

PROJECT MANUAL

CD 90 - APRIL 05, 2023

PROJECT: ROADSIDE 2.0
A New Store and Cafe Building for Gould Farm

OWNER: THE WILLIAM J. GOULD ASSOCIATES, INC.
GOULD FARM RD.
MONTEREY, MA 01240

ARCHITECT: ZAC CULBRETH ARCHITECTURE
GREAT BARRINGTON, MA 01230



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MANU-DATA
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INFORMATION/SPECIFICATION

ADVANCED
COATINGS INC.

RUB-R-WALL FLUID APPLIED WATERPROOFING

07140
NOV 14

Fluid Applied Waterproofing
ADVANCED COATINGS INC.

1. PRODUCT NAME

Fluid applied waterproofing:
Rub-R-Wall

2. MANUFACTURER

Advanced Coatings Inc.
www.advancedcoatings.on.ca

Head Office:

P.O. Box 64
Midland, ON L4R 4K6
Toll Free: (800) 787-8059
Tel: (705) 534-4760
Fax: (705) 534-4058

Branch Office:

22 Oxenden Cres.
Etobicoke, ON M9C 4H4
Toll Free: (800) 730-0814
Tel: (416) 410-0814
Fax: (416) 695-2480

3. PRODUCT DESCRIPTION

Basic Use: A waterproofing membrane for vertical building elements below grade such as walls and foundations constructed of concrete block, poured concrete, plywood and insulated concrete forms (ICF). Rub-R-Wall prevents the passage of water under hydrostatic, dynamic or static pressure.

Example uses include:

- Foundation walls
- Elevator shafts
- Tunnels

New construction or retrofit.

For commercial, industrial and institutional applications.

Composition and Materials: Rub-R-Wall is a 100% rubber copolymer liquid applied waterproofing membrane (hydrocarbon polymers in hydrocarbon solvents) that is spray applied to the substrate by manufacturer approved applicators.

The more complicated the surface to be waterproofed, the more reason to use a liquid applied membrane. Rub-R-Wall membrane can conform to all irregular shapes whereas a sheet good must be precisely cut and fitted, pieced and seamed whether by hot air welding or adhesive methods. As well

as ensuring a thorough waterproofing job, the ease and simplicity of application will also reduce labour costs when compared with sheet goods or built up membrane systems.

The ability of Rub-R-Wall to conform to all irregularities whether intended or not makes it an ideal choice for re-waterproofing where there is little control over initial substrate quality.

There are no seasonal restrictions because Rub-R-Wall can be applied at low temperatures provided substrates are dry and frost-free. Once the membrane is applied it is impermeable to water. The excellent and tenacious bond of the membrane to substrates prevents the lateral movement of water between the membrane and substrate.

The system used for waterproofing:

Is a single layer membrane application (reinforced at joints or cracks) consisting of spraying a 1 mm (40 mils) thickness of membrane over a properly prepared substrate.

Limitations: In all cases the waterproofing must be protected from ultraviolet light rays and mechanical damage and should not be left permanently exposed. It can be protected by means of protection board or rigid insulation.

Thickness: 1 mm (40 mils) for single layer applications.

Application Rate: Over poured walls or parged block: 2.3 m² to 3.3 m²/4.5 L (25 to 35 sq. ft./gal.)

Over standard concrete block: 1.9 m² to 2.5 m²/4.5 L (20 to 27 sq. ft./gal.)

Colour: Green

4. TECHNICAL DATA

Applicable Standards: Meets the requirements of ASTM E-96 Type 1 water vapour permeance. Refer to Physical Properties chart for complete list of ASTM Standards governing Rub-R-Wall properties.

Environmental Considerations: Rub-R-Wall membrane is non-toxic, non-carcinogenic and will not contaminate ground water.



Above: Rub-R-Wall applied with pressure spray.



Above: Rub-R-Wall applied over poured concrete surface of foundation walls.

MANU-DATA 9663
Printed in Canada

5. INSTALLATION

Preparatory Work: The successful performance of Rub-R-Wall relies on 100% bond to substrate. To achieve complete adhesion, certain substrate requirements are necessary. Surfaces should be relatively smooth, clean, solid, free of scaling, fins, honeycombed areas, loose material, frost, dampness, dust, dirt, oil, grease, curing compounds and other foreign matter detrimental to adhesion of membrane.

Concrete surfaces should have a wood float finish or smoother. Refer to Examination section of specification for substrate requirements by others (new construction).

Under the work of the waterproofing section of work, the following preparatory requirements include:

1. Removing loose or foreign matter which might impair adhesion of materials.
2. Filling any minor imperfections in the substrates such as form tie holes and cracks with a proprietary mastic substrate filler (Rub-R-Wall Mastic).

Methods: Rub-R-Wall is applied using manufacturer approved applicators who undergo training and are monitored for quality performance.

Rub-R-Wall is sprayed on to surfaces using alternating horizontal and vertical passes to ensure complete coverage of substrate. Penetrations are sealed water tight.

Rub-R-Wall is applied within the recommended application temperature range (may be applied successfully at temperatures as low as -15°C (5°F)).

Airless spray equipment having a minimum pressure of 20 684 kPa (3000 psi) is used to apply Rub-R-Wall.

The coverage rate of the completed membrane application provides a seamless, monolithic surface with a final thickness of 1 mm (40 mils).

Typically, one crew can apply approximately 372 m² (4000 sq. ft.) of area per day. Drying time of Rub-R-Wall is approximately one hour, given average conditions and standard thickness, and may be influenced by

relative humidity, temperature and air flow.

Protection board or insulation may be applied to membrane surfaces after an initial set time of approximately 20 minutes while the membrane is still tacky, to prevent damage from coverings such as backfill, overburden, concrete, asphalt pavement or pavers. Once applied, this protection board (or insulation) is firmly and permanently adhered into place and cannot be removed. Where insulation acts as the protective cover on vertical surfaces wedges or clips, normally used to secure the insulation are eliminated.

Precautions: Protection board or insulation will adhere tenaciously to the Rub-R-Wall membrane so care must be taken to insure proper initial placement.

Do not backfill prior to 24 hours after membrane application. Ensure that backfill material is free of debris, organic material, boulders, rocks, concrete block debris or any other deleterious material not considered suitable fill.

Ensure that footing drains are installed in accordance with building code requirements.

Building Codes: Rub-R-Wall meets the intent of Part 5 (Section 5.5.2 - Dampproofing and Waterproofing) and Part 9 (Section 9.13 - Waterproofing and Dampproofing and 9.13 - Slabs-on Ground) of the National Building Code (NBC). Rub-R-Wall meets the requirements set by, BMEC #94-04-183.

6. AVAILABILITY AND COST

Availability: Rub-R-Wall is available across Canada and throughout the U.S., usually shipped from stock. Contact Advanced Coatings Inc. for list of Dealers/Applicators.

Cost: Current price list available from Dealers/Applicators along with standard conditions of sale.

7. WARRANTY

The information herein is the best available relating to Rub-R-Wall, and the recommendations contained herein are based on tests believed to be reliable. We warrant our products to

be of merchantable quality and suitable for the purpose for which it is intended. We do not make any other warranty, express or implied, statutory or otherwise.

8. MAINTENANCE

Rub-R-Wall membrane does not require any maintenance. Damaged areas are easily repaired by spraying over affected areas. Cold joints or re-coating is not a problem; newly applied material easily blends with existing Rub-R-Wall material to provide a monolithic membrane.

9. TECHNICAL SERVICES

Technical support is available from Advanced Coatings Inc. call Toll Free Head Office: (800) 787-8059 or Toll Free Branch Office: (800) 730-0814. Specification assistance. Site advice and recommendations.

10. RELATED REFERENCES

Autocad package of architectural waterproofing details and accompanying Master Specification (Microsoft Word) suitable for use by specifying authorities.

Advanced Coatings Inc. Rub-R-Wall Air/Vapour Barrier Manu-Data literature.



Above: Rub-R-Wall installed in retrofit application.

Typical Physical Properties* (Imperial Measure. Metric chart available upon request).

| PROPERTY | TEST METHOD | TEST RESULTS |
|-----------------------------------|---|---|
| Water Vapour Permeance | ASTM E96 (water method) | 0.093 perms for 40-mil dry coating grams /ft ² / hr in Hg. |
| Elongation (%) | ASTM D412 (die C) | 1800+ |
| Low-Temperature Flexibility | Bend around 0.5 inch mandrel | Flexible to -20° F (-29° C) |
| Abrasion Resistance | 700 psi on .06" x .06" point moving 1" per sec. | Less than 0.10% membrane loss |
| Asphalt Content | Non Applicable | 0.0% |
| 180° Peel Adhesion | Metal Plate | 18 lbs./inch (8 kg/2.54 cm) |
| Crack Bridging | ASTM C836 | Exceeds ten cycles to 1/8 inch (3 mm) at -15° F (-26° C) |
| Liquid Water Absorption | ASTM D95 | Less than 0.5% (weight) |
| Resistance to Bacteria | ASTM D4299-83 (modified) | No attack |
| Resistance to Degradation in Soil | ASTM E154 (soil preparation) | Excellent |
| Resistance to Algae | ASTM G29-75 (modified) | No attack |
| Resistance to Fungus | ASTM D2020 (modified) | No attack |
| Resistance to Chemical Attack | Visual | Unaffected by chemicals in concentrations typically found in soils |
| Solvent Resistance | Visual | Exceeds performance of modified asphalts |
| Life Expectancy | ASTM D412 ASTM D2240 | Exceeds 100 years |
| Density | | 6.8 - 7.8 lbs./gal. 0.9 kg/L (approx.) |

* Tests conducted by the Ortech Corporation of Mississauga, Ontario and the Akron Rubber Development Laboratory Inc., Akron, Ohio. Copy of test reports available upon request.

SPECIFICATION

SPEC NOTE: This waterproofing guide specification is basic and must be adapted to suit the requirements of individual projects. It is written in accordance with the Three-Part Section Format but may be rearranged to suit any format required. Square brackets [] indicate choice, alternatives, data required or need for the specifier to make a decision.

1 General**1.1 SECTION INCLUDES**

- .1 Substrate preparation.
- .2 Waterproofing membrane.
- .3 [Protective covering].
- .4 [Filter fabric].
- .5 [Insulation].
- .6 [Overburden].
- .7 [Metal sleeve flashings].

1.2 RELATED SECTIONS

SPEC NOTE: *Re 1.2. Limit the following listings only to sections that have a DIRECT affect on this section.*

- .1 Section [] - Asphalt Concrete Paving: Traffic bearing surface course.
- .2 Section [] - Cast-In-Place Concrete: Concrete substrate [concrete traffic topping] [slope to drain].
- .3 Section [] - Concrete Finishing.
- .4 Section [] - Structural Precast Concrete.
- .5 Section [] - Unit Masonry.
- .6 Section [] - Rough Carpentry: Wood nailers, curbs, cants.
- .7 Section [] - Air Barriers.
- .8 Section [] - Insulation: Rigid insulation cover.
- .9 Section [] - Sheet Metal Flashing and Trim: Counter flashings.
- .10 Section [] - Joint Sealants: Sealants and application for waterproofing.
- .11 Section [] - Plumbing Specialties: Deck / Area drains.

1.3 SUBMITTALS

- .1 Product Data: Provide data on material characteristics, performance characteristics, limitations and independent water vapour transmission test data.

1.4 QUALIFICATIONS

- .1 Applicator: Company specializing in performing work of this section approved by membrane material manufacturer.

1.5 MOCK-UP

SPEC NOTE: *Use 1.5 when specifying full sized erected assemblies required for review of construction, coordination of work of several sections, site testing, education of specific trades involved, or observation of installation.*

- .1 Provide mock-up of materials under provisions of Section [01340].
- .2 Construct typical [exterior wall sample panel], [] m long by [] m wide, incorporating penetration seals [and junction with air barrier], illustrating materials interface and seals.
- .3 Locate [where directed].
- .4 Mock-up may [not] remain as part of the work.
- .5 Allow [24] h for inspection of mock-up by [Consultant] before proceeding with [waterproofing] work.

1.6 PRE-INSTALLATION CONFERENCE

- .1 Convene [one week] prior to commencing work of this section, under provisions of Section [01040].
- .2 Ensure attendance of representatives from inspection company, manufacturer and applicator, and parties directly affecting the work of this section.
- .3 Review conditions of installation, installation procedures, and coordination with related work. Establish manufacturer's requirements for approval of substrate.

1.7 ENVIRONMENTAL REQUIREMENTS

- .1 Ensure application temperature and humidity recommended by material manufacturer is maintained before, during and after installation.
- .2 Do not expose materials vulnerable to water or sun damage in quantities greater than can be installed the same day.
- .3 Install [waterproofing] on dry surfaces, free of snow and ice and during weather that will not introduce moisture into waterproofing system.

- 1.8 SEQUENCING
- .1 Sequence work under the provisions of Section [_____].
 - .2 Sequence work to permit installation of materials in conjunction with related materials and seals.
- 1.9 CO-ORDINATION
- .1 Co-ordinate work of this section with all sections referencing this section.
- 2 Products**
- 2.1 MATERIAL
- .1 **Waterproofing Membrane:** Rub-R-Wall liquid applied 100% rubber copolymer membrane having a water vapour permeance of 0.093 perms when tested to ASTM E96, nominal total thickness [of 1 mm (40 mils) [as indicated on the drawings], manufactured by Advanced Coatings Inc. in accordance with physical properties as stated in manufacturer's literature.
 - .2 **Substrate Filler:** Rub-R-Wall Mastic, trowel grade heavy-bodied rubber mastic as manufactured by Advanced Coatings Inc.
 - .3 **Joint and Crack Reinforcement Strip:** ACI Flashing Tape or Approved Equal, self-adhered waterproof sheet, nominal .25 mm (10 mils) thickness, width as required, supplied by Advanced Coatings Inc.
 - .4 **Protection Board:** Reinforced high density polyethylene cross laminated sheeting.
 - .5 **Protection Board:** Wrap-N-Drain, Dimpled, High Density Polypropylene (HDPE) sheet barrier providing a continuous air gap of approximately 9.5 mm (3/8") between foundation walls and backfill.
 - .6 **Protection Board:** Geo-Wrap prefabricated composite drainage system, a three dimensional polymeric core drain board with a non-woven geotextile fabric fully bonded to the top dimples of the core, compressive strength 250 kN/m².
 - .7 **Protection Board:** Dow Styrofoam PERIMATE Insulation Drainage Media, 53 mm (2.1")(R-10) or 62.5 mm (2.5") (R-12) extruded polystyrene foam insulation, Class A, Type 2 Drainage Product, CAN/ULC S701-97 Type 4.
 - .8 **Insulation:** CAN/CGSB-51.20, Type IV, Type III, extruded, foamed ploy, rigid board, [square] [shiplapped] edges or approved equal.
 - .9 **Gravel for [Drainage Layer] [Setting Bed]:** Stone [19 to 32 mm (3/4" to 1-1.4")] size, well graded crushed stone, opaque, non-porous, washed, free from fines, long splinters, moisture, ice and snow.
- 2.2 ACCESSORIES
- .1 **Backer Rod:** Extruded, round, closed cell, heat resistant foam rod, 50% wider than joint, and as recommended by membrane manufacturer.
 - .2 **Fasteners:** For poured concrete and concrete block use 32 mm (1 1/4") concrete nails, non-corrosive self-tapping screws for ICF forms.
 - .3 **Joint Sealers:**
 1. Traffic Bearing Type [Silicone] [Polyurethane] type, colour [_____], as recommended by membrane manufacturer.[OR]
 2. Traffic Bearing Type: In accordance with Section [07900 - Joint Sealers.]
 3. Non-traffic Bearing Type for Substrate Joints: [_____], as recommended by membrane manufacturer.
- 3 Execution**
- 3.1 EXAMINATION
- .1 Verify that surfaces and conditions are suitable prior to commencing work of this section.
 - .2 Ensure that:
 1. Surfaces are sound, dry, even, and free of oil, grease, dirt, excess mortar or other contaminants.
 2. Concrete surfaces are cured and dry, smooth and without large voids, spalled areas or sharp protrusions.
 3. Masonry joints are flush and completely filled with mortar.
 4. Verify that all penetrations, sleeves, etc. are properly placed and secure.

- 3.2 PROTECTION
- .1 Protect adjacent work of other sections from splash, spray or spillage.
 - .2 Ensure drains, sleeves, vents, pipes and other items passing through substrates to be waterproofed are properly and rigidly installed.
 - .3 Commencement of installation implies acceptance of [site conditions,] [surfaces,] [substrate].
- 3.3 PREPARATION - GENERAL
- .1 Remove loose or foreign material such as grease, frost, paint, form oil or other material which might impair adhesion of materials.
 - .2 Fill any voids with mastic substrate filler.
SPEC NOTE: Check if project requires treatment of cracks, surface defects, and joints. Co-ordinate articles 3.3 and 3.4 accordingly. For cracks and joints more than 3 mm in width, please call manufacturer.
 - .3 Repair defects which will impair adhesion and performance of [waterproofing].
 - .4 Reinforce cracks 0 to 3 mm (1/8") wide with layer of ACI Flashing Tape min. 150 mm (6") wide centered over the crack.
- 3.4 MEMBRANE APPLICATION
- .1 Apply membrane and reinforcing in accordance with manufacturer's instructions. Ensure full bond of membrane to substrate.
 - .2 Apply membrane within recommended application temperature ranges. Consult manufacturer when membrane cannot be applied within these temperature ranges.
 - .3 Using airless spray equipment having a minimum pressure of 20 684 kPa (3000 psi), apply waterproofing membrane in multiple, uniform passes to provide seamless, monolithic cured membrane thickness of 1 mm (40 mils) as determined by a standard gauge.
 - .4 Complete application of membrane over vertical surfaces, including previously reinforced areas, at a rate of 2.3 to 3.3 m²/4.5 L (25 to 35 sq. ft./gal.) for poured concrete substrates [and 1.9 to 2.5 m²/4.5L (20 to 27 sq.ft./gal.) for block walls]. Continue membrane up vertical surfaces 150 mm (6") where detailed.
 - .5 For foundation walls, commence application at the top of footings, keeping the spray orifice 75 mm (3") away from the wall. Carry the membrane up the wall to a minimum height of 150 mm (6") above the final grade line or previously determined height.
 - .6 Ensure water tight seal at items penetrating membrane.
 - .7 Ensure continuity of building envelope air barrier.
 - .8 Upon completion of application, after allowing a cure time of approximately 20 minutes, depending on temperature and humidity, and while membrane is still tacky, adhere protection board [and/or insulation]. Take care to ensure proper initial placement. Do not overlap protection board.
 - .9 Do not commence backfill sooner than 24 hours after membrane application. Ensure that backfill material is free of debris, organic material, boulders, rocks, concrete block debris or any other deleterious material considered unsuitable fill.
SPEC NOTE: Add, as necessary, clauses pertaining to installation of insulation and filter fabric, metal flashings or other items as determined by job conditions.
- 3.5 FIELD QUALITY CONTROL
- .1 An independent inspection and testing company appointed [and paid for by the owner] [under Cash Allowance specified in Section 01020] [will carry out inspection and testing in accordance with the General Conditions] [and Section _____].
- 3.6 CLEANING
- .1 Clean work in accordance with Section [_____].
 - .2 Clean to the Consultant's approval, soiled surfaces, spatters, and damage caused by work of this Section.
 - .3 Check drains to ensure cleanliness and proper function, and remove debris, equipment and excess material from the site.
- 3.7 PROTECTION OF FINISHED WORK
- .1 Protect the finished work under provisions of Section [_____] - [_____].
 - .2 Do not permit adjacent work to damage work of this section.



STEGO® WRAP 15-MIL VAPOR BARRIER

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: DEC 8, 2022

1. PRODUCT NAME

STEGO WRAP 15-MIL VAPOR BARRIER

2. MANUFACTURER

Stego Industries, LLC
 216 Avenida Fabricante, Suite 101
 San Clemente, CA 92672
 Sales, Technical Assistance
 Ph: (877) 464-7834
 contact@stegoindustries.com
stegoindustries.com



3. PRODUCT DESCRIPTION

USES: Stego Wrap 15-Mil Vapor Barrier is used as a below-slab vapor barrier.

COMPOSITION: Stego Wrap 15-Mil Vapor Barrier is a multi-layer plastic extrusion manufactured with only high grade prime, virgin, polyolefin resins.

ENVIRONMENTAL FACTORS: Stego Wrap 15-Mil Vapor Barrier can be used in systems for the control of soil gases (radon, methane), soil poisons (oil by-products) and sulfates.

4. TECHNICAL DATA

TABLE 1: PHYSICAL PROPERTIES OF STEGO WRAP 15-MIL VAPOR BARRIER

| PROPERTY | TEST | RESULTS |
|--|--|--|
| Under Slab Vapor Retarders | ASTM E1745 Class A, B & C- Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs | Exceeds Class A, B & C |
| Water Vapor Permeance | ASTM F1249 – Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor | 0.0086 perms |
| Permeance After Conditioning (ASTM E1745 Sections 7.1.2 - 7.1.5) | ASTM E154 Section 8, F1249 – Permeance after wetting, drying, and soaking ASTM E154 Section 11, F1249 – Permeance after heat conditioning ASTM E154 Section 12, F1249 – Permeance after low temperature conditioning ASTM E154 Section 13, F1249 – Permeance after soil organism exposure | 0.0098 perms 0.0091 perms 0.0097 perms 0.0095 perms |
| Methane Transmission Rate | ASTM D1434 – Standard Test Method for Determining Gas Permeability Characteristics of Plastic Film and Sheeting | 192.8 GTR* (mL(STP)/m ² *day) |
| Radon Diffusion Coefficient | K124/02/95 | 8.8 x 10 ⁻¹² m ² /second |
| Puncture Resistance | ASTM D1709 – Test Method for Impact Resistance of Plastic Film by Free-Falling Dart Method | 2,266 grams |
| Tensile Strength | ASTM D882 – Test Method for Tensile Properties of Thin Plastic Sheeting | 70.6 lbf/in |
| Thickness | | 15 mil |
| Roll Dimensions | | width x length: area: 14' x 140' 1,960 ft ² |
| Roll Weight | | 147 lb |

Note: perm unit = grains/(ft*hr*in-Hg)

*GTR = Gas Transmission Rate

STEGO® WRAP 15-MIL VAPOR BARRIER

A STEGO INDUSTRIES, LLC INNOVATION | VAPOR RETARDERS 07 26 00, 03 30 00 | VERSION: DEC 8, 2022

5. INSTALLATION

UNDER SLAB: Unroll Stego Wrap 15-Mil Vapor Barrier over an aggregate, sand or tamped earth base. Overlap all seams a minimum of 6 inches and tape using Stego® Tape or Stego® Crete Claw® Tape. All penetrations must be sealed using a combination of Stego Wrap and Stego Accessories.

For additional information, please refer to Stego's complete installation instructions.

6. AVAILABILITY & COST

Stego Wrap 15-Mil Vapor Barrier is available through our network of building supply distributors. For current cost information, contact your local Stego distributor or Stego Industries' Sales Representative.

7. WARRANTY

Stego Industries, LLC believes to the best of its knowledge, that specifications and recommendations herein are accurate and reliable. However, since site conditions are not within its control, Stego Industries does not guarantee results from the use of the information provided herein. Stego Industries, LLC does offer a limited warranty on Stego Wrap. Please see stegoindustries.com/legal

8. MAINTENANCE

None required.

