wood screws
- Torx security TEK screws
- Cut to net length
- Anti-ligature hospital tip - specify "ALHT"
- Dutch door prep - specify door handing, top door leaf length, and clearance between leafs

Finishes:
A - anodized aluminum
DKB - dark bronze anodized

Fire-rated 90 minute on hollow metal (except steel stiffened) or wood door leaves up to 4’0” x 8’0” and steel stiffened doors up to 4’0” x 7’2”.

ANSI/BHMA certified to A156.26 American National Standard for Continuous Hinges:
Grade 1 - 150 lb. door
Grade 2 - 300 lb. door
Grade 1 - 600 lb. door
HD1800
HD1800-LL

Concealed Continuous Geared Hinge
1/8" Door Inset, for 1-3/4" Doors

Continuous geared aluminum hinges run the full height of the door evenly distributing the weight of the door along the full height of the frame. Ideal for high frequency and heavy weight doors in new construction and retrofit applications.

- Aluminum alloy 6063-T6; Anodized after machining
- Specially designed involute intermeshing gears
- Wear surfaces are lifetime anti-friction lubricated with a naturally hydrophobic graphite that doesn't attract dust or dirt
- Proprietary teflon infused self-lubricating wear resistant bearings
- No hinge reinforcement necessary except on extremely heavy, extremely high frequency or extra wide doors
- Lifetime of the door opening warranty
- "LL" model for doors up to 1,000 lbs. features lead-lined dual row hole pattern
- Standard lengths: 83", 85", 95", 119"

Available Options:
- #12 x 1-1/2" wood screws
- Torx security TEK screws
- Cut to net length - specify door handing
- Anti-ligature hospital tip - specify "ALHT" and door handing
- Dutch door prep - specify door handing, top door leaf length, and clearance between leafs

Finishes:
A - anodized aluminum
DKB - dark bronze anodized

Fire-rated 90 minute on hollow metal (except steel stiffened) or wood door leafs up to 4'0" x 8'0" and steel stiffened doors up to 4'0" x 7'2".

ANSI/BHMA certified to A156.26 American National Standard for Continuous Hinges:
Grade 1 - 150 lb. door
Grade 2 - 300 lb. door
Grade 1 - 600 lb. door
HD1400
HD1400-LL

Concealed Continuous Geared Hinge
1/16" Door Inset, for 1-3/4" Doors

Continuous geared aluminum hinges run the full height of the door evenly distributing the weight of the door along the full height of the frame. Ideal for high frequency and heavy doors in new construction and retrofit applications.

- Aluminum alloy 6063-T6; Anodized after machining
- Specially designed involute intermeshing gears
- Wear surfaces are lifetime anti-friction lubricated with a naturally hydrophobic graphite that doesn't attract dust or dirt
- Proprietary teflon infused self-lubricating wear resistant bearings
- No hinge reinforcement necessary except on extremely heavy, extremely high frequency or extra wide doors
- Lifetime of the door opening warranty
- #12-24 TEK MS
- “LL” model for doors up to 1,000 lbs. features lead-lined dual row hole pattern
- Standard lengths: 83", 85", 95", 119"

Available Options:
- #12 x 1-1/2" wood screws
- Torx security TEK screws
- Cut to net length - specify door handing
- Anti-ligature hospital tip - specify “ALHT” and door handing
- Dutch door prep - specify door handing, top door leaf length, and clearance between leafs

Finishes:
A - anodized aluminum
DKB - dark bronze anodized

Fire-rated 90 minute on hollow metal (except steel stiffened) or wood door leafs up to 4'0" x 8'0" and steel stiffened doors up to 4'0" x 7'2".

ANSI/BHMA certified to A156.26 American National Standard for Continuous Hinges:
Grade 1 - 150 lb. door
Grade 2 - 300 lb. door
Grade 1 - 600 lb. door
**HD2400**
**HD2400-LL**

**Concealed Continuous Geared Hinge**
1/16" Door Inset, for 1-3/4" Doors

Continuous geared aluminum hinges run the full height of the door evenly distributing the weight of the door along the full height of the frame. Ideal for high frequency and heavy weight doors in new construction and retrofit applications.