9. TECHNICAL SERVICES

Technical advice, custom CAD drawings, and additional information can be obtained by contacting Stego Industries or by visiting the website.

Email: contact@stegoindustries.com

Contact Number: (877) 464-7834

Website: stegoindustries.com

10. FILING SYSTEMS: stegoindustries.com

(877) 464-7834 | stegoindustries.com

DATA SHEETS ARE SUBJECT TO CHANGE. FOR MOST CURRENT VERSION, VISIT STEGOINDUSTRIES.COM



All designated trademarks are the intellectual property of Stego Industries, LLC. Installation, Warranty, and State Approval Information: stegoindustries.com/legal. All rights reserved.

Description

InsulFoam XV is an engineered insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS). InsulFoam XV meets or exceeds the requirements of ASTM C578, Type XV, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation. InsulFoam XV has a nominal density of 3.0 lb/ft³. In addition, InsulFoam XV offers a long-term stable R-value and has excellent dimensional stability, compressive strength and water resistance properties.

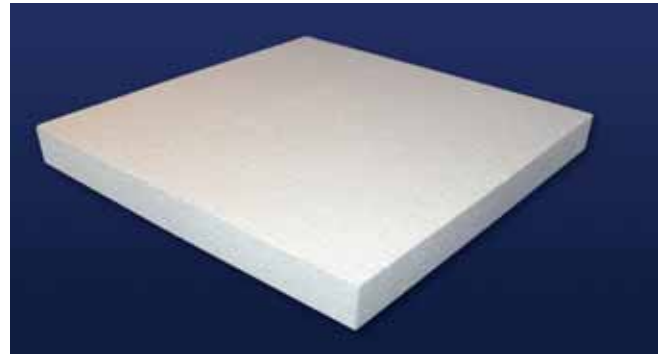
Uses

InsulFoam XV Insulation is successfully used in numerous commercial, industrial and residential applications. The following are examples of the many applications:

- Interior & Exterior Wall Insulation
- EIFS & Stucco Insulation
- Single-Ply Roof Insulation
- Roof Recover Board
- Continuous Below-Grade Insulation
- Foundation, Perimeter, Slab & Basement Insulation
- Retaining Walls
- Drainage Board
- Waterproofing Protection Board
- Freezers & Cold Storage

Advantages

- **Environmentally Friendly.** InsulFoam XV does not contain any blowing agents, may contain recycled material, and is 100% recyclable if ever removed or replaced.
- **Stable R-value.** The product's thermal properties will remain stable over its entire service life. There is no thermal drift, so the product is eligible for an Insulfoam 20-year thermal performance warranty.
- **Proven Performance.** EPS has been manufactured using the same chemistry since the mid-1950s, providing proven performance.
- **Water Resistance.** InsulFoam XV does not readily absorb moisture from the environment.
- **Code Approvals.** Insulfoam insulations are recognized by the International Code Council Evaluation Service (ICC-ES), and have numerous Underwriters Laboratory and Factory Mutual Approvals. Please contact your local Insulfoam representative for details. International Code Council Evaluation Service (ICC-ES), and have numerous Underwriters Laboratory and Factory Mutual Approvals. Please contact your local Insulfoam representative for details.



Sizes

InsulFoam XV is available in 4' x 4' and 4' x 8' standard sizes with thickness from ¼" to 40", and is readily available in custom lengths and widths with little to no impact on lead time. It is also available in tapered panels, with thickness from 0 (1/8" actual) to 40", and in any slope per foot.

Typical Physical Properties

| Property | Test Method | Value |
|--|-------------|---------|
| Density (nom. pcf) | ASTM C303 | 3.0 |
| C-Value (Conductance) - per inch BTU/(hr•ft ² •°F) | ASTM C518 | 0.196 |
| | or | 0.198 |
| | ASTM C177 | 0.217 |
| R-value (Resistance) - per inch (hr•ft ² •°F)/BTU | ASTM C518 | 5.10 |
| | or | 5.05 |
| | ASTM C177 | 4.60 |
| Compressive Strength (psi, 10% deformation) | ASTM D1621 | 60 |
| Flexural Strength (min. psi) | ASTM C203 | 75 |
| Dimensional Stability (maximum %) | ASTM D2126 | 2.0 |
| Water Vapor Permeance (max. perm., 1 inch) | ASTM E96 | 2.5 |
| Water Absorption (max. % vol.) | ASTM C272 | 2.0 |
| Capillarity | — | none |
| Flame Spread | ASTM E84 | < 20 |
| Smoke Developed | ASTM E84 | 150-300 |

*Properties are based on data provided by resin manufacturers, independent test agencies and Insulfoam.

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SLICKER[®] CLASSIC

THE ORIGINAL ROLLED RAINSCREEN

The unique, vertically-channeled, three dimensional matrix of Slicker[®] Classic provides a continuous space for drainage and drying, a thermal break and pressure equalization - eliminating the treat of trapped moisture. Slicker 10 Classic is designed to meet the 10mm code requirements in Canada.

THICKNESS (SIZE OF GAP)

.25 in (6 mm) / .40 in (10 mm)

LENGTH PER ROLL

46.5 ft (14.17 m) / 38.5 ft (11.74 m)

COVERAGE PER ROLL

150 sq ft / 125 sq ft

WIDTH PER ROLL

39.37 in (1 m)

MAX. UV EXPOSURE

30 days

COMPOSITION

Nylon

Allows moisture to escape quickly before it damages the sidewall materials

Reduces the chances of premature peeling or blistering of finishes

Prevents damage from surfactants by separating the cladding from the water resistive barrier

Saves time and labor costs by eliminating the need for furring strips

Protects the wall assembly from the deteriorating effects of mold and rot



ARCHITECTURAL SYSTEM FOR COMMERCIAL AND RESIDENTIAL

1" AND 1-1/2" ARCHITECTURAL MECHANICALLY SEAMED PANEL SYSTEM

The Englert Series 1300/1301 systems are designed for sloped roofs and other exterior surfaces of light commercial or residential projects. Both profiles use concealed clips and fasteners and both must be mechanically seamed to qualify for Englert's weather tightness warranty.

SYSTEM APPLICATIONS

- Light duty for residential and commercial use
 - 1/2"/12" minimum slope
 - Must be installed over a solid deck
- (For all applications 3"/12" slope and under, manufacturer recommends the use of MetalMan HT Underlayment)

SUBSTRATES

- 26 and 24 gauge steel
- .032" aluminum
- 16 oz. copper
- .7 and .8 mm zinc (RheinZink)



FINISHES

Englert's Series 1300/1301 system is available in a wide variety of coatings and colors. See the Englert color card for our full range of standard colors and paint system specifications.

Englert can match the color of virtually any material – including brick, wood and fabric – with short lead times as needed. Custom colors are available in quantities as low as 5,000 lbs. on steel or aluminum.

SYSTEM WARRANTIES

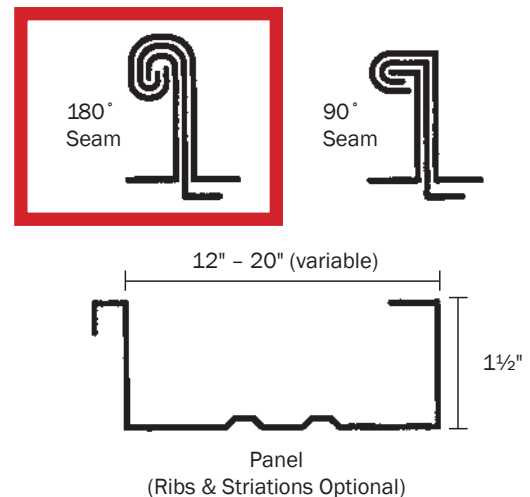
- Galvalume Plus® – 25 year steel warranty on acrylic coated Galvalume®
- Perma-color 3500 – 35 year steel or aluminum warranty on ULTRA-Cool™/low-gloss Kynar 500® coatings
- Perma-Metallic 2000 – 20 year steel or aluminum warranty on Kynar 500® coating
- Siliconized Modified Polyester – 15-year steel or aluminum coating warranty

RATINGS AND CERTIFICATIONS (1300 Only)

- UL-90 rated over 1/2" plywood at 16" wide with clips at 48" o.c. (24 ga. steel)
- ASTM E-1646 water penetration tested
- ASTM E-1680 air infiltration tested
- ASTM E-1592 uplift tested
- ASTM E-84 Class A fire rating on coating and substrate (24 ga. steel)
- Florida Building Code product approval listed
- Metro-Dade County certified



Series 1300 1-1/2" Mechanically Seamed Series 1301 1" Mechanically Seamed



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Galvalume® and Galvalume Plus® are registered trademarks of BIEC International, Inc.
ULTRA-Cool™ is a trademark of BASF.

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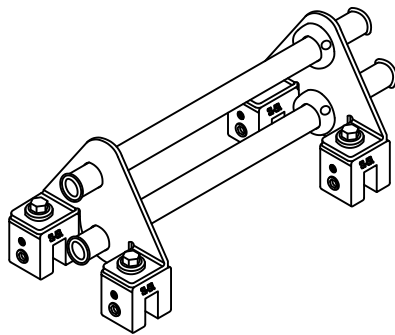
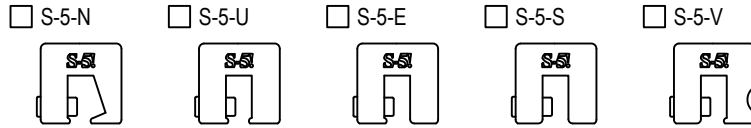
ROADSIDE 2.0
PROJECT MANUAL



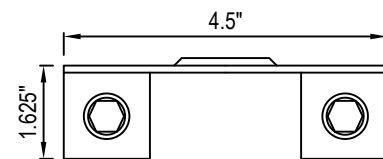
Rocky Mountain Snow Guards Inc

ROCKY MOUNTAIN SNOW GUARDS
 4231 S. NATCHES COURT, UNIT C
 ENGLEWOOD, CO 80110
 PHONE: (877) 414-7606
 FAX: (720) 387-8361
 www.rockymountainsnowguards.com

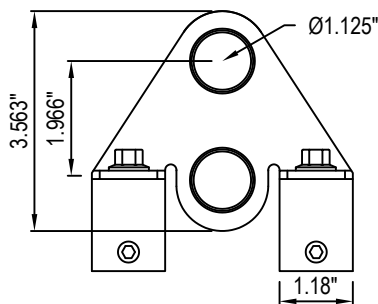
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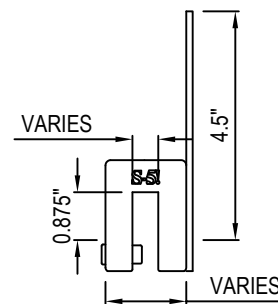
ISOMETRIC VIEW



TOP VIEW



FRONT VIEW



SIDE VIEW

SPECIFICATIONS

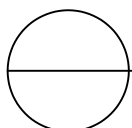
MATERIAL: ALUMINUM WITH STAINLESS STEEL HARDWARE.

MANUFACTURER NOTES:

1. CONTACT MANUFACTURER FOR SELECTED LAYOUT.
2. FOR CUSTOM MATERIALS CONTACT MANUFACTURER.
3. OTHER SIZES ARE AVAILABLE ON A CUSTOM BASIS.

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 5281-031



SNOW FENCE BRACKETS

BLIZZARD II 2-PIPE CLAMP-TO-SEAM SNOW FENCE BRACKET

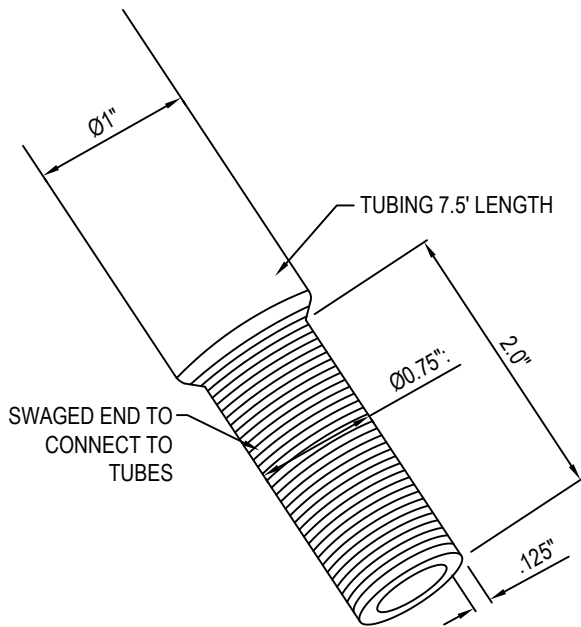


Rocky Mountain Snow Guards Inc

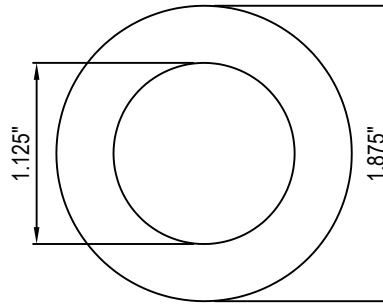
ROCKY MOUNTAIN SNOW GUARDS
4231 S. NATCHES COURT, UNIT C
ENGLEWOOD, CO 80110
PHONE: (877) 414-7606
FAX: (720) 387-8361
www.rockymountainsnowguards.com

SELECT DESIRED MATERIAL:

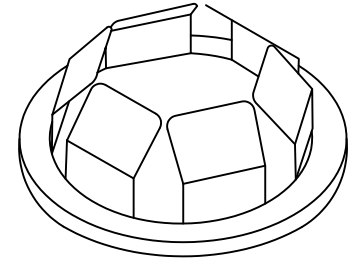
- ALUMINUM
- POWDER COATED ALUMINUM



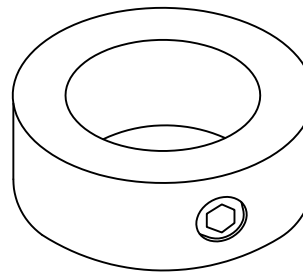
PERSPECTIVE



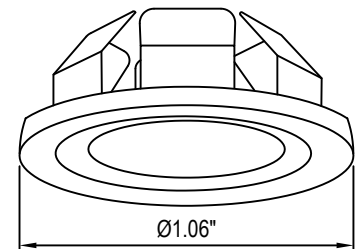
TOP VIEW
END COLLAR



TOP PERSPECTIVE
END CAP



PERSPECTIVE
END COLLAR



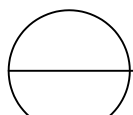
BOTTOM PERSPECTIVE
END CAP

MANUFACTURER NOTES:

1. CONTACT MANUFACTURER FOR SELECTED LAYOUT.
2. FOR CUSTOM MATERIALS CONTACT MANUFACTURER.
3. OTHER SIZES ARE AVAILABLE ON A CUSTOM BASIS.

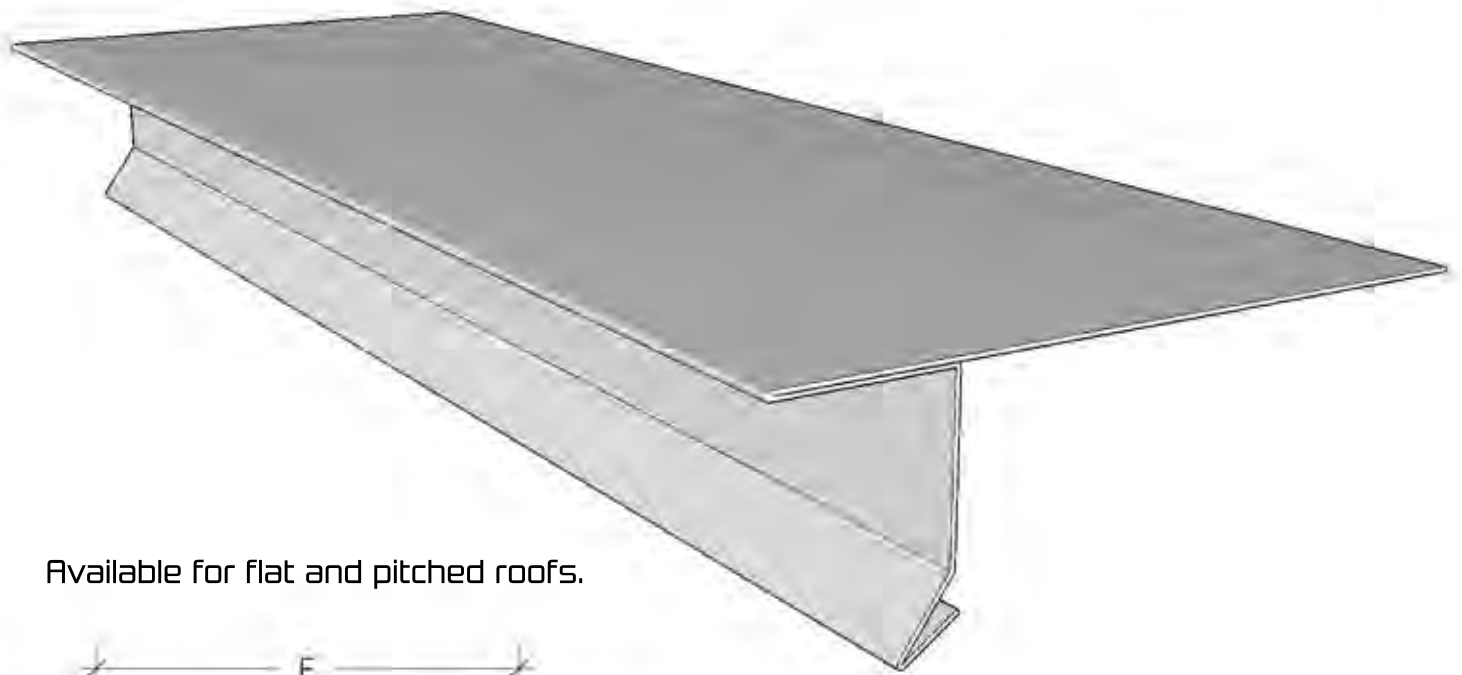
NOTES:

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2. DO NOT SCALE DRAWING.
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5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 5281-005

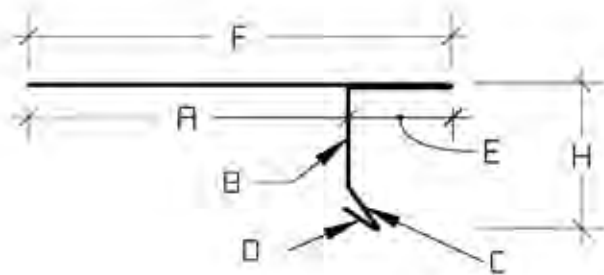


ALUMINUM SNOW FENCE SYSTEM COMPONENTS

ALUMINUM TUBING, COLLAR AND CAP



Available for flat and pitched roofs.



Available in 0.027" aluminum, Kynar 0.032" aluminum and 24 gauge steel, 24 gauge galvalume, copper, freedom gray, lead coated copper and 24 gauge stainless steel.

Copper, Freedom Gray and Lead Coated Copper

| (H) Size | A | B | C | D | E | F | Stock |
|----------|--------|------|------|--------|----|--------|-------|
| 1.5" | 2.125" | 1" | 0.5" | 0.375" | 1" | 3.125" | 6" |
| 2" | 2.825" | 1.5" | 0.5" | 0.375" | 1" | 3.825" | 7.2" |

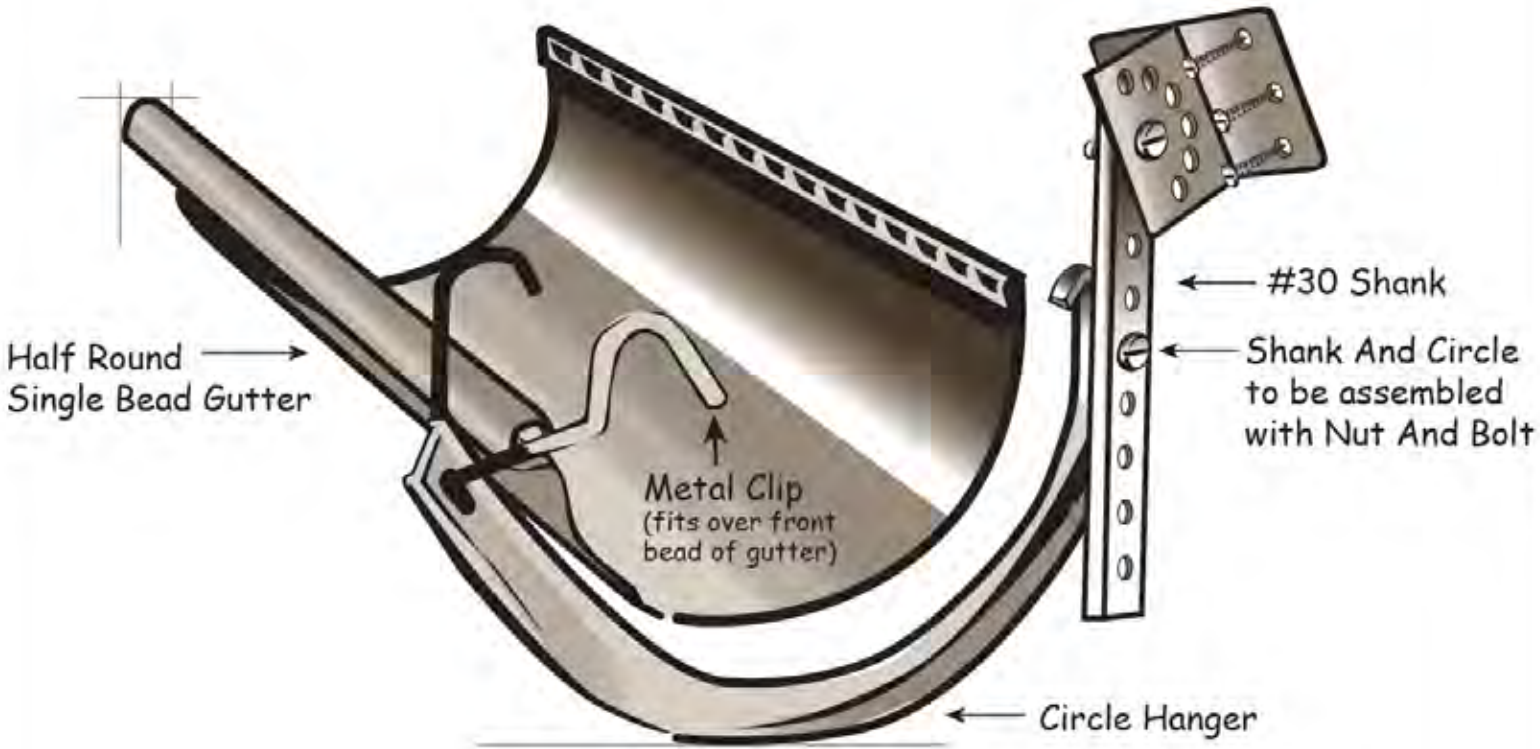
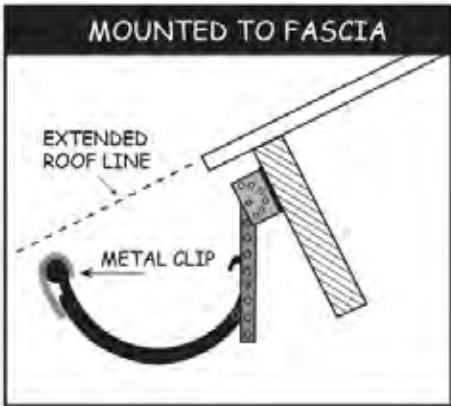
Aluminum, Steel, Galvalume and Stainless Steel

| (H) Size | A | B | C | D | E | F | Stock |
|----------|--------|------|------|--------|----|--------|-------|
| 1.5" | 2.125" | 1" | 0.5" | 0.375" | 1" | 3.125" | 6" |
| 2" | 3.625" | 1.5" | 0.5" | 0.375" | 1" | 4.625" | 8" * |

2" drip edge in 0.027" aluminum has a stock size of 7.5". (A) and (F) are 0.5" shorter than dimensions provided at 3.125" and 4.125".

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#30 Shank
Adjustable Pitch Rafters & Fascia

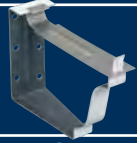

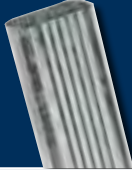

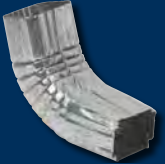
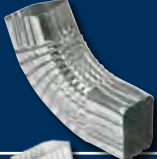



Only one hole on shank and circle will line up for nut and bolt. The flange on the circle hanger will act as a guide to stabilize the two parts together. Position nuts and bolts in lower holes of shanks to provide proper pitch in gutter.

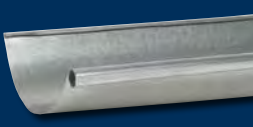
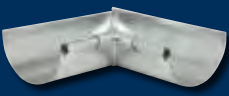
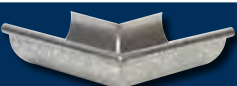
* Diagram Above For Installation Information Only. Specification may vary.

K Style Galvanized Gutter

See page A1 in the Appendix for "Gutter Facts You Should Know Before Purchasing Your Roof Drainage Systems"






| | Description | Carton Qty | White 30° | Brown | Unpainted |
|---|---|----------------------------|-------------------------------|-----------------------------|---|
|  | Snap Lok Bracket (Call for information on top bars, snap straps, and cross bars) 5" Bulk - Galvanized | 50 | 33022 | 3302219 | 29022 |
| | See pages 19-22 for more hanger choices. | | | | |
|  | Fascia Bracket, 4/pack 5" - Galvanized 4" - Galvanized | 12 pks 12 pks | 33020PK 19020 | 3302019PK 1902019 | 29020PK 15020 |
| | See pages 19-22 for more hanger choices. | | | | |
|  | Downspout 10' Square Corrugated 2" x 2" 26 ga. 2" x 3" 32 ga. 2" x 3" 30 ga. 3" x 4" 30 ga. | 10 10 10 10 | - 32014 - | - 3201419 - | DSSCP262 28014 28017 48014 |
| | Downspout Extension 15" 2"x3" 32 ga. | 24 | 33075 | 3307519 | - |
|  | Downspout Band • Fits 2" x 3" and 3" x 4" downspouts | 200 100 | 33229 - | 3322919 - | - 29029 |
|  | Front "A" Elbow (75 degree) Square Corrugated (Also available in 90, 60, 45 & 30 degrees) 2" x 3" 2" x 3" 2" x 3" 3" x 4" 3" x 4" | 30 30 15 30 20 | 33064 - - - 51064 | - - 3326419 - - | - SA63P3 29264 SA63P4 49064 |
|  | Side "B" Elbow (75 degree) Square Corrugated (Also available in 90, 60, 45 & 30 degrees) 2" x 3" 2" x 3" 2" x 3" 3" x 4" 3" x 4" | 30 30 15 20 30 | 33065 - - 51065 - | - - 3326519 - - | - SB63P3 29265 49065 SB63P4 |
|  | Vinyl Transition Elbow • Transitions from "A" style to "B" style • Can be used with metal and vinyl gutter systems. 2" x 3" 3" x 4" | 30 12 | 37064 37065 | - - | - - |

Half Round Galvanized Gutter

| | Description | Carton Qty | Unpainted |
|--|---------------------------------------|------------|------------------|
|  | 5" Single Bead **10' 26 ga. | 5 | L10265 |
| | 6" Single Bead **10' 26 ga. | 10 | L10266BX |
|  | Miter, Inside 5" 6" | 20 20 | LIS265 LIS266 |
|  | Miter, Outside 5" 6" | 20 20 | LOS265 LOS266 |

Hangers - Half Round

See page A3 in the Appendix for information on popular hanger choices.

| | Description | Carton Qty | High Gloss White 80° | Royal Brown | Unpainted | Copper |
|---|---|------------|----------------------|-------------|-----------|--------|
|  | #10 Combination Circle & Shank w/Spring Clip | | | | | |
| | 5" - Aluminum | 50 | CBCHG5 | CBCBA5 | - | - |
| | 6" - Aluminum | 50 | CBCHG6 | CBCBA6 | - | - |
| | 5" - Galvanized | 50 | - | - | CCS105 | - |
| | 6" - Galvanized | 50 | - | - | CCS106 | - |
| | 5" - Copper | 50 | - | - | - | CCC105 |
|  | #10 Circle w/Spring Clip, Nut, & Bolt | | | | | |
| | 5" - Aluminum | 50 | CIRHG5 | CIRBA5 | - | - |
| | 6" - Aluminum | 50 | CIRHG6 | CIRBA6 | - | - |
| | 5" - Galvanized | 50 | - | - | CIRGL5 | - |
| | 6" - Galvanized | 50 | - | - | CIRGL6 | - |
| | 5" - Copper | 50 | - | - | - | CIRCP5 |
|  | Spring Clip for #10 Combination Hanger | | | | | |
| | One Size - Aluminum | 50 | SPCLWA | SPCLBA | - | - |
| | One Size - Galvanized | 50 | - | - | SPCLGL | - |
|  | Rival Strap Hanger | | | | | |
| | 5" - Aluminum | 50 | RIVHG5 | RIVBA5 | - | - |
| | 6" - Aluminum | 50 | RIVHG6 | RIVBA6 | - | - |
| | 5" - Galvanized | 50 | - | - | RIVGL5 | - |
| | 6" - Galvanized | 50 | - | - | RIVGL6 | - |
| | 5" - Copper | 50 | - | - | - | RIVCP5 |
|  | Regal Bar Hanger | | | | | |
| | 5" - Mill Finished Aluminum | 50 | - | - | REGMF5 | - |
| | 6" - Mill Finished Aluminum | 50 | - | - | REGMF6 | - |
| | 5" - Galvanized | 50 | - | - | REGGL5 | - |
| | 6" - Galvanized | 50 | - | - | REGGL6 | - |
| | 5" - Copper | 50 | - | - | - | REGCP5 |
| 6" - Copper | 50 | - | - | - | REGCP6 | |

Roof Drainage Systems



Colors shown are for reference only.

Shanks - K Style & Half Round

| | Description | Carton Qty | High Gloss White 80° | Royal Brown | Unpainted | Copper |
|--|---|------------|----------------------|-------------|-----------|--------|
| | Nut & Bolt for Shanks #10, 24 thread x 3/4" long | | | | | |
| | Galvanized | 50 | - | - | BN-S | - |
| | Brass | 50 | - | - | BN-CP | - |
| | Shank Plate for Fascia | | | | | |
| | #1 - Aluminum | 50 | SHHG-1 | SHBA-1 | SHMF-1 | - |
| | #1 - Galvanized | 50 | - | - | SHCS-1 | SHCP-1 |
| | #1 - Copper | 50 | - | - | - | SHCP-1 |
| | Shank for Ogee or Crown Moulding | | | | | |
| | #6 - Aluminum | 50 | SHHG-6 | SHBA-6 | - | - |
| | #6 - Galvanized | 50 | SHWS-6 | SHBS-6 | - | - |
| | #6 - Copper | 50 | - | - | - | SHCP-6 |
| | Shank for Cornice | | | | | |
| | #8 - Mill Finish Aluminum | 50 | - | - | SH-CM8 | - |
| | Shank for Fascia | | | | | |
| | #10 - Galvanized | 50 | SHWS10 | SHBS10 | SHCS10 | - |
| | #10 - Copper | 50 | - | - | - | SHCP10 |
| | Shank for Nailing to Exposed Rafter | | | | | |
| | #11 - Aluminum | 50 | SHHG11 | SHBA11 | SHCS11 | - |
| | #11 - Copper | 50 | - | - | - | SHCP11 |
| | Shank for Nailing to Sheeting | | | | | |
| | #12 - Aluminum | 50 | SHHG12 | SHBA12 | SHMF12 | - |
| | #12 - Galvanized | 50 | SHWS12 | SHBS12 | SHCS12 | - |
| | #12 - Copper | 50 | - | - | - | SHCP12 |
| | #25 - Copper | 50 | - | - | - | SHCP25 |
| | Shank for Adjustable Pitch Rafters | | | | | |
| | #20 - Aluminum | 50 | SHHG20 | SHBA20 | - | - |
| | #30 - Galvanized | 50 | - | - | SHCS30 | - |
| | #30 - Copper | 50 | - | - | - | SHCP30 |
| | Shank Extension | | | | | |
| | Aluminum | 50 | SHHGEX | SHBAEX | - | - |
| | Copper | 50 | - | - | - | SHCPEX |

Strainers

| | Description | Carton Qty | Unpainted | Copper |
|--|----------------------------------|------------|-----------|--------|
| | Wire Strainers, Round | | | |
| | 2" - Galvanized | 50 | RWSGL2 | - |
| | 3" - Galvanized | 50 | RWSGL3 | - |
| | 4" - Galvanized | 50 | RWSGL4 | - |
| | 2" - Aluminum | 50 | RWSMF2 | - |
| | 3" - Aluminum | 50 | RWSMF3 | - |
| | 4" - Aluminum | 50 | RWSMF4 | - |
| | 2" - Copper | 50 | - | RWSCP2 |
| | 3" - Copper | 50 | - | RWSCP3 |
| | 4" - Copper | 50 | - | RWSCP4 |
| | 6" - Copper | 50 | - | RWSCP6 |
| | Leaf Strainer- Expandable | | | |
| | 3" - Aluminum | 48 | 21048 | - |
| | 3" - Aluminum | 18 | 21059 | - |
| | 4" - Aluminum | 24 | 21248 | - |
| | 3" - Galvanized | 18 | 29059 | - |
| | 3" - Galvanized | 48 | 29348 | - |
| | 4" - Galvanized | 48 | 29448 | - |
| | Strainer | | | |
| | Plastic | 24 | 85059 | - |



The Right Angle for your Fabrication





ARCHITECTURAL GLAZING SYSTEMS, INC.

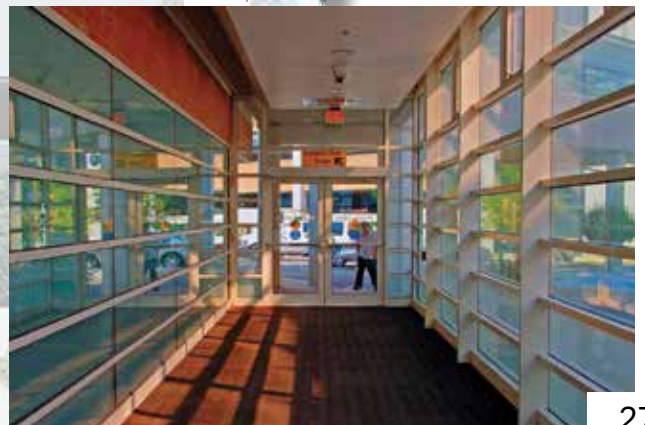
Whether your need is for a simple fabricated entrance package or complicated sloped wall, Architectural Glazing Systems, Inc. can provide the fabrication services you require. Founded in the spring of 1992, "AGS" has been assisting companies since then with quality custom fabrication for a variety of projects in both new construction and retrofit of existing buildings. Our abilities run from custom entrances and projected window systems to curtainwall and even fabrication of your own material.

At Architectural Glazing Systems, our fabrication abilities are unique. We are extremely conscientious of the entire project and are expert at problem solving.

AGS will fabricate from any specified materials, or we can supply materials to meet your needs. We manufacture all product lines at our new Avon facility where strict adherence to proper manufacturing guidelines allow us to provide the finest quality products and services to our customers.



We're the Leaders in Custom Fabrication





We work closely with you to ensure that your job runs smoothly and appreciate your needs in the field. When assembling your project, we fabricate metal into modular units so that on-site, the final construction of these units is relatively easy. In this way, AGS can help you save time and money!

Architectural Glazing Systems remains a proud entrepreneurial company with deeply rooted traditions of quality and service. The principals at AGS have many years of experience in metal fabrication, and are aware of the latest developments in technology. With AGS you will deal with concerned, hands-on, conscientious individuals at all times.

Our modern headquarters and fabrication facilities are conveniently located in Avon, Massachusetts where we are able to quickly ship finished, ready to erect, sections to the entire New England area and beyond!

Call us today to discover how we can assist you in making your next job a smooth and profitable experience.

**“We Don’t Just Develop Building Solutions,
We Support You Throughout The Process.”**

Joe Belanger, President





AGS has become a leader in custom fabrication for large or small projects. Our customers have learned that AGS fabricating service results in successful completion of the project for six key reasons.

1. Fabrication Technology

Our fabrication tools are entirely new, state-of-the-art equipment and our in-house craftsmen are the finest in the business. We welcome visitors so you can see for yourself our contemporary equipment and unique capabilities.



2. On Time Delivery

We work with you to assess your needs and give you more control on delivery stages.

3. Last Minute Changes

We give you the opportunity to make last minute changes without effecting the quality of our fabrication. We check every detail from specified colors to accurate mortising because your project is important to us!

4. Modular Construction

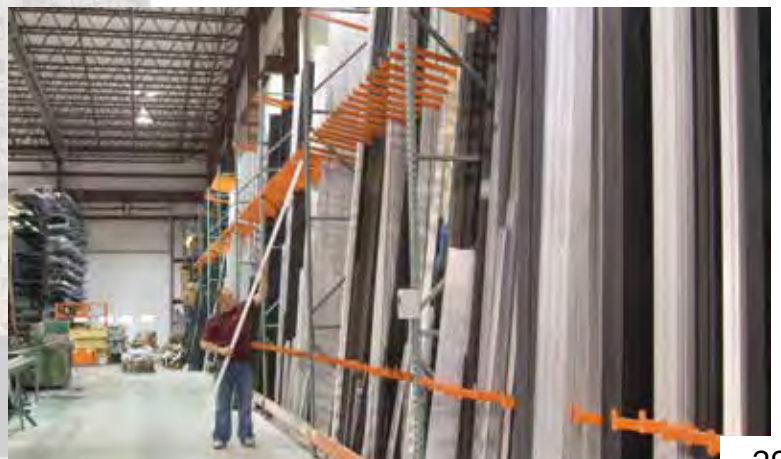
On site assembly is made easier and faster for you by fabricating your project into modular sections. Our entrance packages are pre-hung, require no assembly and are ready to install. Likewise, window units can be supplied pre-glazed for faster installation.



ROADSIDE 2.0
PROJECT MANUAL



We carry a variety of colors and shapes in house but will also fabricate from your materials, or order the exact color and shape you require.





5. Damage Controls

Careful attention to packaging and modular fabrication assures your project will arrive damage-free when delivered by our fleet.

6. Delays Minimized

We work with you to minimize delays. AGS is large enough to handle most fabrication needs in our modern shop, but small enough to give each of our customers the kind of quality service and respect they deserve.



The Right Angle
For Your Fabrication

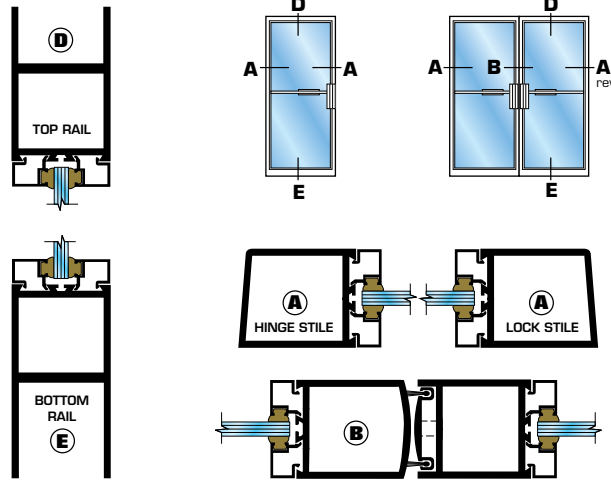
The Basic Three

NARROW STILE Super Strength Series N Door

When you want an inviting entrance with a light open look, specify AGS's Narrow Stile Door. Its attractive slim appearance is backed by AGS's special triple-reinforced welded construction and will give you consistent trouble-free operation in heavy or light traffic areas under all weather conditions.

AGS's Narrow Stile Door is well-suited to meet the demands of any custom hardware installation, or if you prefer, you may also consider the addition of custom colors to create a truly unique entrance.

As with all AGS doors, the Series N door corners are constructed with a heavy duty reinforcing anchor block which is interlocked, bolted and then welded with a 100% deep penetration weld.

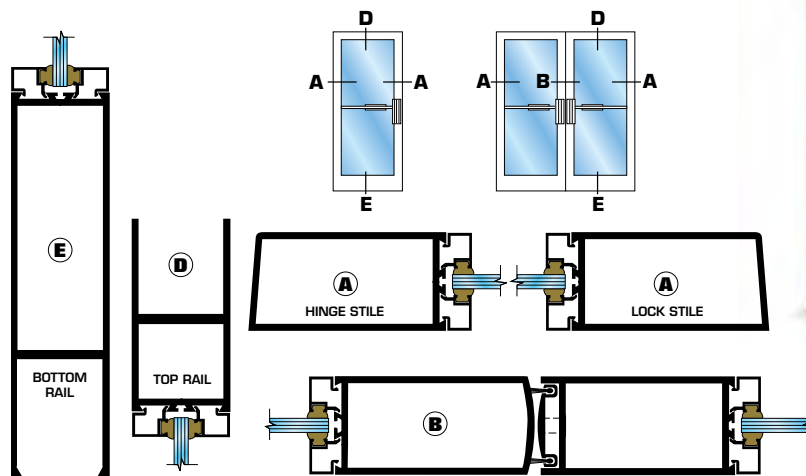


3-1/2" MEDIUM STILE Super Strength Series M Door

AGS's Medium Stile Door, Series M, is the right answer when extra strength is needed to handle the heavy traffic generated by supermarkets, schools, and other high population installations.

The Series M door features a 6-13/16" bottom rail. As with all AGS doors, the Series M door corners are constructed with a heavy duty reinforcing anchor block which is interlocked, bolted and then welded with a 100% deep penetration weld. The sturdy construction and wall thickness make this door an ideal choice for center hung hardware operation.

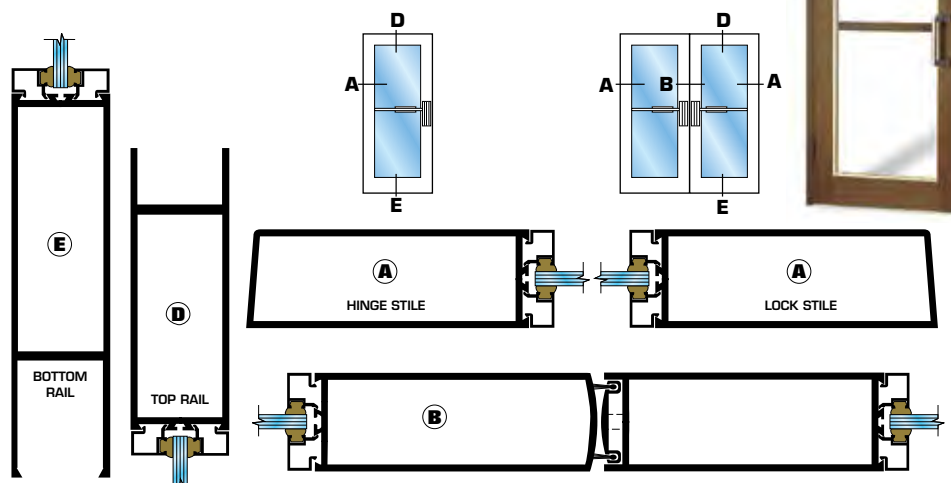
Thick door pile is used on all AGS doors as required for an effective thermal barrier. This is one of the many features that make the AGS door superior for operation under all weather conditions.



5" WIDE STILE Super Strength Series W Door

AGS's Wide Stile Series W Door has the design and construction capabilities to handle the most severe traffic conditions that can be imposed on any entrance door. This entrance complements strong, monumental style buildings. If a lighter appearance is desired in a door, but traffic patterns call for this wide, sturdy door, it is possible to create the illusion of lightness through appropriate color application. Call us for recommendations. We are always happy to assist you with appropriate selections for your specific project.

The corners in the Series W door have the same outstanding construction features as AGS's narrow and medium stile doors. In addition, all AGS doors feature an adjustable nosing that can be moved in or expanded out to permit ease of installation.



THE MARVIN PORTFOLIO



ULTIMATE

Most extensive selection of features, options, and product types



MODERN

Design flexibility in a purely modern aesthetic available exclusively at Marvin Modern dealers

MARVIN SIGNATURE® COLLECTION

INTERIORS

WOOD

6 species options + custom
2 painted or primed options
6 stains + clear coat

EXTRUDED ALUMINUM

5 color options

EXTERIORS

EXTRUDED ALUMINUM

19 colors + custom

OR

WOOD

3 species + custom

FIBERGLASS

5 color options

SIZING

Standard + custom sizing for replacement, remodeling, or new construction

Custom sizing for remodeling or new construction

HARDWARE

Extensive selection including Marvin Gallery Hardware

Minimalist hardware for modern design aesthetic

COASTAL +
WATERFRONT

Hurricane Impact Zones 3 and 4,
+ PG 50 Products

ROADSIDE 2.0
PROJECT MANUAL

The Marvin portfolio consists of five product lines organized into three distinct collections defined by the degree of design detail and customization opportunities.

Marvin windows and doors offer exceptional performance, energy efficiency, low maintenance, and quality you can see, feel, and touch to help bring your vision to life.