- Aluminum alloy 6063-T6; Anodized after machining
- Specially designed involute intermeshing gears
- Wear surfaces are lifetime anti-friction lubricated with a naturally hydrophobic graphite that doesn't attract dust or dirt
- Proprietary teflon infused self-lubricating wear resistant bearings
- No hinge reinforcement necessary except on extremely heavy, extremely high frequency or extra wide doors
- Lifetime of the door opening warranty
- #12-24 TEK MS
- “LL” model for doors up to 1,000 lbs. features lead-lined dual row hole pattern
- Standard lengths: 83", 85", 95", 119"

**Available Options:**
- #12 x 1-1/2" wood screws
- Torx security TEK screws
- Cut to net length - specify door handing
- Anti-ligature hospital tip - specify “ALHT” and door handing
- Dutch door prep - specify door handing, top door leaf length, and clearance between leafs

**Finishes:**
A - anodized aluminum
DKB - dark bronze anodized

Fire-rated 90 minute on hollow metal (except steel stiffened) or wood door leafs up to 4’0" x 8’0" and steel stiffened doors up to 4’0" x 7’2".

ANSI/BHMA certified to A156.26 American National Standard for Continuous Hinges:
Grade 1 - 150 lb. door
Grade 2 - 300 lb. door
Grade 1 - 600 lb. door
**HD2700**
**HD2700-LL**

**Concealed Continuous Geared Hinge**
**No Door Inset, Flush Mount for 2" to 2-1/4" Doors**

Continuous geared aluminum hinges run the full height of the door evenly distributing the weight of the door along the full height of the frame. Ideal for high frequency and heavy weight doors in new construction and retrofit applications.

- Aluminum alloy 6063-T6; Anodized after machining
- Specially designed involute intermeshing gears
- Wear surfaces are lifetime anti-friction lubricated with a naturally hydrophobic graphite that doesn't attract dust or dirt
- Proprietary teflon infused self-lubricating wear resistant bearings
- No hinge reinforcement necessary except on extremely heavy, extremely high frequency or extra wide doors
- Lifetime of the door opening warranty
- #12-24 TEK MS
- "LL" model for doors up to 1,000 lbs. features lead-lined dual row hole pattern
- Standard lengths: 83", 85", 95", 119"

**Available Options:**
- #12 x 1-1/2" wood screws
- Torx security TEK screws
- Cut to net length
- Anti-ligature hospital tip - specify "ALHT"
- Dutch door prep - specify door handing, top door leaf length, and clearance between leaves

**Finishes:**
- A - anodized aluminum
- DKB - dark bronze anodized

Fire-rated 90 minute on hollow metal (except steel stiffened) or wood door leafs up to 4'0" x 8'0" and steel stiffened doors up to 4'0" x 7'2".

ANSI/BHMA certified to A156.26 American National Standard for Continuous Hinges:
- Grade 1 - 150 lb. door
- Grade 2 - 300 lb. door
- Grade 1 - 600 lb. door
**HD4100**  
**HD4100-LL**

**Concealed Swing-Clear**  
**Continuous Geared Hinge**  
**1/16” Door Inset for 1-3/4” Doors**

Continuous geared aluminum hinges run the full height of the door evenly distributing the weight of the door along the full height of the frame. Ideal for high frequency and heavy weight doors in new construction and retrofit applications.

- Aluminum alloy 6063-T6; Anodized after machining
- Specially designed involute intermeshing gears
- Wear surfaces are lifetime anti-friction lubricated with a naturally hydrophobic graphite that doesn't attract dust or dirt
- Proprietary teflon infused self-lubricating wear resistant bearings
- No hinge reinforcement necessary except on extremely heavy, extremely high frequency or extra wide doors
- Lifetime of the door opening warranty
- #12-24 TEK MS
- “LL” model for doors up to 1,000 lbs. features lead-lined dual row hole pattern
- Standard lengths: 83", 85", 95", 119"

**Available Options:**
- #12 x 1-1/2” wood screws
- Torx security TEK screws
- Cut to net length - specify door handing
- Anti-ligature hospital tip - specify “ALHT” and door handing
- Dutch door prep - specify door handing, top door leaf length, and clearance between leafs

**Finishes:**
- A - anodized aluminum
- DKB - dark bronze anodized

Fire-rated 90 minute on hollow metal (except steel stiffened) or wood door leafs up to 4’0” x 8’0” and steel stiffened doors up to 4’0” x 7’2”.