COASTLINE
 Custom windows and doors for high velocity hurricane zones in the coastal Southeast

ELEVATE
 Wide range of options and product types

ESSENTIAL
 Curated options and product types

MARVIN ELEVATE® COLLECTION

MARVIN ESSENTIAL™ COLLECTION

EXTRUDED ALUMINUM
 6 solid colors, 4 woodgrain finishes

WOOD
 Bare pine, painted Designer Black, painted White, or clear coat

FIBERGLASS
 3 color options

EXTRUDED ALUMINUM
 6 solid colors, 4 woodgrain finishes

FIBERGLASS
 5 color options

FIBERGLASS
 5 color options

Custom sizing for replacement, remodeling, or new construction

Standard + custom sizing for replacement, remodeling, or new construction

Standard + custom sizing for replacement, remodeling, or new construction

Available in multiple styles, sizes, and finishes to complement the window + door aesthetics

Available in 6 finish options with 2 door handle styles

Available in 6 finish options with 1 door handle style

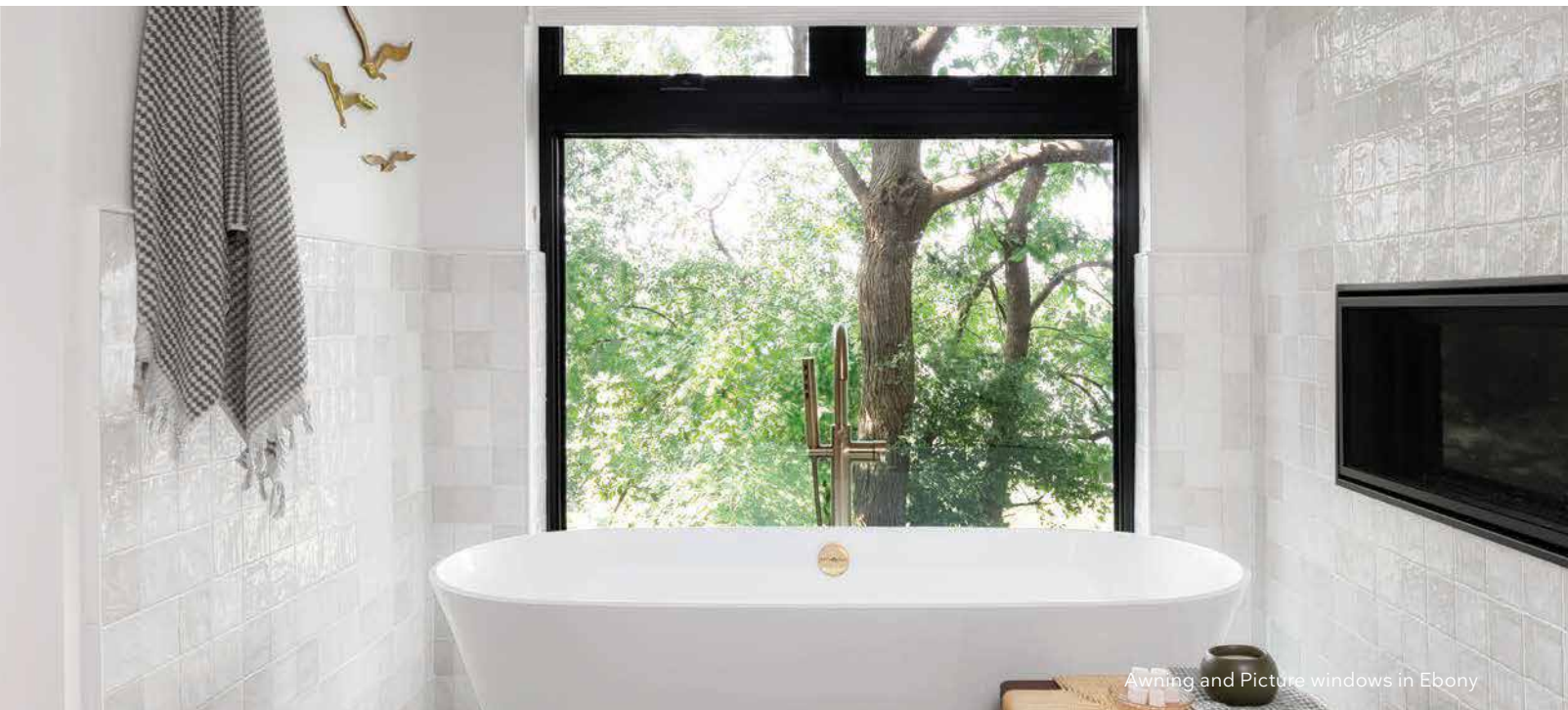
All products rated for High Velocity
ROADSIDE 2.0
PROJECT MANUAL

Hurricane Impact Zone 3,
 + PG 50 Products

CASEMENT + AWNING



Casement windows in Ebony with Matte Black hardware



CASEMENT + AWNING

- Multi-point sequential locking system provides superior PG40 performance rating with single lever operation.
- Stationary, operating, Transom, and Picture units available.
- Folding handle provides easy operation and neatly stows out of the way of window treatments and blinds.
- Casement available in standard and special sizes up to 3 feet wide by 6 feet high.
- Awning available in standard and special sizes up to 4 feet wide by 3 feet high.
- Coordinating Picture and Transom windows available up to 6 feet wide by 6 feet high.
- Features an easy to remove screen with concealed fasteners.
- Crank out operation.



CASEMENT INTERIOR



AWNING INTERIOR



FOLDING HANDLE SHOWN IN OIL RUBBED BRONZE

INSTALLATION MADE SIMPLE AND EFFICIENT

Marvin Essential windows and doors bring together design, quality, and performance in one streamlined collection. Essential products offer a number of installation options and accessories that make it easy to meet project demands.



NAILING FIN
Snaps out for easy installation.



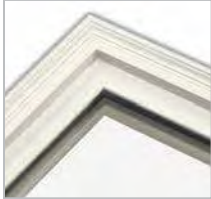
CASEMENT/AWNING 3" SASH LIMITER
Permanently limits sash movement for safety and security.



JAMB EXTENSION
Allows for easy finishing with traditional molding and trim.



DOUBLE/SINGLE HUNG SASH LIMITER
Permanently limits sash movement for safety and security.



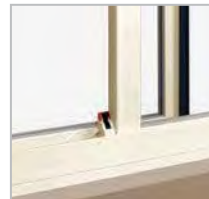
J-CHANNEL
Quickly and easily finishes the exterior.



NON-OPERABLE LOCK
Renders sash inoperable.



SHEETROCK RETURN
Accommodates 1/2"-5/8" drywall installations.



GLIDER WOC D
Limits opening to 4" while providing for full egress. ASTM F2090-10 compliant.



3/4" RECEIVER
Works with thicker installation methods, including box jambs.



CASEMENT WOC D
Limits opening to 4" while providing for full egress. ASTM F2090-10 compliant.



FRAME EXPANDER
Provides installation flexibility.



DOUBLE/SINGLE HUNG WOC D
Limits opening to 4" while providing for full egress. ASTM F2090-10 compliant.

EXTERIOR TRIM

Ultrex® Exterior Trim is offered with all rectangular Marvin Essential products in five exterior finishes. The durability, performance, and look of Essential collection windows and doors can be extended to the trim.

BRICK MOULD

2" Brick Mould is available with or without 2 1/8" sill nosing.

FLAT

3 1/2" Flat Trim is available in Flat and Flat Ranch configurations with or without 2 1/8" sill nosing.

SILL NOSE

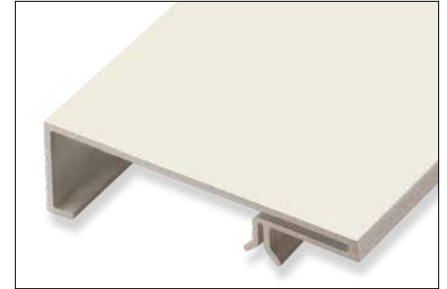
2 1/8" Sill Nose provides authentic sill appearance.

CONNECTION BARB

Barb and receiver attachment method provides for quick, secure installation.



BRICK MOULD



FLAT



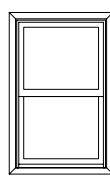
SILL NOSE



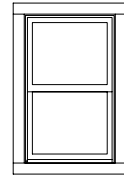
CONNECTION BARB

TRIM CONFIGURATIONS

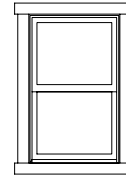
Multiple configurations are available in lineal lengths and factory pre-cut kits in all five Essential collection exterior colors.



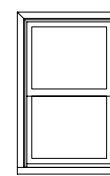
BRICK MOULD



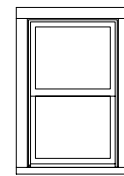
FLAT



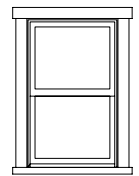
FLAT RANCH



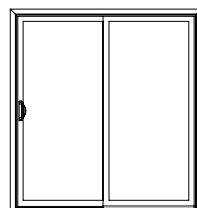
BRICK MOULD WITH SILL NOSE



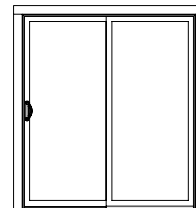
FLAT WITH SILL NOSE



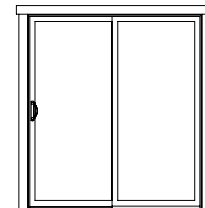
FLAT RANCH WITH SILL NOSE



BRICK MOULD*



FLAT*



FLAT RANCH*

DESIGN OPTIONS

INTERIOR AND EXTERIOR FINISHES

Essential windows and doors have a durable, strong, and fully paintable Ultrex® fiberglass interior and exterior, featuring our AAMA-verified acrylic finish for low-maintenance and superior aesthetics.

FIBERGLASS INTERIOR COLORS

STONE WHITE

Available with your choice of exterior finish colors

BRONZE

Available when paired with Bronze exterior finish

EBONY

Available when paired with Ebony exterior finish

FIBERGLASS EXTERIOR COLORS

STONE WHITE

CASHMERE

PEBBLE GRAY

BRONZE

EBONY

DIVIDED LITES

GRILLES-BETWEEN-THE-GLASS (GBG)

Available in several popular lite cut options for a classic divided lite look and easy glass cleaning. Available in Stone White, Bronze, and Ebony interior and Stone White, Cashmere, Pebble Gray, Bronze, or Ebony exterior.*

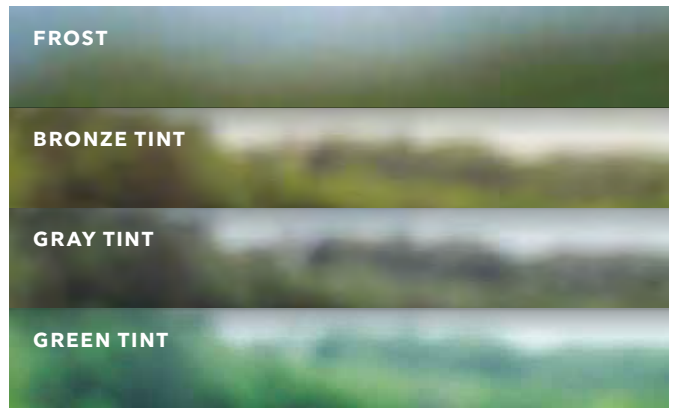
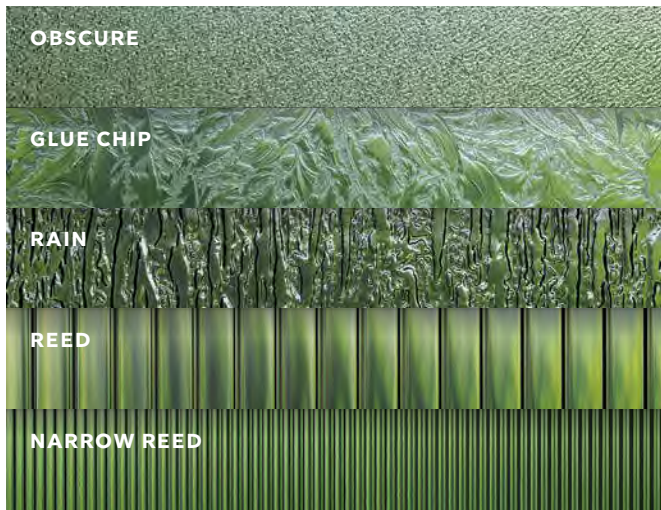


GRILLES-BETWEEN-THE-GLASS SHOWN IN STONE WHITE

GLASS OPTIONS

Available in dual-pane in Low E1, Low E2, Low E3, and Low E3/ERS insulated glass with argon gas.*
Options include glazing for sound abatement (STC/OITC), high altitudes, and California fire zones.

DECORATIVE GLASS



Casement window with E2 glass

HARDWARE STYLES

WINDOW HARDWARE

Windows feature classic low-profile, durable hardware for clean aesthetics, safety, and security.



SASH LOCK + KEEPER

Double Hung, Single Hung, and Glider



FOLDING HANDLE

Casement and Awning

DOOR HANDLE

Sliding Patio Doors feature classic profile durable hardware, a perfect blend of safety and security.



CAMBRIDGE

DOOR HANDLE OPTIONS

- Available keyed-alike option (use one key on multiple locks, with up to 3 different keys on each project).
- Choose a distinct interior and exterior handle finish that matches or complements the interior and exterior color of your door.



Essential Direct Glaze in Ebony and Ultimate Sliding Patio door in Designer Black

REFERENCE WINDOW
SCHEDULE FOR ALL FINISH
SELECTIONS

FINISHES



Double Hung window with Sash Lock and Sash Lift in Oil Rubbed Bronze

Choose from a variety of hardware finishes to complement your Essential collection windows and doors.

The Physical Vapor Deposition (PVD) process adds a layer of toughness to hardware exposed to environmental factors like direct sun and humidity. PVD finishes resist fading and discoloration, even in coastal areas. PVD has the highest grade corrosion resistant finish.

PVD finish is available on exterior door hardware in Oil Rubbed Bronze, Satin Nickel, and Brass.



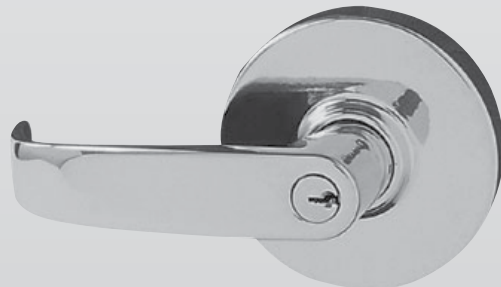
Sliding Patio door with Cambridge hardware in Matte Black

Photo: Brett Youngberg

HARDWARE SET #1

Keypad (KP) Series

Standalone Access
Control Products



Standalone Access Control Products

Keypad (KP) Series



| | |
|--|------|
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| Cylinder Options and Shipping Info | 13 |
| Architectural Specifications | 14 |

Note: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings



The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA

MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an antimicrobial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a registered trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

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On The Cover

ROADSIDE 2.0
PROJECT MANUAL sargentlock.com

Experience a safer
and more open world

Overview and Features

Keypad (KP) Series

Overview

The KP Series Keypad locks are designed for openings that require standalone, basic authorized entry capabilities. They are battery powered, motor driven, self contained locks that use a microprocessor based controller with non-volatile memory. All programming is done at the door using the keypad with functions selected by the user according to opening requirements.

Combined with the physical security of an ANSI Grade 1 mechanical locking mechanism (cylindrical, mortise or exit device), these locks provide the security and functionality needed to control access to storerooms, offices, stairwells, conference rooms and rest rooms. With the cylinder override feature, the keypad lock can be readily integrated into a new or existing master keyed system.

Features of the Keypad Operated Products

- Non-volatile memory
- All programming at keypad
- Keypad made of ultraviolet stable textured material
- Operating temperature for keypad: 4°F – 140°F
- Adjustable unlock time
- LEDs on keypad
 - Green indicates unlocked
 - Yellow indicates programming mode
 - Flashing green and solid yellow indicates deadbolt thrown
- Use on exterior doors with weatherseal gasket and shroud
- UL Listed for fire doors (12 - required for KP8800/8900 Series)
- UL Listed to Canadian safety standards
- Built-in remote “Request to Enter” requires wire harness (52-2071)
- User Codes - over 1,100,000 possible user combinations
 - 100 user codes
 - Operates utilizing any one to six digits per code - digits may be repeated or start with “0”
 - One master code - assigns emergency, supervisory and user codes, allows access during low battery
 - One emergency code - allows entry when deadbolt is thrown (KP8276/KP8277) or during low battery
 - One supervisory code - allows temporary lockout of selected users, changes unlock time duration, requests infrared interrogation output, and may add user codes
 - “One time” user codes allows visitors “one time” entry
 - Entry of three wrong user codes in succession disables all codes for ten seconds
 - Unit can be put in “passage only” mode at keypad
- Low battery indication - four chirps after code entry
- Operates with 4 “C” alkaline batteries (included)
- Typical 40,000 operations per set of batteries

10 Line Cylindrical Locks

Keypad (KP) Series

The Keypad Operated Products 10 Line Cylindrical lock is available with a wide selection of lever designs and hardware finishes. Its unique design provides uniformity when used with other SARGENT locks at a facility. The KP products offer economical, standalone access control solutions.

Mechanical Features

- Certified ANSI A156.2 Series 4000 - Grade 1
- UL listed to U.S.A. and Canadian safety standards Listed for 3 hour doors (double doors require 41 - option)
- Motor driven 10 Line cylindrical lock
- Latchbolt brass, 1/2" (13mm) throw; UL Listed 3/4" (19mm) throw (41- option) available
- 2-3/4" (70mm) backset standard. Consult factory for other backsets available
- Non handed
- Heavy duty lever spring return rose assembly
- Steel spacer bushing and extended one-piece bearing sleeves
- Steel mounting studs
- 3 through-bolt position combinations
- Key override standard
- Includes code to activate horn when keypad buttons are pushed
- Not available with 82-, F1-82, 83-, F1-83, or 84- options
- For 1-3/4" (44mm) thick doors standard

KP10G77 Entry Lock With Cylinder

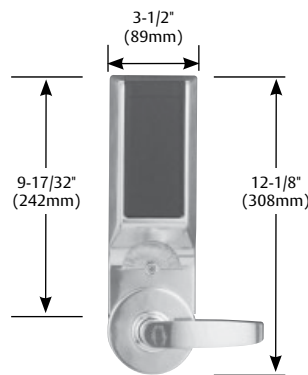
- Lever inside always retracts latchbolt
- Key outside retracts latchbolt
- Outside lever rigid except when in passage mode or valid user code entered

Cylindrical Lock Functions

| If the lock needs to have: | Then select: | | |
|------------------------------------|--------------|------|----------|
| | Series | Type | Function |
| Cylinder override standard feature | KP | 10 | G77 |

Inside Escutcheon

- Zinc die cast
- Projection at bottom 9/32" (7mm)
- Projection at top 2-1/8" (54mm)
9-17/32" (242mm) Inside Escutcheon



HARDWARE SET #1
28-KP10677-L-P-26D

Ordering KP Cylindrical Locks

| Options | Series | Type | Function | Roses | Levers | Finish | Hand |
|---------------------------|--|------|----------|---|--------|--------|--------------------|
| Select from pages 11 - 13 | Select from KP Cylindrical Lock Function chart above | | | Select rose & finish from page 7, and lever from page 8 | | | RHR, LHR, RH or LH |
| 28- | KP-10G77 | | | G | L | 03 | RH |

Note: Specify 28- for 808 ANSI Strike (Standard strike is the 2-3/4" T strike)

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8200 Series Mortise Locks

Keypad (KP) Series

The Keypad Operated Products motorized 8200 Series Mortise Lock has a clean, crisp design and is available with the SARGENT Studio Collection, Coastal Series and traditional lever designs along with a full array of finishes. The mortise locks offer economical access control solutions for stand-alone applications. The mortise locks are available with or without deadbolt and with or without cylinder override. KP Series mortise locks feature Ecoflex™ technology for improved battery life.

Mechanical Features

- Certified to ANSI/BHMA A156.13 Series 1000 Operational Grade 1 and Security Grade 1 with all standard trims
- Motor driven 8200 Series mortise lock
- Stainless steel 3/4" (19mm) projection one-piece, anti-friction reversible latch
- Stainless steel non-handed auxiliary deadlatch
- Specify hand on order. Easily field reversible without disassembling lock body
- Includes code to activate horn when keypad buttons are pushed
- Lever trim through-bolted for increased security and durability
- 1-3/4" (44mm) door standard. Consult factory for other thicknesses
- 4-3/4" (121mm) minimum stile for electrical function locks

Keypad Operated Products Mortise Lock Functions

All KP Mortise functions feature:

- Deadlatch deadlocks latchbolt
- Inside lever retracts latchbolt (and deadbolt simultaneously) at all times

Cylinder Override Function features:

- Key outside retracts latchbolt
- Cylinder override requires a #41 Cylinder (1-1/8")

Deadbolt Function features:

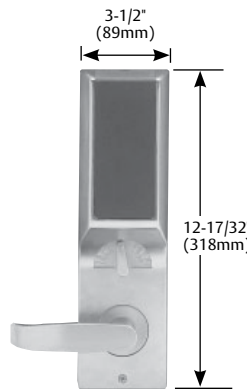
- When deadbolt thrown, outside lever operable only with Emergency or Master code
- 1" hardened stainless steel deadbolt
- Thumbturn retracts and projects deadbolt

Mortise Lock Functions

| | Then select: | | |
|--------------------------------------|--------------|------|----------|
| If the lock needs to have: | Series | Type | Function |
| Cylinder override and deadbolt | KP | 82 | 76 |
| Cylinder override and no deadbolt | KP | 82 | 78 |
| Deadbolt and no cylinder override | KP | 82 | 77 |
| No deadbolt and no cylinder override | KP | 82 | 79 |

Inside Escutcheon

- Zinc die cast
- Projection at bottom 9/32" (7mm)
- Projection at top 2-1/8" (54mm)



Ordering KP Mortise Locks

| Options | Series | Type | Function | Roses | Levers | Finish | Hand |
|---------------------------|--|------|----------|---|--------|--------|--------------------|
| Select from pages 11 - 13 | Select from KP Mortise Lock Function chart above | | | Select rose from page 7, lever from Pages 8 - 9, and finish from page 7 | | | RHR, LHR, RH or LH |
| 3-10- | KP-8276 | | | LN | MX | 26D | RH |

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80 Series Exit Devices

Keypad (KP) Series

The Keypad Operated Products 80 Series Exit Devices provide economical access control in many different environments.

Mechanical Features:

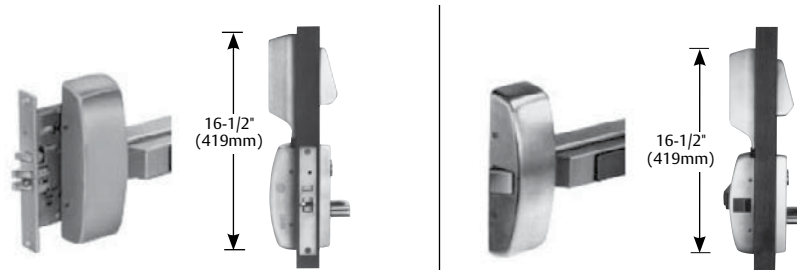
- Certified to ANSI A156.3 Grade 1 requirements
- Latchbolt 3/4" (19mm) projection
- Cylinder override use 34 rim cylinder, 8877; 46 mortise cylinder, 8977
- 8977 not available with 70-, 72-, 73-, 73-7P-, SC- or SE- options
- Includes code to activate horn when keypad buttons are pushed
- Center Case Chassis – non ferrous alloy (except 12-KP8877 & 12-KP8878)
- KP Rim Devices use 649 strike and KP Mortise Lock Devices use C908 strike
- Rim exit devices are non handed; mortise exits are handed

All KP Exit Devices feature:

- Push Rail always retracts latchbolt allowing free egress
- Lever outside active in "passage" mode or with valid user code

Rail Sizes:

- E Rail - 24" to 32" Doors
- F Rail - 33" to 36" Doors
- J Rail - 37" to 42" Doors
- G Rail - 43' to 48" Doors

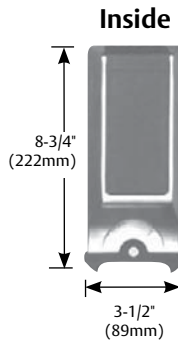


Exit Device Functions

| | Mortise Exit | | | Rim Exit | | |
|----------------------------|--------------|------|----------|--------------|------|----------|
| | Then select: | | | Then select: | | |
| If the lock needs to have: | Series | Type | Function | Series | Type | Function |
| Cylinder override | KP | 89 | 77 | KP | 88 | 77 |
| No cylinder override | KP | 89 | 78 | KP | 88 | 78 |

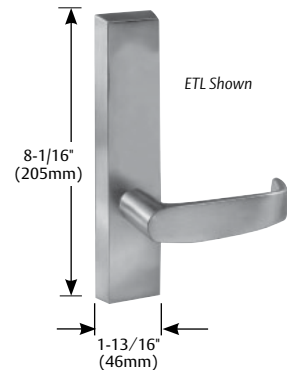
Escutcheon

- Zinc die cast
- Fits above the center chassis cover
- Projection at top 2-1/8" (54mm)



Outside ET Lever Control

- Cast escutcheon
- KP8877 uses 777-8 ET control
KP8878 uses 778-8 ET control
- KP8977 uses 777 ET control
KP8978 uses 778 ET control



Ordering KP Exit Devices

| Options | Series | Type | Function | Rail | Trim / Lever | Hand | Finish | Door Width |
|---------------------------|---|------|----------|------|---|------------|---------------------|--|
| Select from pages 11 - 13 | Select Device Type, Function & Rail Size from chart above | | | | ET followed by lever designation from page 8 - 10 | RHR or LHR | Select from pages 7 | If supplied, rails will be cut to size |
| 12- | KP-8877F | | | | ETL | RHR | 32D | 36" |

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Finishes, ET Trim and Handing

Keypad (KP) Series

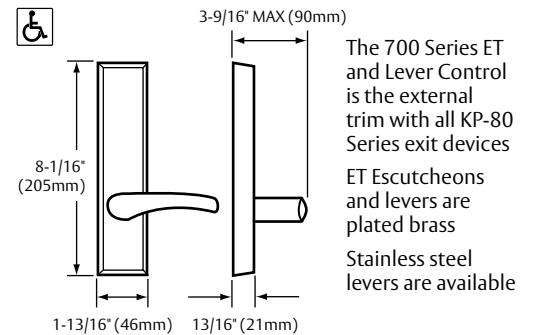
Finishes

SARGENT offers many different finishes for KP products. Please reference the chart below for finishes available.

| | Finishes | ANSI | Mortise Locks | Cylindrical Locks | Exit Devices |
|------|---|------|---------------|-------------------|--------------|
| 03 | Bright brass | 605 | X | X | X |
| 04 | Satin brass | 606 | X | X | X |
| 09 | Bright bronze | 611 | X | X | X |
| 10 | Satin bronze, clear powder | 612 | X | X | X |
| 10B | Oxidized satin bronze oil rubbed | 613 | X | X | X |
| 10BE | Dark Oxidized Satin Bronze — equivalent | 613E | X | X | X |
| 10BL | Oxidized satin bronze, clear power coat | – | X | X | X |
| 14‡ | Bright nickel, clear coated | 618 | X | X | X |
| 15‡ | Satin nickel, clear coated | 619 | X | X | X |
| 20D | Dark statuary bronze, clear powder coat | – | X | X | X |
| 26‡ | Bright chrome | 625 | X | X | X |
| 26D‡ | Satin chrome | 626 | X | X | X |
| 32 | Bright stainless steel | 629 | X | – | X |
| 32D | Satin stainless steel | 630 | X | – | X |

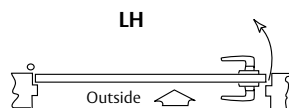
‡ Exit Devices ordered in 32 or 32D will have the ET trims supplied in 26 or 26D; for nickel finished ET trims, specify 14 or 15 finish and the exit will be supplied in 32 or 32D accordingly

ET Lever Trim for Exit Devices

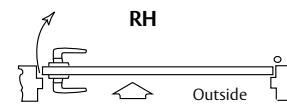


Note: Exit devices are only available with ET Trim

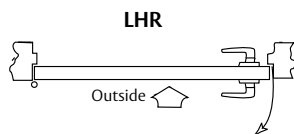
Handing



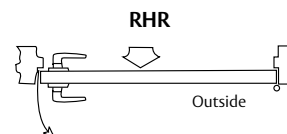
Left Hand Door



Right Hand Door



Left Hand Reverse Door



Right Hand Reverse Door

Standard and Coastal Series Levers, Rose and Thumbturn Designs

Keypad (KP) Series



KP Series products are available with the following identified lever designs to provide uniformity throughout a facility. Lever projection from door surface varies with lock type. KP mortise locks and cylindrical locks are specified by rose design followed by the lever designation (e.g., LNMX). KP Exit devices are specified by the ET designation followed by the lever designation (e.g., ETMX).

Levers

| Standard Levers | | | | | |
|-----------------|--------|--------|---------------|-------------------|--------------|
| Lever | Design | Handed | Mortise Locks | Cylindrical Locks | Exit Devices |
| A | | Yes | X | | X |
| B | | - | X | X | X |
| E | | - | X | | X |
| F | | - | X | | X |
| J | | - | X | X | X |
| L | | - | X | X | X |
| P | | - | X | X | X |
| W | | - | X | | X |

| Coastal Levers | | | | | |
|----------------|--------|--------|---------------|-------------------|--------------|
| Lever | Design | Handed | Mortise Locks | Cylindrical Locks | Exit Devices |
| C | | - | X | | X |
| G | | Yes | X | X | |
| R | | - | X | | X |
| S | | Yes | X | | X |
| Y | | Yes | X | X | X |

Note: KP-8200 mortise locks with Coastal Series levers are available with CR & TR roses (Not available with LN, O, CO & TO roses)

Note: KP-8200 mortise locks with standard levers are available with LN and O roses only (not available with CO, CR, TO & TR roses)

| Roses | Design | Diameter | Mortise Locks | Cylindrical Locks |
|-------|--------|----------|---------------|-------------------|
| LN | | 2" | X | |
| CR | | 2-3/16" | X | |
| TR | | 2-3/16" | X | |
| O | | 2-3/4" | X | |
| E2 | | 2-11/16" | X | |

| Roses | Design | Diameter | Mortise Locks | Cylindrical Locks |
|-------|--------|----------|---------------|-------------------|
| E3 | | 2-1/16" | X | |
| CO | | 2-3/4" | X | |
| TO | | 2-3/4" | X | |
| L | | 3-1/2" | | X |
| G | | 3-1/2" | | X |

Thumbturns

The thumbturn backplate will match the rose design chosen. The turn designation must be specified as an option before the lock order string. *The standard thumbturn will be supplied if T1, T2 or T3 are not listed. See page 10 in the 8200 mortise lock catalog for more information.

T1 Turn



T2 Turn



T3 Turn



Standard Turn*

















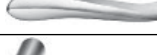


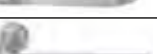
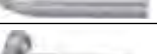










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Studio Collection Levers








Keypad (KP) Series

Studio Collection Levers are available with the 8200 Series Mortise Locks. With Exit Device, the Studio Collection is available with the ET trim creating uniformity throughout a facility.

| Aventura Series | | | | |
|-----------------------------|---|--------|---------------|--------------|
| Lever | Design | Handed | Mortise Locks | Exit Devices |
| MB |  | - | X | X |
| ME |  | - | X | X |
| MF |  | - | X | X |
| NF ¹ |  | - | X | X |
| MG |  | - | X | X |
| MI |  | - | X | X |
| NI ¹ |  | - | X | X |
| MW ¹ |  | - | X | X |
| Odeon Series ^{3,4} | | | | |
| MN |  | Yes | X | X |
| MH |  | Yes | X | X |
| MK |  | Yes | X | X |
| MS |  | Yes | X | X |
| MU |  | Yes | X | X |
| MV |  | Yes | X | X |
| NS ¹ |  | Yes | X | X |
| NU ¹ |  | Yes | X | X |
| MX ¹ |  | Yes | X | X |
| Berlin Series | | | | |
| H015 |  | - | X | X |
| H016 ¹ |  | - | X | X |
| H017 |  | - | X | X |
| H018 |  | - | X | X |

| Notting Hill Series | | | | |
|---------------------|--|--------|---------------|--------------|
| Lever | Design | Handed | Mortise Locks | Exit Devices |
| MA ^{3,4} |  | Yes | X | X |
| MQ ⁴ |  | Yes | X | X |
| MT ⁴ |  | Yes | X | X |
| MM ⁴ |  | Yes | X | X |
| MR ³ |  | Yes | X | X |
| MY ^{1,4} |  | Yes | X | X |
| MO ⁴ |  | Yes | X | X |
| MZ ^{1,4} |  | Yes | X | X |

| Centro Levers | | | | |
|-------------------|--|---|---|---|
| MC ^{3,4} |  | - | X | X |
| MD |  | - | X | X |
| MJ |  | - | X | X |
| MP ⁴ |  | - | X | X |
| ND ¹ |  | - | X | X |
| NJ ¹ |  | - | X | X |

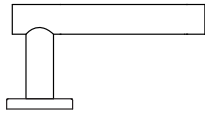
| Gramercy Levers ² | | | | |
|------------------------------|--|---|---|---|
| RCM |  | - | X | X |
| RAL |  | - | X | X |
| REM |  | - | X | X |
| RAM |  | - | X | X |
| RAS |  | - | X | X |
| RAG |  | - | X | X |
| RGM |  | - | X | X |

- Lever returns within 1/2" (13mm) of door face.
- Gramercy levers are customized. Refer to page 10 for ordering information.
- Contact factory for current lead times. Not available in stainless steel finishes.
- Not available in 32D or 32 finish.

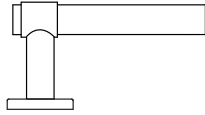
Studio Collection Levers

Keypad (KP) Series

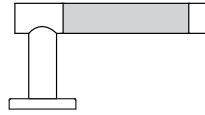
Gramercy Series Levers



REM, RGM



RCM



RAG, RAL, RAM, RAS

Gramercy Finish Codes

| BHMA Finish | SARGENT Finish | Gramercy Code* | Description |
|-------------|----------------|----------------|--|
| 630 | 32D | 30 | Satin Stainless Steel |
| 629 | 32 | 29 | Bright Stainless Steel |
| 613E | 10BE | 3E | Dark Oxidized Satin Bronze, Equivalent |
| N/A | BSP | BS | Black Suede Powder Coat |
| N/A | WSP | WS | White Suede Powder Coat |
| N/A | N/A | BK | Black (Santoprene™ or leather insert) |
| N/A | N/A | BN | Brown (leather insert) |

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

| Lever Designation | Lever Description | Available Finishes (AS ORDERED) |
|-------------------|-------------------|--|
| RAG | Grooved Insert | 3030, 2929, 2930, 3029, 3E3E, BSBS or WSWWS |
| RAL | Leather Insert | 30BK, 30BN, 29BK, 29BN, 3EBK3E, BSBKBS, WSBKWS, 3EBN3E, BSNBNS or WSNBNS |
| RAM | Metallic Insert | 2930 or 3030 |
| RAS | Santoprene Insert | 30BK, 29BK, 3E3E, BSBS or WSWWS |
| RCM | Raised Band | 2930, 2929, 3030, 3029, 3E3E, BSBS or WSWWS |
| REM | Plain | 2929, 3030, 3E3E, BSBS or WSWWS |
| RGM | Two Grooves | 2929, 3030, 3E3E, BSBS or WSWWS |

**Two-tone finish - grip of lever is 32D, balance of lever is 32. Rose/escutcheon and lock finish will be 32.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

How to Order: KP- Mortise Locks x Gramercy Levers

| Options | Series/Type | Function | Rose | Lever | Finish | Hand |
|---------------------------|-------------|--------------------|-------------------|----------------|---|---------------------|
| select from pages 11 - 13 | KP-82 | select from page 5 | select from below | Leather insert | Bright stainless steel with brown leather | RHR, RH, LHR, or LH |
| 10- | KP-82 | 76 | LN | RAL | 29BN | RH |

How to Order: KP- Exit Device x Gramercy Levers

| Options | Series | Type | Function | Rail Size | Trim | Lever | Finish | Inside Finish | Door Width |
|---------------------------|--|------|--------------|-----------|----------------|---|--------------------|---------------|------------|
| select from pages 11 - 13 | Select from 80 Series Exit Device Function chart from page 6 | | E, F, J or G | ET Series | Leather insert | Bright stainless steel with brown leather | select from page 7 | | |
| 10- | KP | 88 | 77 | F | ET | RAL | 29BN | 32D | 36" |

Mechanical and Cylinder Options

Keypad (KP) Series

Mechanical Options:

| | | |
|-------------------------|------|--|
| Fire Rated | 12- | UL Fire Label Exit hardware (KP8800 & KP8900 series Exits Only) (not available with 16-) |
| Cylinder Dogging | 16- | Cylinder Rail Dogging with # 41 Cylinder (not available with 12-, 57, 59- or AL- option) (KP8800 & KP8900 Series Exits) |
| Less Touch Pad | 19- | Pushbar without Lexan touchpad (KP8800 & KP8900 Series Exits) |
| Flat Lip Strike | 23- | Flat 4-7/8" (124mm) ANSI strike (KP8200 SeriesMortise) |
| Backset Options | 23- | 3-3/4" (95mm) Backset (for KP10G77 only) |
| | 25- | 5" (127mm) Backset (for KP10G77 only) |
| Strike | 28- | 4-7/8" Curved Lip Strike #808 (KP10G77 only) |
| Security Fasteners | 36- | Six lobe security head screws |
| | 37- | Spanner head screws |
| Double Doors | 41- | 3/4" Throw Latchbolt x 2-3/4" Backset |
| Tactile Warning Options | 75- | Tactile Warning - Milled Inside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever) |
| | 76- | Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever) |
| | 77- | Tactile Warning - Milled Inside & Outside Lever (Not available with Exit Devices, Studio & Coastal Levers and the A Lever) |
| | 85- | Tactile Warning - Abrasive Coating on Inside Lever (or Push Rail for Exits) |
| | 86- | Tactile Warning - Abrasive Coating on Outside Lever |
| | 87- | Tactile Warning - Abrasive Coating on Outside Lever & Inside Lever (or Push Rail for Exits) |
| | CPC- | Clear Powder Coat (Available for 26, 26D, 32 & 32D Finishes) |
| | SG- | MicroShield® antimicrobial clear powder coat (Available with 15, 26D, and 32D finishes) |

Cylinder Options:

| | | |
|-------------------|---------|--|
| Degree Key System | DG1- | SARGENT Degree Key System Level 1 |
| | DG1-21- | Degree Level 1 Construction Master Keying |
| | DG1-60- | Degree Level 1 Removable Disposable Construction Core (not available with cylindrical locks) |
| | DG1-63- | Degree Level 1 Removable Core (not available with cylindrical locks) |
| | DG1-64- | Degree Level 1 Removable Construction Keyed LFIC (not available with cylindrical locks) |
| | DG1-65- | Degree Level 1 Unassembled/Uncombined Core |
| | DG1-78- | Degree Level 1 Exposed Plug (not available with cylindrical locks or exit devices) |
| | DG2- | SARGENT Degree Key System Level 2 |
| | DG2-21- | Degree Level 2 Construction Master Keying |
| | DG2-60- | Degree Level 2 Removable Disposable Construction Core (not available with cylindrical locks) |
| | DG2-63- | Degree Level 2 Removable Core (not available with cylindrical locks) |
| | DG2-64- | Degree Level 2 Removable Construction Keyed LFIC (not available with cylindrical locks) |
| | DG2-65- | Degree Level 2 Unassembled/Uncombined Core |
| | DG2-78- | Degree Level 2 Exposed Plug (not available with cylindrical locks or exit devices) |
| | DG3- | SARGENT Degree Key System Level 3 |
| | DG3-21- | Degree Level 3 Construction Master Keying |
| | DG3-60- | Degree Level 3 Removable Disposable Construction Core (not available with cylindrical locks) |
| | DG3-63- | Degree Level 3 Removable Core (not available with cylindrical locks) |
| | DG3-64- | Degree Level 3 Removable Construction Keyed LFIC (not available with cylindrical locks) |
| | DG3-78- | Degree Level 3 Exposed Plug (not available with cylindrical locks or exit devices) |

Note: More Cylinder Options on the following page

Cylinder Options

Keypad (KP) Series

Cylinder Options:

| | | |
|---|---------------------|---|
| Degree Key System | DG1- | SARGENT Degree Key System Level 1 |
| | DG1-21- | Degree Level 1 Construction Master Keying |
| | DG1-60- | Degree Level 1 Removable Disposable Construction Core (not available with cylindrical locks) |
| Signature Key System | 10- | SARGENT Signature Key System (Not Available with other Key Systems) |
| | 10-21- | SARGENT Signature Construction Key System (Lost Ball) |
| Signature Large Format Interchangeable Core | 10-63- | SARGENT Signature Large Format Interchangeable Core (Removable Core) Cylinder |
| XC- Key System | 11- | XC Key System (not available with 10-, 22-) |
| | 11-21- | XC- Construction Key System (Lost Ball) |
| XC- Large Format Interchangeable Core | 11-60- | Hardware to accept XC- Permanent LFIC (Removable Core), Disposable plastic Core- provided |
| | 11-63- | Hardware provided with XC- LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying) |
| | 11-64- | Hardware provided with Keyed construction core to accept XC- LFIC (Removable) Permanent Core (ordered separately) |
| XC- Interchangeable Cores | 11-70-7P- | Hardware to accept XC- SFIC (7-Pin)XC- Permanent Cores, plastic disposable core provided (10 Line J lever not available) |
| | 11-72-7P- | Hardware to accept XC- SFIC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately (10 Line J lever not available) |
| | 11-73-7P- | Hardware supplied with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying) (10 Line J lever not available) |
| | 11-65-73-7P- | Hardware provided to accept XC- Uncombined 7-Pin SFIC (Permanent) Core (10 Line J lever not available) |

| | | |
|-----------------------------------|------------------|--|
| Construction Key Systems | 21- | SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-) |
| | 22- | SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-) |
| Old Style Removable Core | 51- | Removable Core Cylinder (Old Style) provided (Existing Systems Only) |
| | 52- | Removable Construction Core (Old Style) Permanent Core ordered separately (Existing Systems Only) |
| Large Format Interchangeable Core | 60- | Hardware to accept SARGENT Permanent LFIC (Removable Core), Disposable Plastic Core provided (Permanent Cores ordered separately) |
| | 63- | Hardware provided with LFIC (Removable Core) Cylinder - (Includes masterkeying, grand masterkeying) |
| | 64- | Hardware provided with Keyed construction core to accept LFIC (Removable) Permanent Core (ordered separately) |
| Interchangeable Cores | 70- | Hardware to accept 6 or 7-Pin SFIC Permanent Cores, Plastic Disposable Core provided (10 Line J lever not available) |
| | 72- | Hardware to accept 6 or 7-Pin SFIC (Keyed Construction Core provided) Cylinder (10 Line J lever not available) (Permanent Core ordered separately) |
| | 73- | Hardware supplied with 6 pin SFIC (Includes masterkeying, grand masterkeying) (10 Line J lever not available) |
| | 65-73- | Hardware provided to accept Uncombined 6-Pin SFIC (Permanent) Core (10 Line J lever not available) |
| | 65-73-7P- | Hardware provided to accept Uncombined 7-Pin SFIC (Permanent) Core (10 Line J lever not available) |
| | 73-7P- | Hardware supplied with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying) (10 Line J lever not available) |

Note: More Cylinder Options on the following page

Cylinder Options and Shipping Information

Keypad (KP) Series

Cylinder Options:

| | | |
|--------------------------|---------------|--|
| Keso & Keso F1 | 81- | Hardware provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores (Not available with 10 Line) (Permanent Cores ordered separately) |
| | 82- | Hardware provided with SARGENT Keso Security Cylinder |
| | F1-82- | Hardware provided with SARGENT Keso F1 Security Cylinder (Patented) |
| | 83- | Hardware supplied with SARGENT Keso Security Removable Core cylinder (Not available with 10 Line) |
| | F1-83- | Hardware supplied with SARGENT Keso F1 Security Removable Core cylinder (Not available with 10 Line) (Patented) |
| | 84- | Hardware provided with SARGENT Keso Construction Cores (Not available with 10 Line) (Permanent Cores ordered separately) |
| Bump Resistant | BR- | Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only) |
| Less Cylinder | LC- | Hardware supplied less cylinder |
| Accept Schlage Cylinders | 30- | Lever to accept Schlage Cylinder-Cylinder is not provided (10 Line only) |
| | SF- | L Lever to accept Medeco KeyMark Large Format Interchangeable and Schlage Full Size Interchangeable Core (10 Line only) |
| Schlage Keyways | SC- | Schlage C keyway cylinder, 0 bitted (Not available with 8900 Series exit devices) |
| | SE- | Schlage E keyway cylinder, 0 bitted (Not available with 8900 Series exit devices) |

Note: V-10 cylinders and information contact ASSA, Inc. @ 800-235-7482

Note: To order the KP-10 Line lock for use with ASSA V-10 (VA & VS) cylinders, specify the less cylinder (LC-) option and the lever will accept VA & VS cylinders. (VC- & VC-VS- ASSA cylinders are not available with KP-10 Line locks)

Shipping Information

| Lock | Shipping Weight | Pc. Count/Carton |
|---|-------------------|------------------|
| KP8276 x lever trim (with cylinder) | 10.0 lbs (4.5 kg) | 1/carton |
| KP8277 x lever trim (no cylinder) | 9.5 lbs (4.3 kg) | 1/carton |
| KP8278 x lever trim (with cylinder/no deadbolt) | 10.0 lbs (4.5 kg) | 1/carton |
| KP8279 x lever trim (w/o cylinder/no deadbolt) | 9.5 lbs (4.3 kg) | 1/carton |
| KP8877 | 16 lbs (7.3 kg) | 1/carton |
| KP8977 | 18 lbs (8.2 kg) | 1/carton |
| KP10G77 LL | 9.75 lbs (4.4 kg) | 1/carton |

KP10G77 Cylindrical Locks



2.0 ACCESS CONTROL CYLINDRICAL LOCK

A. Standalone access control cylindrical locks shall be KP10G77 as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Provide cylindrical lock series and function where specified in hardware groups, with the provisions below.

1. Cylinders: Provide SARGENT Signature Series cylinders.
2. Backsets: 2-3/4 inches.

3. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8 inch beyond trim, frame or inactive leaf.

C. Locks shall meet ANSI/BHMA A156.2, Grade 1 requirements.

D. Locks shall be UL listed for use on fire doors.

E. Provide access control products with non-volatile memory.

F. Provide keypad operated products with a minimum of 100 user codes.

G. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.

H. Provide the ability to print the last fifteen entries via infrared printer.

I. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the cylindrical lock. The inside lever is always free for egress.

J. Provide lever design to match other locks on the project.

K. Provide LED's on unit to indicate status – unlocked and programming mode.

L. Provide weatherseal gasketing for keypad at exterior applications.

KP8200 Series Mortise Locks



2.1 ACCESS CONTROL MORTISE LOCKS

A. Stand alone access control mortise locks shall be KP8200 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Provide access control mortise lock series, type, and function where specified in hardware groups, with the provisions below.