ANSI/BHMA certified to A156.26 American National Standard for Continuous Hinges:
- Grade 1 - 150 lb. door
- Grade 2 - 300 lb. door
- Grade 1 - 600 lb. door
HD5700

Full Surface Continuous Geared Hinge
1/16" Door Inset for 1-3/4" to 2-1/4" Doors

Continuous geared aluminum hinges run the full height of the door evenly distributing the weight of the door along the full height of the frame. Ideal for high frequency and heavy weight doors in new construction and retrofit applications.

- Aluminum alloy 6063-T6; Anodized after machining
- Specially designed involute intermeshing gears
- Wear surfaces are lifetime anti-friction lubricated with a naturally hydrophobic graphite that doesn't attract dust or dirt
- Proprietary teflon infused self-lubricating wear resistant bearings
- No hinge reinforcement necessary except on extremely heavy, extremely high frequency or extra wide doors
- Lifetime of the door opening warranty
- Frame leaf: #12-24 TEK flat head MS
- Door leaf: #12-24 TEK pan head MS and 1/4"-20 thru-bolts
- Standard lengths: 83", 85", 95", 119"

Available Options:
- #12 x 1-1/2" wood screws
- Torx security TEK & T.B. M.S.
- Cut to net length - specify door handing
- Dutch door prep - specify door handing, top door leaf length, and clearance between leafs

Finishes:
A - anodized aluminum
DKB - dark bronze anodized

Fire-rated 90 minute on hollow metal (except steel stiffened) or wood door leafs up to 4'0" x 7'2".

ANSI/BHMA certified to A156.26 American National Standard for Continuous Hinges:
Grade 1 - 150 lb. door
Grade 2 - 300 lb. door
Grade 1 - 600 lb. door
HD2100

Full Surface Swing Clear Continuous Geared Hinge 1/32" Door Inset for 1-3/4" to 2-1/4" Doors

Continuous geared aluminum hinges run the full height of the door evenly distributing the weight of the door along the full height of the frame. Ideal for high frequency and heavy weight doors in new construction and retrofit applications.

- Aluminum alloy 6063-T6; Anodized after machining
- Specially designed involute intermeshing gears
- Wear surfaces are lifetime anti-friction lubricated with a naturally hydrophobic graphite that doesn't attract dust or dirt
- Proprietary teflon infused self-lubricating wear resistant bearings
- No hinge reinforcement necessary except on extremely heavy, extremely high frequency or extra wide doors
- Lifetime of the door opening warranty
- Frame leaf: #12-24 TEK flat head MS
- Door leaf: #12-24 TEK pan head MS and 1/4"-20 thru-bolts
- Standard lengths: 83", 85", 95", 119"

Available Options:
- #12 x 1-1/2" wood screws
- Torx security TEK & T.B. M.S.
- Cut to net length - specify door handing
- Dutch door prep - specify door handing, top door leaf length, and clearance between leafs

Finishes:
A - anodized aluminum
DKB - dark bronze anodized

Fire-rated 90 minute on hollow metal (except steel stiffened) or wood door leafs up to 4'0" x 7'2".

ANSI/BHMA certified to A156.26 American National Standard for Continuous Hinges:
Grade 1 - 150 lb. door
Grade 2 - 300 lb. door
Grade 1 - 600 lb. door
**HD5300**

**Half Surface Continuous Geared Hinge**

3/32" Door Inset for 1-3/4" to 2-1/4" Doors

Continuous geared aluminum hinges run the full height of the door evenly distributing the weight of the door along the full height of the frame. Ideal for high frequency and heavy weight doors in new construction and retrofit applications.