1. Cylinders: Provide SARGENT Signature Series mortise cylinders.
2. Backsets: 2-3/4 inches.

3. Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8 inch beyond trim, frame or inactive leaf.

C. Locks shall meet ANSI/BHMA A156.13, Grade 1 requirements.

D. Locks shall be UL listed for use on fire doors.

E. Provide access control products with non-volatile memory.

F. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.

G. Lock shall have the ability to print the last fifteen entries via infrared printer.

H. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the mortise lock. The inside lever is always free for egress.

I. Provide lever design to match other locks on the project.

J. Provide LED's on unit to indicate status – unlocked and programming mode.

K. Provide weatherseal gasketing for keypad at exterior applications.

KP8800/8900 Series Exit Devices



2.2 ACCESS CONTROL EXIT DEVICES

A. Standalone access control exit devices shall be KP8800/8900 Series as manufactured by SARGENT Manufacturing Company, New Haven, CT.

B. Provide access control exit device series, type, and function where specified in hardware groups.

C. All exit devices shall be UL listed for panic. Exit devices for labeled doors shall be UL listed as "Fire Exit Hardware".

D. Exit devices shall meet ANSI/BHMA A156.3, Grade 1 requirements.

E. Provide exit devices factory cut to door width and height. Locate exit devices at a height recommended by the exit device manufacturer, allowable by governing building codes, and approved by the Architect.

F. Provide access control products with non-volatile memory.

G. Provide keypad products with a minimum of 100 user codes.

H. In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.

I. Provide the ability to print the last fifteen entries via infrared printer.

J. Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the outside trim. Egress from the inside at all times.

K. Provide lever design to match other lock levers on the project.

L. Provide LED's on unit to indicate status – unlocked and programming mode.

M. Provide weatherseal gasketing for keypad at exterior applications.

N. Provide cylinder-dogging feature for non-rated exit devices.

O. Provide keyed removable mullions, as specified in the Hardware Groups.

P. Provide clear powder coating at exit devices used in full exterior application, highly corrosive areas, and where noted in the hardware groups.

Q. Provide SARGENT Signature Series cylinders for exit devices with cylinder override and cylinder dogging.

HARDWARE SET #2 & #3

10 Line Cylindrical Lever Lock



Table of Contents

10 Line Cylindrical Lever Locks

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 Electromechanical Functions & Accessories 9
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 Packaging, Finishes 15
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MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of ASSA ABLOY Access and Egress Hardware Group, Inc.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield lasts for the life of the hardware
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

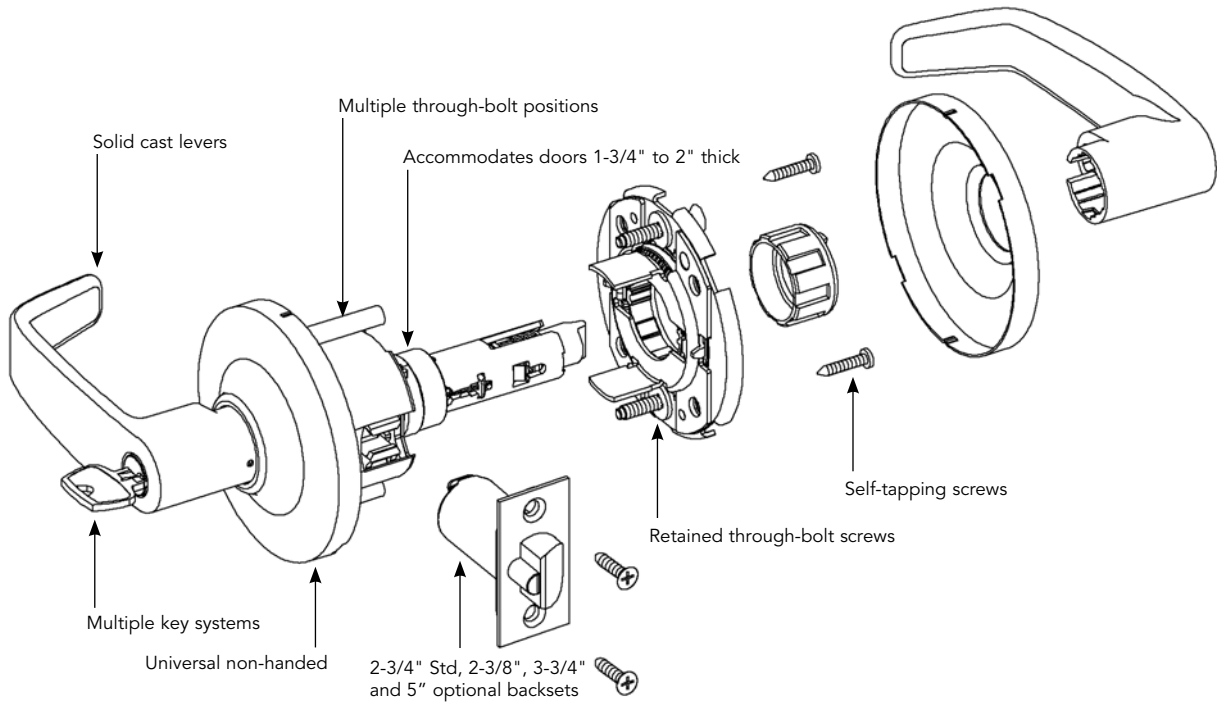


The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

Overview

10 Line Cylindrical Lever Locks

A heavy duty cylindrical key-in-lever lock designed to exceed the requirements of ANSI/BHMA A156.2 Series 4000 Grade 1. The 10 Line is the standard for institutional applications such as medical, educational and municipal facilities.



Applications

- Heavy duty commercial and institutional interior and exterior doors
- Offices
- Schools/Universities
- Hospitals
- Manufacturing facilities

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Certification/Compliance

| | |
|---|---|
| ANSI/BHMA | Certified ANSI/BHMA A156.2 (2017) Series 4000 — Grade 1 |
| UL/cUL | UL/cUL listed to US and Canadian safety standards for 3 hour doors up to 4' x 10' (double doors require 41- option) |
| NFPA 80 | Conforms for life safety and property protection, Standard for Fire Doors and Other Opening Protectives |
| Positive Pressure | Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies |
| ADA | All levers conform to ADA clear opening width requirements of ANSI A117.1 |
| California State Reference Code (Formerly Title 19, California State Fire Marshal Standard) | All levers with returns comply; levers return to within 1/2" (13mm) of door face |
| Windstorm/Hurricane | All individual components of a total door opening are required to comply with each code. |

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing's products meet building codes that require hurricane and windstorm certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 10 Line lock.

Florida Building Code: FL2998

UL Certification Directory: ZHEM.R21744 – Latching Hardware

| | |
|-------------------------|--|
| ANSI/SDI A250.13 (2014) | "Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies" |
| ASTM E330 (2002) | "Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"* |
| ASTM E1886 (2005) | "Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials"* |
| ASTM E1996 (2009) | "Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes"* |
| (TAS) 201 (1994) | "Impact Test Procedures"* |
| (TAS) 202 (1994) | "Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference"* |
| (TAS) 203 (1994) | "Criteria for Testing Products Subject to Cyclic Wind Pressure Loading"* |

* Published in the 7th Edition (2020), "Florida Building Code" (FBC), State Product Approval Number FL2998

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

| | |
|-------------------|---|
| ASTM E330 (2002) | "Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference" |
| ASTM E1886 (2005) | "Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials" |
| ASTM E1996 (2009) | "Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes" |

Technical Details

10 Line Cylindrical Lever Locks

| | |
|---------------------|--|
| Door Prep | ANSI/BHMA A156.115 |
| Door Thickness | 1-3/4" (44mm) thick door adjusts to 2" (51mm) standard 1-3/8" (35mm) thick door, specify 1- Option for Adapter plates |
| Backsets | 2-3/4" (70mm) backset w/ 1-1/8" front (standard) 2-3/8" (60mm) backset w/ 1" wide front (specify 20- Option) 3-3/4" (95mm) backset w/ 1-1/8" front (specify 23- Option) 5" (127mm) backset w/ 1-1/8" front (specify 25- Option) |
| Cylindrical Housing | Steel, zinc dichromate finish |
| Front | Wrought brass, bronze and stainless steel 2-1/4" (57mm) x 1-1/8" (29mm) Fixed Bevel 2-1/4" (57mm) x 1" (25mm) (included with 20- Option) |
| Strike | Wrought brass, bronze and stainless steel 800 curved lip strike — standard 808 curved lip ANSI strike (specify 28- Option) Wrought box strike available (specify WBS- Option) |
| Hand | All 10 Line Locks are non-handed except for the G & Y Levers |
| Roses | Heavy wrought brass and bronze |
| Latchbolt | Stainless steel 1/2" (13mm) throw Brass 3/4" (19mm) throw for pairs of doors (specify 41- Option) |
| Cylinder | Brass, 6-pin LA keyway, 1-bitted standard, specify KD for keyed different/random |
| Keys | Two nickel silver change keys per lock standard |
| Masterkeying | Can be master keyed or grand master keyed Construction key systems available |
| Finishes | See page 15 |
| Minimum Stile | 4-1/2" (114mm) |
| Warranty | Seven-year limited |

Strength, Durability and Security

- Cycle Test: Exceeds ANSI/BHMA A156.2 Grade 1 requirements
- Abusive Locked Lever Torque- without entry gained: Exceeds 1.5 times ANSI/BHMA A156.2 Grade 1 requirements

Convenience

- Installs in 1 minute or less
- Quickly adapts to fit multiple through-bolt positions
- User friendly packaging
- User friendly instruction sheets

Design

- Solid feel and precise lever action
- Slim rose design available
- Decorative Levers — Coastal Series designs – Gulfport and Yarmouth
- Levers are solid one piece cast construction, except "J" lever

Flexibility

- Fits a variety of door preparations with adaptable through-bolt positioning
- Accommodates retrofit applications with optional 2-3/8", 3-3/4" and 5" backset latches
- 6 ADA lever styles to complement a wide array of design applications
- Levers (B, L, J & P) are non-handed for efficient warehousing and for ease of installation
- 14 Architectural grade finishes
- 21 Functions
- SARGENT uses engineered solutions and flexible manufacturing processes to accommodate special applications

Security

- Torx® and spanner screws optional
- Classroom security and multiple locking functions available
- Vandal resistant trim optional (FW- option)
- Security key systems available (Degree®, Signature, Keso, BR-XC, XC)

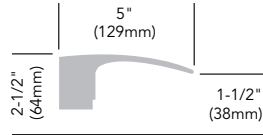
Lever & Rose Designs

10 Line Cylindrical Lever Locks

Any rose or lever on this page can be combined to suit individual taste.

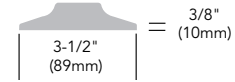
B Lever Design

- Lever: B-Solid Cast



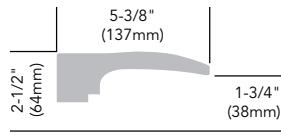
G Rose Design

- Rose G - Heavy Wrought



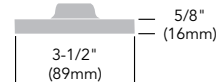
Y Lever Design - Coastal Design - Yarmouth

- Lever: Y-Solid Cast
- Handed



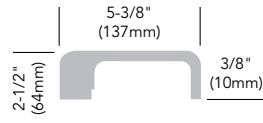
L Rose Design

- Rose L - Heavy Wrought



J Lever Design

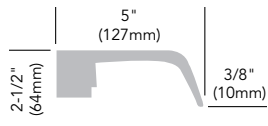
- Lever: J-Wrought



J lever – not available with Freewheeling or Interchangeable Core

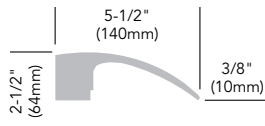
L Lever Design

- Lever: L-Solid Cast



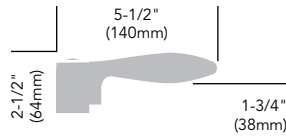
P Lever Design

- Lever: P-Solid Cast



G Lever Design - Coastal Design - Gulfport

- Lever: G-Solid Cast
- Handed



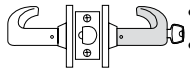
NOTE: All lever height measurements represent total distance from door face.

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Single Cylinder Functions

04 Storeroom or Closet

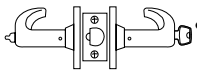
10G04



- Deadlocking latch
- Latch by lever inside or key outside
- Outside lever rigid at all times
- **ANSI/BHMA F86**

05 Entrance or Office

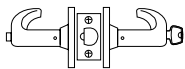
10G05



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push/turn button in inside lever
- Push button released by key outside or lever inside
- Turn button must be released manually
- Key retracts latch when outside lever is locked
- **ANSI/BHMA F109**

24 Entrance or Office

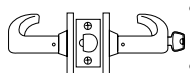
10G24



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button in inside lever
- Push button released by key or turning inside lever
- Closing door does not unlock outside lever or release button
- Key in outside lever retracts latch when outside lever is locked and releases inside push button
- **ANSI/BHMA F82A**

37 Classroom

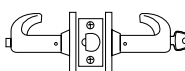
10G37



- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in outside lever locks or unlocks outside lever and retracts latch
- Inside lever always operative
- **ANSI/BHMA F84**

44 Service Station

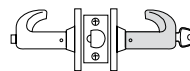
10G44



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button in inside lever
- Key retracts latch when outside lever is locked
- Push button released by turning inside lever, closing door, or by key in outside lever unless push button is fixed in locked position by turning coin slot in inside lever
- Slotted inside button must be manually released
- **ANSI/BHMA F92**

50 Hotel, Dormitory or Apartment

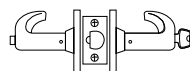
10G50



- Deadlocking latch
- Latch by key outside and lever inside
- Outside lever always rigid
- Depressing push button when door is closed shuts out all keys except emergency key and projects visual occupancy indicator in cylinder face
- Push button released by turning inside lever automatically reactivating all keys and retracting visual occupancy indicator
- Lock out key fixes push button in locked position, shutting out all keys except emergency
- Push button fixed by lockout key must be released manually
- Lock out key provided
- See option page for restrictions to 50 function
- Emergency key ordered separately. Part # 6267EMK
- **ANSI/BHMA F93**

54 Corridor, Dormitory

10G54



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button inside or key outside
- Rotating inside lever or closing door releases inside button only, but does not unlock the outside lever if locked by key
- Key outside locks or unlocks outside lever and also retracts latchbolt when locked
- **ANSI/BHMA F90**

Freewheeling Locked Lever Option

- Available on all locking functions except 10G70 and 10G71
- Provides protection from vandalism and added security
- Stops in the rose prevent the lever from traveling beyond 60° in either direction
- Not available in "J" Lever Design and some options

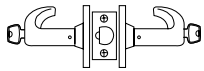


Shaded lever indicates it is rigid at all times.

Double Cylinder Functions

16 Classroom Security, Apartment, Exit, Privacy

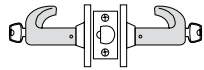
10G16



- Deadlocking latch
- Latch by either lever unless outside lever is locked by key in inside lever
- Key in outside lever retracts latch when outside lever is locked
- Inside lever always operative
- **ANSI/BHMA F88**

17 Utility, Asylum or Institutional

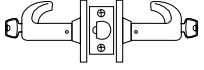
10G17



- Deadlocking latch
- Both levers rigid at all times
- Latch by key either side
- Use only on rooms with more than one exit
- **ANSI/BHMA F87**

26 Store or Storeroom

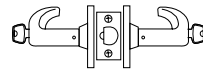
10G26



- Deadlocking latch
- Latch by either lever
- Key in either lever locks or unlocks both levers
- **ANSI/BHMA F91**

30 Communicating

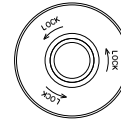
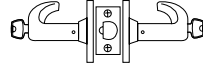
10G30



- Deadlocking latch
- Latch by either lever
- Key in either lever locks or unlocks its own lever only
- Use only on rooms with more than one exit
- **ANSI/BHMA F80**

38 Classroom Security Intruder

10G38

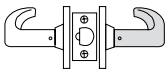


- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in either lever locks or unlocks outside lever
- Inside lever always operable
- Locked indication on inside rose standard with this function
- **ANSI/BHMA F110**

Non-Cylinder Functions

13 Exit

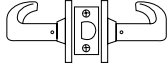
10G13



- Deadlocking latch
- Latch by inside lever
- Outside lever rigid at all times
- **ANSI/BHMA F89**

15 Passage

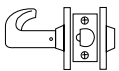
10U15



- Latch by either lever
- **ANSI/BHMA F75**

15-3 Exit or Communicating

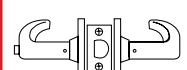
10G15-3



- Deadlocking latch
- Blank rose outside
- Latch by lever inside
- Minimum clearance of 1-1/8" on single doors and 2-1/4" between double doors

65 Privacy/Bathroom

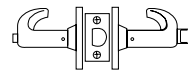
10U65



- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Emergency button in outside lever unlocks, with use of a blade screwdriver in outside lever and releases inside button
- **ANSI/BHMA F76A**

68 Hospital Privacy

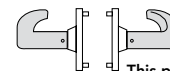
10U68



- Latch by either lever unless outside lever is locked by push button in inside lever
- Turning inside lever or closing door releases button
- Rotating thumbturn in outside lever unlocks the outside lever and releases the inside button
- Not available in the "J" lever design

93 Single & 94 Double Lever Pulls

10U93/10U94

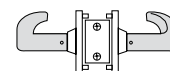


This pull only for 93

- For wood or custom hollow metal doors
- Lever and rose both sides joined by two through-bolts
- Requires special door preparation — see template

94-2 Double Lever Pull

10U94-2



- For wood or custom hollow metal doors
- Lever and rose both sides joined by two through-bolts
- Dummy latch plate
- Uses standard door prep template



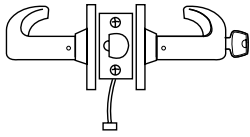
Shaded lever indicates it is rigid at all times.

Electromechanical Functions & Accessories

10 Line Cylindrical Lever Locks

70 Electromechanical (Fail Safe) 71 Electromechanical (Fail Secure)

10G70



- 10G70: Power off, unlocks outside lever
- 10G71: Power off, locks outside lever
- Deadlocking latch
- Key retracts latch
- Inside lever always allows egress
- Voltage requirements: 12VDC or 24VDC Regulated; always specify voltage
- 250mA at 24VDC or 500mA at 12VDC
- Provided with ElectroLynx® 8-Pin Connector

RX- Monitoring of Inside Lever

- Patent Pending design
- Non-Contact Switch
- Bidirectional lever rotation
- Non-handed design
- Internal switch offers N/O & N/C
- Modular wire harness with ElectroLynx® 8-pin connector
- Available functions: 04, 05, 15, 37, 70 & 71

Requirements for Electrical and Data Transfer

To answer the demand for “smart” electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx®:

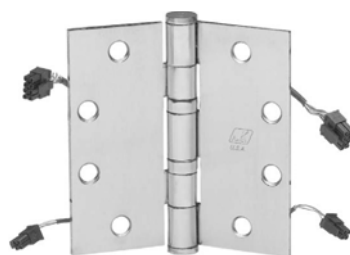
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect 10 Line Electrified Lock to the electronic access control system, the following items are required:

- 10 Line Electrified Lock
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKINNEY)

Information regarding cable selection, hinge requirements and order strings can be found in the McKINNEY Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKINNEY QC8 ElectroLynx® hinges are recommended for Electrified 10 Line Applications



12VDC & 24VDC Power Supplies:



- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED.
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

| SARGENT Model No. | Description |
|-------------------|---------------------------------|
| 3521 | 12V - 1 AMP Power Supply |
| 3541 | 12V - 3 AMP Power Supply |
| 3551 | 12V - 4.5 AMP Power Supply |
| 3571 | 12V - 6 AMP Power Supply |
| 737 | 12V - 5 AMP Hour Backup Battery |

| SARGENT Model No. | Description |
|-------------------|---------------------------------|
| 3520 | 24V - 1 AMP Power Supply |
| 3540 | 24V - 2 AMP Power Supply |
| 3550 | 24V - 4 AMP Power Supply |
| 3570 | 24V - 6 AMP Power Supply |
| 738 | 24V - 5 AMP Hour Backup Battery |

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Cylinders

10 Line Cylindrical Lever Locks

Cylinders

- Finishes: 04, 15, BSP

| Type | Pins | Standard Cylinder | Hotel Cylinder | Interchangeable Core [^] | |
|--------------|------|-------------------|----------------|-----------------------------------|--------------|
| | | | | Large Format | Small Format |
| Conventional | 6 | C10-1 | C10-2 | 6300 | 7300B |
| | 7 | N/A | N/A | N/A | 7P-7300B |
| Signature | 6 | 10-C10-1 | N/A | 10-6300 | N/A |
| XC | 6 | 11-C10-1 | N/A | 11-6300 | N/A |
| | 7 | N/A | N/A | N/A | 11-7P-7300B |
| Keso | 12 | F1-81-C10-1 | N/A | N/A | N/A |
| Degree® DG1 | 6 | DG1-C10-1 | DG1-C10-2 | DG1-6300 | N/A |
| Degree® DG2 | 6 | DG2-C10-1 | N/A | DG2-6300 | N/A |
| Degree® DG3 | 6 | DG3-C10-1 | N/A | DG3-6300 | N/A |

All cylinders are supplied with 2 nickel silver change keys.
When cylinders are ordered keyed to 5 pin systems, the (6th) last chamber will be empty.

Cylinders are supplied 1 bitted unless specified keyed random or master keyed. For master keyed orders provide keying details as requested on SARGENT Keyed Order Lead Sheets, located in the price book or contact customer service.

To order cylinders separately, specify part number x keyway x finish (i.e. C10-1 x LA x 15)

[^]Locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used.

For example standard cores and Degree® cores require different tailpieces. When ordering complete locks, the appropriate option code must be specified in accordance to the permanent core being used. See pages 13-14 for cylinder options.

Cylinders with Competitive Keyways

| Competitive Keyway | Part Number |
|--------------------|-------------|
| Schlage® C | SC-C10-1 |
| Schlage® E | SE-C10-1 |

All cylinders are 6-pin, 0-bit and supplied with two brass key blanks. Cylinders include tail piece.

Refer to Cylinders and Components catalog for more information.

Interchangeable Core Tailpieces (replacement parts)

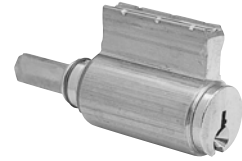
| Used with: | Type | P/N |
|-------------|-------------------|---------|
| 6300 | LFIC Conventional | 10-0239 |
| 10-6300 | LFIC Signature | 10-0239 |
| 11-6300 | LFIC XC | 10-3429 |
| DGX-6300 | LFIC Degree® | 10-3429 |
| 7300B | SFIC 6Pin | 10-0239 |
| 7300B | SFIC 6 Pin | 10-0286 |
| 7P-7300B | SFIC 7 Pin | 10-0240 |
| 11-7P-7300B | SFIC XC | 10-3138 |

Note: Tailpieces included with lock.

Levers That Accept Cylinders/Cores from Other Manufacturers*

| Cylinder Type | Option Code Ordered with Lock | Available Levers | Tailpiece P/N (provided with lock) | Competitor Cylinder Compatibility |
|-----------------------------|-------------------------------|------------------|------------------------------------|---|
| Fixed Core | | | | |
| Schlage® 6-pin | 30- | All | N/A | Schlage® Conventional or Primus® |
| Interchangeable Core | | | | |
| SFIC 6- or 7-pin | 70-, 72-, 73- | G, L, B, P, Y | 10-0239 (6-pin) 10-0240 (7-pin) | All 6- or 7-pin small format interchangeable cores |
| Schlage® LFIC 6-pin | SF- | L | 10-3428 | All Schlage® 6-pin large format interchangeable cores |

*Cylinder/core not included.



C10-1



6300



7P-7300B

Latches

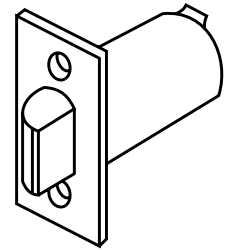
10 Line Cylindrical Lever Locks

Latches

- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32D, BSP, WSP

Plain/Unguarded Latch - 10U15, 10U65, 10U68:

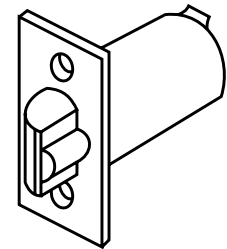
| Part No. | Front | Front Width | Backset | Throw |
|----------|---------------|---------------|---------------|-------------|
| 10-3187 | Square Corner | 1" (25mm) | 2-3/8" (60mm) | 1/2" (13mm) |
| 10-2022 | Square Corner | 1-1/8" (29mm) | 2-3/4" (70mm) | 1/2" (13mm) |
| 10-2054 | Square Corner | 1-1/8" (29mm) | 3-3/4" (95mm) | 1/2" (13mm) |
| 10-2057 | Square Corner | 1-1/8" (29mm) | 5" (127mm) | 1/2" (13mm) |



Plain/Unguarded

Deadlocking/Guarded Latch - All Other Functions:

| Part No. | Front | Front Width | Backset | Throw |
|----------|---------------|---------------|---------------|-------------|
| 10-3186 | Square Corner | 1" (25mm) | 2-3/8" (60mm) | 1/2" (13mm) |
| 10-2000 | Square Corner | 1-1/8" (29mm) | 2-3/4" (70mm) | 1/2" (13mm) |
| 10-2053 | Square Corner | 1-1/8" (29mm) | 3-3/4" (95mm) | 1/2" (13mm) |
| 10-2058 | Square Corner | 1-1/8" (29mm) | 5" (127mm) | 1/2" (13mm) |
| 10-2634* | Square Corner | 1-1/8" (29mm) | 2-3/4" (70mm) | 3/4" (19mm) |



Deadlocking/Guarded

*04/26D finish only

Miscellaneous:

| Part No. | Description |
|----------|------------------------------------|
| 10-2059 | 3-3/4" (95mm) Latch extension only |
| 10-2060 | 5" (127mm) Latch extension only |
| 10-0048 | Extension cover sleeve |

When ordering latches separately, specify Part No. x Finish (e.g., 10-3186 x 26D)

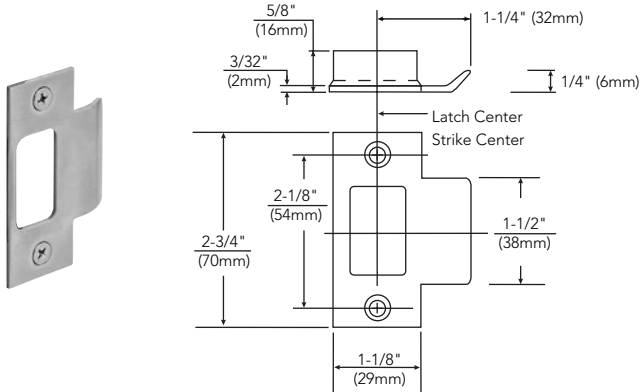
Strikes and Miscellaneous Parts

10 Line Cylindrical Lever Locks

Strikes

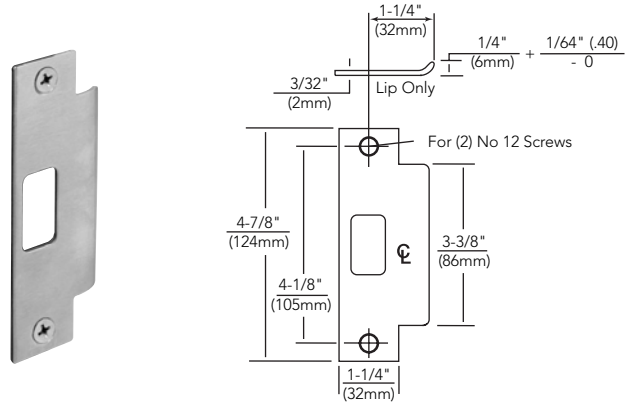
- Finishes: 03, 04, 09, 10, 10B, 10BE, 10BL, 20D, 32, 32D, BSP, WSP

2-3/4" Curved Lip Strike – Standard



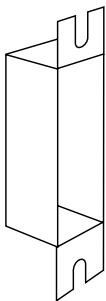
- Brass, bronze or stainless steel
- Furnished standard with 1-1/4" (32mm) curved lip from center of strike screw holes to end of lip
- Lip lengths 1" (25mm), 1-1/4" (32mm) standard, 1-1/2" (38mm), 1-3/4" (44mm) and 2" (51mm)
- Plastic strike box AM-0044 included
- To order strike separately, specify 800 strike x finish x lip length

4-7/8" Curved Lip Strike: (28-Option)



- Brass, bronze or stainless steel
- Conforms to ANSI standard
- Furnished standard with curved lip 1-1/4" (32mm) from center of strike screw holes to end of lip
- Lip lengths: 7/8" (22mm), 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-5/8" (42mm), 1-7/8" (48mm), 2-1/8" (54mm), 2-3/8" (60mm), 2-5/8" (66mm), 2-7/8" (73mm) and 3" (76mm)
- 77-1141 Wrought strike box available separately
- To order strike separately, specify 808 strike x finish x lip length

ANSI Wrought Strike Box



- Used with ANSI 4-7/8" strike (#808)
- To order with lock, specify option WBS
- To order separately, specify 77-1141

Miscellaneous Parts

| Part No. | Description |
|----------|--|
| 10-3188 | 1-3/8" Adapter plate pack (set of 2) |
| 01-0949 | 30-option, washer only |
| C10-3 | Emergency release cylinder (65 function) |
| 10-0043 | Push pin tool |
| 10-2052 | Screw pack (standard) |
| 10-2070 | Screw pack (28- option) |
| 10-3048 | Inside rose assembly |
| 10-3049 | Outside rose assembly |
| 82-3855 | 6 lobe bit pack 6 bits (Sizes – T8, T9, T10, T15, T20, T25, T27) Requires 9/32" driver |
| 82-3856 | Spanner bit pack 5 bits (Sizes – 6, 8, 10, 12, 14) Requires 1/4" driver |

Mechanical & Cylinder Options

10 Line Cylindrical Lever Locks

Mechanical Options:

| | | |
|-------------------------|------|---|
| Thin Doors | 1- | Adapter plates for 1-3/8" thick doors (2-3/4" backset latch with 1-1/8" front provided unless 20- option for 2-3/8" backset also specified) |
| Backset Options | 20- | 2-3/8" backset latch with 1" front |
| | 23- | 3-3/4" backset x 2-1/4" x 1-1/8" front |
| | 25- | 5" backset x 2-1/4" x 1-1/8" front |
| Strike | 28- | Strike #808. Lip length 1-1/4". Lip lengths 1-5/8" to 2-7/8" in 1/4" increments only. |
| Security Fasteners | 36- | Six lobe security head screws |
| | 37- | Spanner head screws |
| 3/4" Throw | 41- | 3/4" throw latchbolt x 2-3/4" backset |
| Lead Lined | 74- | Lead provided between lockbody and spring cartridge |
| Tactile Warning Options | 75- | Tactile warning - handicap warning milled on backside of inside lever |
| | 76- | Tactile warning - handicap warning milled on backside of outside lever |
| | 77- | Tactile warning - handicap warning milled on backside of both levers |
| | 85- | Tactile warning - abrasive coating on inside lever |
| | 86- | Tactile warning - abrasive coating on outside lever |
| Freewheeling Trim | 87- | Tactile warning - abrasive coating on both levers |
| | FW- | Freewheeling locking levers (G, L, B, P, Y levers only) |
| Finish Protection | SG- | MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes) |
| | CPC- | Clear Powder Coat over 26D – 10G05 x LL x 26D x CPC |
| Request to Exit | RX- | Request to exit - monitors inside lever rotation (available with functions: 04, 05, 15, 37, 70 & 71) |
| Box Strike | WBS- | Wrought box strike |

Cylinder Options:

| | | |
|---|---|--|
| Conventional Cylinder | DG1- | Sargent Degree key system level 1 (bump resistant with patented keys) |
| Degree Key System | DG1-21- * | Degree level 1 construction master keying |
| | DG1-60- | Degree level 1 removable disposable construction core |
| | DG1-63- | Degree level 1 removable core |
| | DG1-64- | Degree level 1 removable construction keyed LFIC |
| | DG1-65.* | Degree level 1 unassembled/uncombined fixed core component cylinder (packed loose for field keying) |
| | DG1-63-65- | Degree level 1 unassembled/uncombined removable core LFIC (packed loose for field keying) |
| | DG2- * | Sargent Degree key system level 2 (geographically exclusive; bump and pick resistant) |
| | DG2-21- * | Degree level 2 construction master keying |
| | DG2-60.* | Degree level 2 removable disposable construction core |
| | DG2-63.* | Degree level 2 removable core |
| | DG2-64.* | Degree level 2 removable construction keyed LFIC |
| | DG2-65.* | Degree level 2 unassembled/uncombined fixed core component cylinder (packed loose for field keying) |
| | DG2-63-65.* | Degree level 2 unassembled/uncombined removable core LFIC (packed loose for field keying) |
| | DG3.* | Sargent Degree key system level 3 (geographically exclusive; UL437 certified; bump and pick resistant) |
| | DG3-21- * | Degree level 3 construction master keying |
| DG3-60.* | Degree level 3 removable disposable construction core | |
| DG3-63.* | Degree level 3 removable core | |
| DG3-64.* | Degree level 3 removable construction keyed LFIC | |
| Signature Key System | 10-* | SARGENT Signature key system |
| | 10-21-* | SARGENT Signature construction key system (lost ball) |
| Signature: Large Format Interchangeable Core (Removable Core) | 10-63-* | SARGENT Signature LFIC (removable core) cylinder |

Note: Cylinder Options continued on the following page

* Options not available with 10G50

Cylinder Options

10 Line Cylindrical Lever Locks

Cylinder Options:

| | | |
|--|----------------------|---|
| XC- Key System | 11-* | XC Key System (not available with other Key Systems, unless specified) |
| | 11-21-* | XC- Construction Key System (Lost Ball) |
| XC- Large Format Interchangeable Core (Removable Core) | 11-60-* | Lock to accept XC-LFIC (removable core) and provided with disposable plastic core; XC-LFIC permanent core ordered separately |
| | 11-63-* | Lock provided with XC-LFIC (removable core); Includes master keying, grand master keying |
| | 11-64-* | Lock to accept XC-LFIC (removable core) and provided with keyed construction core; XC-LFIC permanent core ordered separately. |
| XC- Small Format Interchangeable Cores | 11-70-7P-* | Lock to accept XC-SFIC (7-pin, removable core) and provided with disposable plastic core; XC-SFIC permanent core ordered separately (G, L, B, P, Y levers only) |
| | 11-72-7P-* | Lock to accept XC-SFIC (7-pin, removable core) and provided with keyed construction core; XC-SFIC permanent core ordered separately (G, L, B, P, Y levers only) |
| | 11-73-7P-* | Lock provided with XC-SFIC (7-pin, removable core); Includes master keying, grand master keying (G, L, B, P, Y levers only) |
| | 11-65-73-7P-* | Lock provided with uncombined SFIC (7-pin, removable core); Packed loose (G, L, B, P, Y levers only) |
| Construction Key Systems | 21-* | SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-) |
| | 22-* | SARGENT Construction Split Key System for Conventional Cylinders (existing systems only) (N/A with 10-, 11-, 63- or 73-) |
| Large Format Interchangeable Core (Removable Core) | 60-* | Lock to accept LFIC (removable core) and provided with disposable plastic core; LFIC permanent core ordered separately |
| | 63-* | Lock provided with LFIC (Removable Core) Cylinder — (Includes masterkeying, grand masterkeying) |
| | 64-* | Lock to accept LFIC (removable core) and provided with keyed construction core; LFIC permanent core ordered separately |
| Small Format Interchangeable Cores | 70-* | Lock to accept SFIC (6 or 7-pin, removable core) and provided with disposable plastic core; SFIC permanent core ordered separately (G, L, B, P, Y levers only) |
| | 72-* | Lock to accept SFIC (6 or 7-pin, removable core) and provided with keyed construction core; SFIC permanent core ordered separately (G, L, B, P, Y levers only) |
| | 73-* | Lock provided with SFIC (6-pin, removable core); Includes master keying, grand master keying (G, L, B, P, Y levers only) |
| | 73-7P-* | Lock provided with SFIC (7-pin, removable core); Includes master keying, grand master keying (G, L, B, P, Y levers only) |
| | 65-73-* | Lock provided with uncombined SFIC (6-pin, removable core); Packed loose (G, L, B, P, Y levers only) |
| | 65-73-7P-* | Lock provided with uncombined SFIC (7-pin, removable core); Packed loose (G, L, B, P, Y levers only) |
| Keso & Keso F1 | 80-* | Lock to accept Keso and Keso F1 cylinders — no cylinders provided (G, L, B, P, Y levers only) |
| | 82-* | Lock provided with SARGENT Keso Security Cylinder (G, L, B, P, Y levers only) |
| | F1-82-* | Lock provided with SARGENT Keso F1 Security Cylinder (Patented) (G, L, B, P, Y levers only) |
| Bump Resistant | BR- | Bump Resistant Cylinder (available with Conventional & Conventional XC Cylinders only) |
| Keyed Different | KD- | Cylinders provided keyed differently/random |
| Less Cylinder | LC- | Lock supplied less Cylinder |
| Schlage® Keyways | SC-* | Schlage® C keyway cylinder, 0 bitted |
| | SE-* | Schlage® E keyway cylinder, 0 bitted |
| Accepts Schlage® Cylinders | 30-* | Lever to accept Schlage® fixed core cylinder - cylinder is not provided |
| | SF-* | L lever to accept Schlage® large format interchangeable core (supplied less core, tailpiece included) |

* Options not available with 10G50

Notes:

- To order the 10 Line Lock for use with ASSA V-10 (VA & VS) cylinders, specify the Less Cylinder (LC-) option. V-10 cylinders are available from ASSA, Inc. @ 800-235-7482.
- 10 Line locks will be provided with the applicable tailpiece per the type interchangeable and/or removable core being used. For example standard cores and Degree® cores require different tailpieces. Appropriate option codes must be specified in accordance to the permanent core being used.

Finishes, Packaging

10 Line Cylindrical Lever Locks

Finishes

| SARGENT # | Descriptions | ANSI/BHMA |
|---|---|-----------|
| 03 | Polished brass, clear coated | 605 |
| 04 | Satin brass, clear coated | 606 |
| 09 | Polished bronze, clear coated | 611 |
| 10 | Satin bronze, clear coated | 612 |
| 10B | Oxidized bronze, oil rubbed | 613 |
| 10BE | Dark Oxidized Satin Bronze - equivalent | 613E |
| 10BL | Oxidized satin, bronze, clear coated | 613L |
| 14 | Polished nickel, clear coated | 618 |
| 15 | Satin nickel, clear coated | 619 |
| 20D | Statuary dark bronze, clear coated | 624 |
| 26 | Polished chrome | 625 |
| 26D | Satin chrome | 626 |
| BSP | Black suede powder coat | BSP |
| WSP | White suede powder coat | WSP |
| SG- Option | MicroShield® antimicrobial clear powder coat (only available with 15 and 26D finishes) | |
| <p>Zinc levers are plated to match ANSI/BHMA finish. Custom colors available, consult factory. Split finishes: - Specify outside finish first i.e. 10XG05 x LL x 26D x 03 x RH - Handing must be specified - Strike and latch front will match the following: RH & LH = inside finish RHR & LHR = outside finish</p> | | |

| Lock Finish | Cylinder/Core* |
|--------------------------------------|----------------|
| 03, 04, 09, 10, 10B, 10BE, 10BL, 20D | 04 |
| 14, 15, 26, 26D, WSP | 15 |
| BSP | BSP |

*Finish when cylinder provided with lock

Packaging

| |
|--------------------------|
| 28-10G05 x LL |
| 4.2 lbs/box (1.9 kg/box) |
| 10 boxes/case |

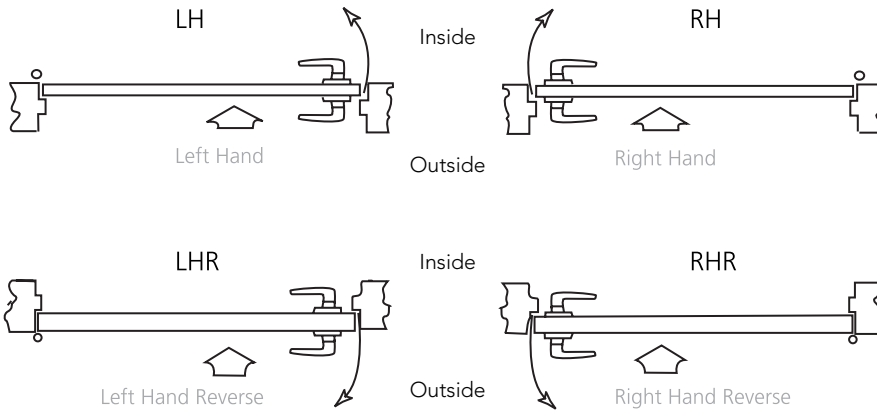
How to Order

10 Line Cylindrical Lever Locks

How to Order

| 5 | 10-RX-28- | 10G70 | 12VDC | G | Y | RH | 15 | Door 3 |
|------------------------------------|--|----------------------------|---|-----------------------|------------------------------------|------------------|--------------------------|---|
| Quantity | Options* | Lock & Function | Voltage | Rose | Lever | Hand | Finish | Additional Information |
| | Available Options Pg 13-14 (Note: 28- for 808 ANSI Strike) | Available Functions Pg 7-8 | 12VDC or 24VDC Required Information For 70 & 71 Functions | Available Roses G & L | Available Levers B, Y, J, L, P & G | RH, LH, RHR, LHR | Available Finishes Pg 15 | Such as Item, Heading Number, Door Number, Keyset |
| * Multiple options may be selected | | | | | | | | |

How to Specify Handing



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Architectural Specifications

10 Line Cylindrical Lever Locks

Suggested Architectural Specifications - 2.0 Cylindrical Locks

- A. Locks shall be 10 Line as manufactured by Sargent Manufacturing Company, New Haven, CT.
- B. Locks shall exceed the requirements of ANSI/BHMA A156.2 Series 4000, Grade 1 with all standard trims, as follows:
 - 1. Cycle Test: Exceeds 5 times ANSI/BHMA A156.2 Grade 1 requirements
 - 2. Abusive Locked Lever Torque — without entry gained: Exceeds 1.5 times ANSI/BHMA A156.2 Grade 1 requirements
- C. Locks shall be non-handed with bi-directional lever operation, except the "G" and "Y" lever designs.
- D. Through-bolt mounting shall be adaptable to fit a variety of standard cylindrical lock preps.
- E. Locks shall comply with UL 10C positive pressure requirements.
- F. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m) and pairs of doors 8'0" (2.4m) x 10'0" (3.0m).
- G. Lock levers shall be made of solid material.
- H. Lock shall be available in a minimum of six different lever designs.
- I. Locks shall have a 2-3/4" (70mm) backset standard.
- J. Strikes shall be non-handed with a curved lip. Provide wrought boxes with strikes.
- K. Locks shall have brass 6-Pin cylinder standard.
- L. Provide two nickel silver keys with each lock.
- J. Locks shall have a seven year limited warranty.

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Spacia® Collection

Style: Stone

| | | | |
|---------------------------|------------------------------------|---------------------|---|
| Construction..... | LVT with Micro-beveled Edges | Sustainability..... | EPD & HPD Verified, FloorScore, mindful MATERIALS |
| Size..... | 12" x 18" 18" x 18" 36" x 36" | Carbon Offset..... | 105% (Cradle to Gate (A1 - A3); 2.5 mm-5.72kg CO2e/yd2) |
| Total Thickness..... | 0.098" (2.5 mm) & 0.1575" (4.0 mm) | Warranty..... | Limited 15-Year Commercial, Limited 15-Year Quantum Guard Elite® Wear |
| Wear Layer Thickness..... | 20 mil (0.51 mm) | Price..... | \$\$ |
| Wear Layer..... | Quantum Guard Elite® | | |

LVT

Spacia® Collection Continued

Style: Stone

COLOR SELECTION TBD - PROVIDE SAMPLES
FOR ARCHITECT / OWNER SELECTIONS



Bias Travertine Oyster
SS5S3595



Black Marble
SS5S2621



Botticino Grey
SS5S3598



Ceramic Dark
SS5S3566



Ceramic Ecrú
SS5S3592



Ceramic Flint
SS5S2594



Ceramic Light
SS5S1565



Ceramic Sable
SS5S3593



Dry Stone Alba
SS5S4401



Dry Stone Cinder
SS5S4433



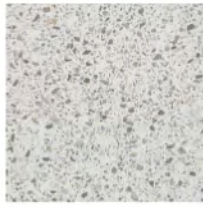
Dry Stone Loam
SS5S4434



Fairford Stone
SS5S1595



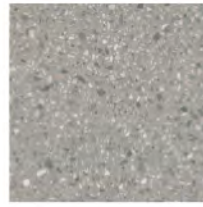
Gallery Concrete
SS5S3071



Gibson
SS5S2603



Jet
SS5S3074



Julep
SS5S2606



Kingham Stone
SS5S1594



Lichen
SS5S2629



Linear Stone Shale
SS5S3606



Mist
SS5S3073



Monument Concrete
SS5S3072



Noche Travertine
SS5S4590



Ocean Travertine
SS5S3600



Pale Grey Slate
SS5S3601



Peak
SS5S2633



Plaza Concrete
SS5S3070



Sea
SS5S2631



White Marble
SS5S2618



POLY-CRETE

Resinous Flooring
Systems



DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

ROADSIDE 2.0
PROJECT MANUAL



POLY-CRETE® HIGH PERFORMANCE POLYURETHANES

Poly-Crete, Dur-A-Flex's cementitious urethane, is the most robust product family for resinous flooring systems. It is designed for excellent adhesion and wear resistance, is durable, long lasting, and features an excellent life cycle cost. These seamless flooring systems eliminate places for bacteria and germs to harbor and are easy to clean and sanitize.

Poly-Crete was originally developed to meet the challenging needs of food and beverage facilities, but quickly became the go-to flooring solution for warehouses, manufacturing, commercial kitchens, high traffic areas, and more.