- Aluminum alloy 6063-T6; Anodized after machining
- Specially designed involute intermeshing gears
- Wear surfaces are lifetime anti-friction lubricated with a naturally hydrophobic graphite that doesn't attract dust or dirt
- Proprietary teflon infused self-lubricating wear resistant bearings
- No hinge reinforcement necessary except on extremely heavy, extremely high frequency or extra wide doors
- Lifetime of the door opening warranty
- Frame leaf: #12-24 TEK flat head MS
- Door leaf: #12-24 TEK pan head MS and 1/4"-20 thru-bolts
- Standard lengths: 83", 85", 95", 119"

**Available Options:**

- #12 x 1-1/2" wood screws
- Torx security TEK & T.B. M.S.
- Cut to net length - specify door handing
- Dutch door prep - specify door handing, top door leaf length, and clearance between leafs

**Finishes:**

A - anodized aluminum
DKB - dark bronze anodized

Fire-rated 90 minute on hollow metal (except steel stiffened) or wood door leafs up to 4'0" x 7'2".

ANSI/BHMA certified to A156.26 American National Standard for Continuous Hinges:

Grade 1 - 150 lb. door
Grade 2 - 300 lb. door
Grade 1 - 600 lb. door
**HD5400**

**Half Surface Continuous Geared Hinge**

3/32" Door Inset for 1-3/4" to 2-1/4" Doors

Continuous geared aluminum hinges run the full height of the door evenly distributing the weight of the door along the full height of the frame. Ideal for high frequency and heavy weight doors in new construction and retrofit applications.

- Aluminum alloy 6063-T6; Anodized after machining
- Specially designed involute intermeshing gears
- Wear surfaces are lifetime anti-friction lubricated with a naturally hydrophobic graphite that doesn't attract dust or dirt
- Proprietary teflon infused self-lubricating wear resistant bearings
- No hinge reinforcement necessary except on extremely heavy, extremely high frequency or extra wide doors
- Lifetime of the door opening warranty
- Frame leaf: #12-24 TEK flat head MS
- Door leaf: #12-24 TEK pan head MS and 1/4"-20 thru-bolts
- Standard lengths: 83", 85", 95", 119"

**Available Options:**
- #12 x 1-1/2" wood screws
- Torx security TEK & T.B. M.S.
- Cut to net length - specify door handing
- Dutch door prep - specify door handing, top door leaf length, and clearance between leafs

**Finishes:**
A - anodized aluminum
DKB - dark bronze anodized

Fire-rated 90 minute on hollow metal (except steel stiffened) or wood door leafs up to 4'0" x 7'2".

ANSI/BHMA certified to A156.26 American National Standard for Continuous Hinges:
Grade 1 - 150 lb. door
Grade 2 - 300 lb. door
Grade 1 - 600 lb. door
HD4200

Half Surface Swing Clear Continuous Geared Hinge
1/32" Door Inset for 1-3/4" to 2-1/4" Doors

Continuous geared aluminum hinges run the full height of the door evenly distributing the weight of the door along the full height of the frame. Ideal for high frequency and heavy weight doors in new construction and retrofit applications.

- Aluminum alloy 6063-T6; Anodized after machining
- Specially designed involute intermeshing gears
- Wear surfaces are lifetime anti-friction lubricated with a naturally hydrophobic graphite that doesn't attract dust or dirt
- Proprietary teflon infused self-lubricating wear resistant bearings
- No hinge reinforcement necessary except on extremely heavy, extremely high frequency or extra wide doors
- Lifetime of the door opening warranty
- Frame leaf: #12-24 TEK flat head MS
- Door leaf: #12-24 TEK pan head MS and 1/4"-20 thru-bolts
- Standard lengths: 83", 85", 95", 119"

Available Options:
- #12 x 1-1/2" wood screws
- Torx security TEK & T.B. M.S.
- Cut to net length - specify door handing
- Dutch door prep - specify door handing, top door leaf length, and clearance between leafs

Finishes:
A - anodized aluminum
DKB - dark bronze anodized

Fire-rated 90 minute on hollow metal (except steel stiffened) or wood door leafs up to 4'0" x 7'2".

ANSI/BHMA certified to A156.26 American National Standard for Continuous Hinges:
Grade 1 - 150 lb. door
Grade 2 - 300 lb. door
Grade 1 - 600 lb. door