COMMITMENT TO TRANSPARENCY

Dur-A-Flex recognizes the need to be at the forefront in developing products that contribute to sustainability.

All Poly-Crete systems:

- Low VOCs
- CA 01350 compliant
- Eligible for LEED® credits
- Included in mindfulMaterials database

CHEMICAL RESISTANT

Poly-Crete systems offer non-porous, impervious surfaces that provide outstanding resistance to chemical attacks. Poly-Crete should be considered in environments subject to chemical spillage, and rigorous cleaning schedules. An additional advantage of Poly-Crete floors is they do not support bacterial growth.

SLIP RESISTANT

All Poly-Crete systems provide standard levels of slip resistance. In wet processing or areas subject to spillage, individual formulations can be specified for added slip resistance to increase safety.

THERMAL SHOCK RESISTANT

Wide temperature swings occurring in a short period of time like hot water discharges from boilers, kitchen equipment, or steam cleaning can have adverse effect on the adhesion of synthetic flooring materials. By having a coefficient of thermal expansion similar to concrete substrates, Poly-Crete systems can reduce these risks.



POLY-CRETE HF

Heavy Duty Floor System

1/4" to 3/8" thickness

- Monolithic - one step installation
- Highest thermal shock resistance
- Withstands pressure/steam cleaning
- Solid color, matte finish

POLY-CRETE MDB

Medium Duty Floor System

3/16" to 1/4" thickness

- Solid color and decorative options
- Smooth and textured surface options
- Excellent thermal shock resistance
- Multiple finish options

POLY-CRETE SLB

Self Leveling Broadcast Floor System

3/16" thickness

- Light to medium duty applications
- Multiple finish options

POLY-CRETE COLOR-FAST

Performance Topcoat Finish

- Semi-gloss finish
- UV stable - no fading
- Excellent chemical and stain resistance
- Medium to heavy duty applications

POLY-CRETE TF PLUS

Performance Topcoat Finish

- Matte finish
- Excellent chemical resistance
- Medium to heavy duty applications

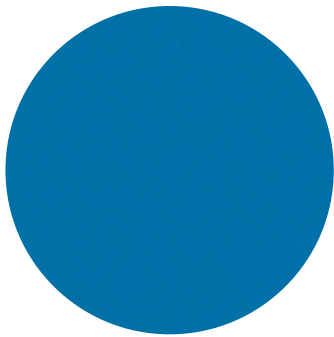
POLY-CRETE WR & TF COVE

Cove and Wall Coatings

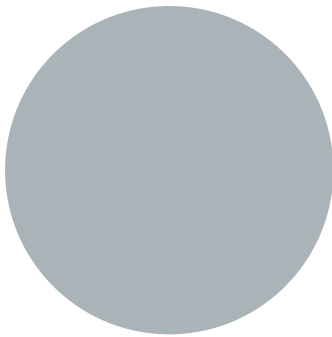
- Use with all Poly-Crete flooring systems for wall and cove applications
- Creates a seamless transition between the floor and wall



Poly-Crete Colors



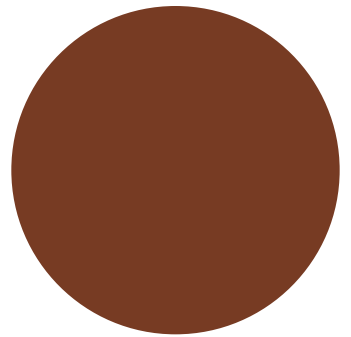
BLUE*



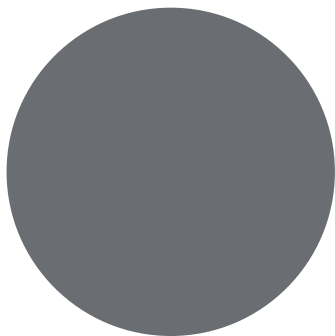
GREY



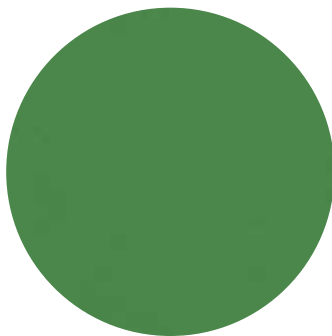
CHARCOAL



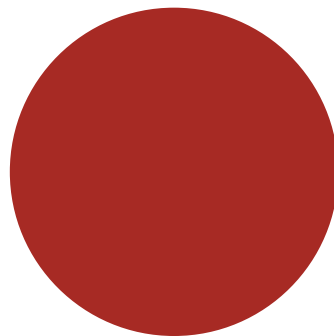
CHESTNUT



DARK GREY



GREEN*



RED

COLOR TBD

Poly-Crete MD, MDB, SLB, HF systems, and Poly-Crete TF Plus topcoat all feature a matte finish. Poly-Crete Color-Fast topcoat features a semi-gloss finish and UV stability for color retention.

*Poly-Crete Color-Fast in these colors requires a grout coat of Poly-Crete TF Plus to ensure consistent color.

NOTE: Differences in chemical composition, thickness, application methods, and jobsite conditions may cause slight variations of the individual colors across the various products. Colors may also be affected by age, heat, and exposure to ultraviolet light from natural sunlight and overhead lighting (non-UV stable products). Dur-A-Flex recommends obtaining an actual color sample for best representation.

POLY-CRETE MDB

DESCRIPTION

POLY-CRETE MDB is a 100% solids aromatic cementitious urethane system with a broadcast aggregate. This system is typically installed at a nominal ¼ inch thickness. POLY-CRETE MDB uses a natural quartz aggregate. A topcoat of DUR-A-FLEX epoxy, urethane or methyl methacrylate is applied depending on performance requirements.

BENEFITS

- VOC Compliant
- CA 01350 Air Quality Compliant
- ADA Compliant
- Leed Credit Points Available
- Meets USDA, FDA and CFIA Standards
- National Floor Safety Institute (NFSI) Certified
- Hygienic - Does Not Harbor Bacteria
- High Chemical Resistance
- High Abrasion Resistance
- No priming required
- Wide Service Temperature Range, -100 to 220 F
- Can Be Applied To 7-14 Day Old Concrete

LIMITATIONS

This product is best suited for application in temperatures between 60°F and 85°F. Substrate must be clean, sound and dry.

TYPICAL USES

POLY-CRETE MDB is designed to protect concrete, polymer reinforced screeds, and water resistant plywood from chemical attack, corrosion, impact and thermal shock. It is also unaffected by freeze/thaw cycles.

- Aesthetic Considerations
- Wet Areas
- Commercial Kitchens and Restaurants
- Meat/Poultry and Dairy Processing
- Pharmaceutical Plants
- Processing Areas
- Exterior Applications

COLORS

Refer to the Color Selection Chart's wide range of standard colors; special color matches may be available.

PACKAGING/STORAGE

POLY-CRETE MD is available in pre-measured kits that cover 32 sq.ft. at 3/16 inch for ¼ inch finished thickness after broadcast. POLY-CRETE MDB must be stored dry. Do not use partial bags of aggregate. Do not allow resins to freeze. Every POLY-CRETE product will be shipped with a lot number on the label. The first two digits indicate the year; the second two show the month, the third two will be the day. The shelf life is 6 months from the date on the label in the original unopened container.

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Surface must be profiled, clean, dry, oil free and sound. It is recommended that the perimeter edges of the floor area and doorways be keyed to produce a cross section ¼ inch deep by ¼ inch wide running at 6 inches away from and parallel to doorways, drains and walls. Please refer to the master Surface Preparation Guide on our website for more information.

APPLICATION METHOD

POLY-CRETE MDB should be applied to a properly prepared area at the required thickness using a steel bladed trowel, pin-rake, "V"-notched trowel or cam rake. The freshly placed material is then spike rolled into which the proper size quartz aggregate is broadcast to excess. Allow a minimum of 8 hours for the Base Coat to cure before sweeping, sanding or vacuuming. Apply the desired pigmented coat(s) to achieve the required finish. Use T.C. aggregates for better flow and leveling performance. POLY-CRETE COLOR-FAST or POLY-CRETE TF PLUS may be used to topcoat POLY-CRETE MDB systems. DUR-A-GLAZE NOVOLAC is also appropriate to use as a topcoat for POLY-CRETE MDB systems. **Refer to Poly-Crete MDB Application Instructions.**

GUIDE SPECIFICATIONS

This product is part of the DUR-A-FLEX family of polymer systems. Please contact DUR-A-FLEX for complete three part guide specs.

DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please refer to the master Drawings and Details guide for actual drawings.

JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

MOISTURE CONCERNS

Normal limits for moisture vapor transmission for Poly-Crete floor systems are 20 lbs./1,000 sq. ft./24 hour using the calcium chloride test per ASTM F-1869 or 99% relative humidity using in-situ Relative Humidity Testing per ASTM F-2170. Please refer to the Floor Evaluation Guidelines at www.dur-a-flex.com for complete details.

CHEMICAL RESISTANCE

Excellent resistance to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvents.

CLEANING

Regular scrubbing will maintain these systems in serviceable condition. However, certain textures and service environments require specific procedures. Please refer to the master Cleaning Guide on our website for more information.

| | Poly-Crete COLOR-FAST | DUR-A-GLAZE NOVOLAC | SHOP FLOOR w/ ARMOR TOP | POLY-CRETE TF PLUS |
|-------------------------------|---|--|--|--|
| Cure Time @ 70°F Full Service | 3 Days | 24 hours | See application instructions | 3-5 Days |
| Mix Ratio (by volume) | 3 Component Kit | 1 part hardener, 2 parts resin | See application instructions | 3 Component kit |
| Working time @ 70°F | 20 minutes | 30 minutes | See application instructions | 15 minutes |
| Adhesion to Concrete | > 400 psi, concrete fails before loss of bond | >400 psi, concrete fails before loss of bond | >400 psi, concrete fails before loss of bond | >400 psi, concrete fails before loss of bond |
| Heat Resistance Limit | 220°F | 250°F | 200°F | 220°F |
| Available Colors | Blue, Green, Charcoal, Grey, Dark Grey, Red, Chestnut | Medium Grey, Tile Red, Charcoal Grey, Slate Grey, Concrete Grey, Clear | See standard color chart | See Poly-Crete standard color chart |

| Physical Property | Test Method | Poly-Crete COLOR-FAST | DUR-A-GLAZE NOVOLAC | SHOP FLOOR w/ ARMOR TOP | POLY-CRETE TF PLUS |
|---|--------------------|------------------------------|----------------------------|--|---------------------------|
| Hardness (Shore D) | ASTM D-2240 | 65 D | 86-90 D | 75-80 D | 85 D |
| Compressive Strength | ASTM C-579 | 7,800 psi | 14,000 psi | 12,500 psi | 7,250 psi |
| Tensile Strength | ASTM D-638 | 4,200 psi | 2,500 psi | 4,000 psi | 750 psi |
| Impact Resistance | ASTM D-3134 | Pass | Pass | Pass | Pass |
| Flexural Strength | ASTM D-790 | 5,076 psi | 5,500 psi | 6,250 psi | 4,400 psi |
| Abrasion Resistance CS-17 Wheel 1000 GM Load 1,000 Cycles | | ASTM D-4060 30 mg loss | ASTM D-1044 75 mg loss | ASTM D-4060 4 mg loss (gloss finish, with grit) | ASTM D-4060 50 mg loss |
| Static Coefficient of Friction* | ANSI B101.1 | >0.6 | >0.6 | >0.6 | >0.6 |
| Dynamic Coefficient of Friction - Wet* | ANSI A326.3 | >0.42 | >0.42 | >0.42 | >0.42 |
| VOC Content | | 0 g/L | 0 g/L | 0 g/L | 0 g/L |
| Indoor Air Quality | | CA 01350 Compliant | CA 01350 Compliant | CA 01350 Compliant | CA 01350 Compliant |
| Water Absorption | ASTM D-570 | 0.04% | 0.05% | 0.04% | 0.04% |

*Dur-A-Flex flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation. Contact your Dur-A-Flex territory sales manager or tech representative for more information on alternative textures, grit/grip additives, or smooth coatings for your specific environment. A sample should always be obtained and tested prior to purchase for any non-slip flooring system.

IMPORTANT!

Before using DUR-A-FLEX products, read and understand its accompanying Safety Data Sheet & Application Instructions for important safety information.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT DUR-A-FLEX.COM FOR ¹

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Standard FRP

Smooth & Pebbled



**Stain
Resistant**



**Impact
Resistant**



**Water
Resistant**



**Scratch
Resistant**



**Fire
Rated**

What is Fiberglass Reinforced Plastic (FRP)?

FRP is a homogeneous mixture of fiberglass, calcium carbonate, and resin. Available in pebble textured and smooth surfaces, FRP provides great durability for high wear and even moist environments. It's economical to install, easy to maintain and a breeze to sanitize over and over again.



Panel Information

FRP Panel Sizes

Class C Fire-rated:

Standard Panel Sizes - 4' x 8'
4' x 9" (select finishes)
4' x 10'
4' x 12' (P100 White Only)

Panel Thickness - 3/32" or .090" (nominal)

Class A Fire-rated:

Standard Panel Sizes - 4' x 8'

4' x 9" (P100 White Only)
4' x 10'

Panel Thickness - 3/32" or .090" (nominal)

FRP Ceiling Panels

FRP P100CP White

Size - 2' x 4' x .090" (Class C)

2' x 2' x .090" (Class C, Class A)

FRP P100CP w/Gypsum

Size - 2' x 4' x 23/32" (Class A)
.090" FRP laminated to 5/8"
fire-rated Gypsum



Marlite Standard FRP is GREENGUARD Children & Schools Certified for low chemical emissions.

Finishes

Pebbled (*available in 4' x 9' x 3/32")



P 100 White
Class C*
Class A*

P 199 Bright White
Class C*
Class A

P 118 Natural Almond
Class C*
Class A

P 145 Silver
Class C*
Class A

P 106 Beige
Class C
Class A



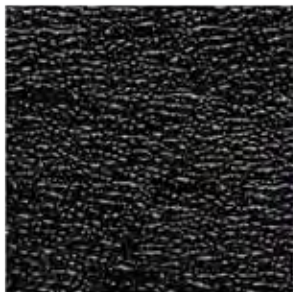
P 140 Ivory
Class C*
Class A

P 440N Biscuit
Class C

P 151 Light Grey
Class C*
Class A

P 430N Medium Grey
Class C

P 470N Dark Grey
Class C



P 807 Black
Class C

Approved by Canadian Food Inspection Agency and Agriculture Canada.

Meets USDA/FSIS requirements.



Smooth



S 100 S/2/S White
Class C
Class A

S 100G White
Class C
Class A

S 118G Almond
Class C

S 807N Smooth Black
Class C

S 490N Light Grey
ROADSIDE 2.0
PROJECT MANUAL

Trim Options

Anodized Aluminum Trim



Inside Corner A550 Outside Corner A560 Division A565 Edge A570

PVC Trim



Outside Corner M360 Inside Corner M350 Edge M370 Division M365



Inside Corner V177 135° Outside Corner V179 135°

Moldings & Guards



PVC Base Molding
4" wide x 10' long



Outside Corner
M660



Inside Corner
M651



End Caps
M625 RH
M620 LH



PVC Outside
Corner Guard
M961



Stainless
Corner Guard
F560SS



Base Cove
V65 3"



Butt-Joint
Connector
-Included with
Base Molding
Strips

Installation



FRP Panels
can be easily
cut with a
table saw.



Apply Marlite
Brand Adhesive
to the back of
panels and apply
to a subwall.



Adhere panel
to subwall.



Slide division
molding under
edge of
first panel.



Staple division
molding to
subwall along
resealed edge.



Adhere second
panel in place
and repeat.

Installation with Seam Joint



Sealants
(10 oz. Cartridge)
MS-250 Clear
MS-251 White
Color Matched

Adhesives
(3.5 gallon cans)
C-915 Adhesive
Adv Polymer Adhesive
C-551 Adhesive



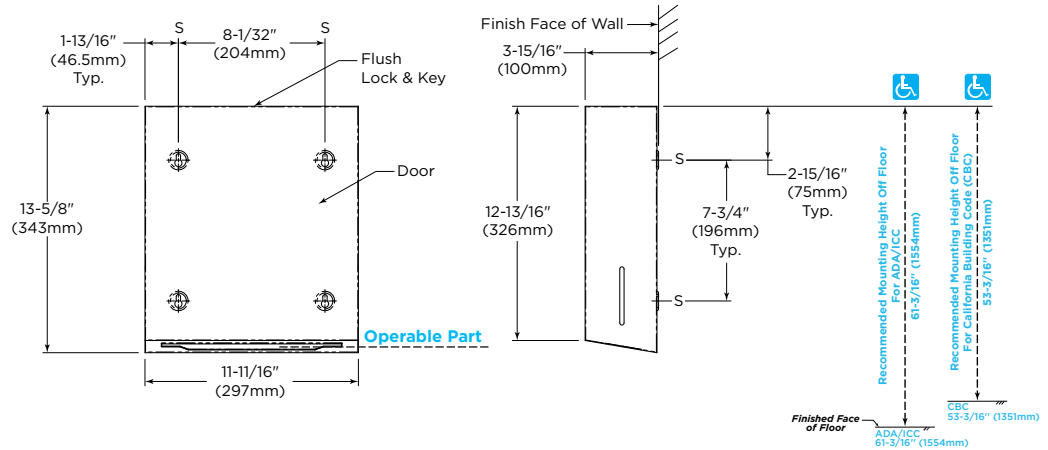
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ROADSIDE 2.0 PROJECT MANUAL

www.marlite.com
800.377.1221

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Specify Finish Required

- Stainless Steel, Satin Finish
 Matte Black Finish, please use model no. B-9262.MBLK



ADA/CBC Installation Guidance

***Operable Part:** Paper towel dispenser opening on the bottom of the cabinet.

Maximum mounting height of Operable Part:

ADA/ICC: 48" (1220mm) above finished floor (AFF)
CBC: 40" (1015mm) above finished floor (AFF)

*For more information regarding operable parts, please refer to Bobrick Planning Guide for Accessible Restrooms, page 9.

MATERIALS:

Cabinet — Unit is of type 304 gauge, 18 gauge (1,2mm) stainless steel. All heliarc welded construction with well defined edges and corners. Cabinet is connected to backplate via a hinge at the unit's rear bottom, which prevents paper towels from falling out when opening. Cabinet-swing-limiter allows cabinet to open down to a horizontal position, which eases refill of paper towels and prevents cabinet from harming the wall when opening. Integrated TowelMate®. Equipped with a tumbler lock keyed like other Bobrick washroom accessories. Lock is on top of unit and flush with the surface - no protrusion. Unit shall be capable of dispensing 400 C-fold or 525 multifold paper towels 2-1/2" to 3-13/16" (64-97mm) deep.

Backplate — Has recessed key lock mounting holes to prevent mounting screw heads from snapping towels 18-8, type-304, 18 gauge (1.2mm).

TowelMate® — part no. 262-130. Module, Type 304, 24-gauge (0.6mm) stainless steel. Black, 3/8" (10mm) diameter Nylon 6/6 Rod fastened to Module with two stainless steel sheet metal screws.

OPERATION:

Unit dispenses C-fold or multifold paper towels 2-1/2" to 3-13/16" (64-97mm) deep without adjustment or use of adapters. After unlocking with key provided, cabinet swings down for loading paper towels into cabinet. Load paper onto the TowelMate within the cabinet, and then pull one sheet of paper towel over the TowelMate towel rod and out to conceal rod and start dispense. Slots in sides of cabinet indicate refill time. After unlocking with key provided, cabinet swings down for loading paper towels into cabinet.

INSTALLATION:

Mount unit on wall with four #10 x 1-1/4" sheet-metal mounting screws (not furnished) at points indicated by an S. For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure unit with sheet-metal screws. For other wall surfaces, provide fiber plugs or expansion shields for use with sheet-metal screws, or provide 1/8" (3mm) toggle bolts or expansion bolts.

SPECIFICATION:

Unit is of type 304 gauge (1,2mm) stainless steel. All heliarc welded construction with well defined edges and corners. Cabinet is connected to backplate via a hinge at the unit's rear bottom, which prevents paper towels from falling out when opening. Door-limiter allows cabinet to open down to a horizontal position, which eases refill of paper towels and prevents cabinet from harming the wall when opening. Integrated TowelMate. Backplate has recessed key lock mounting holes to prevent mounting screw heads from snapping towels. Unit shall be capable of dispensing 400 C-fold or 525 multifold paper towels 2-1/2" to 3-13/16" (64-97mm) deep without adjustment or use of adapters.

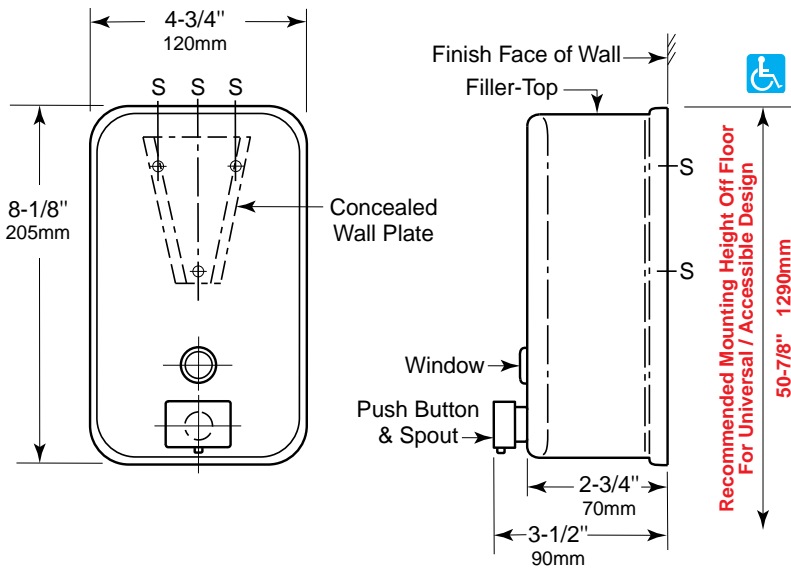
Surface-Mounted Paper Towel Dispenser shall be Model B-9262 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.



Technical Data

ClassicSeries® SURFACE-MOUNTED SOAP DISPENSER

B-2111



MATERIALS:

Container — 18-8, Type-304, 22-gauge (0.8mm) stainless steel with satin-finish. Body is drawn, one-piece, seamless construction. Back plate has mounting bracket attached. Furnished with concealed wall plate. Equipped with a clear acrylic refill-indicator window and a locked, hinged stainless steel lid for top filling. Capacity: 40-fl oz (1.2-L).

Valve — Black molded plastic push button and spout. Soap head-holding mushroom valve. Stainless steel spring. U-packing seal and duckbill. Antibacterial-soap-resistant plastic cylinder.

OPERATION:

Corrosion-resistant valve dispenses commercially marketed all-purpose hand soaps. To prevent corrosion of the tank, use only chloride-free pH-neutral liquid soaps. Valve is operable with one hand, without tight grasping, pinching, or twisting of the wrist, and with less than 5 pounds of force (22.2 N) to comply with accessible design guidelines (including ADAAG in the U.S.A.). Window indicates when refill is required. The locked, hinged lid opens for top filling only with special key provided. Concealed, vandal-resistant mounting.

INSTALLATION:

Secure wall plate to the wall with three sheet-metal screws, furnished by manufacturer, at points indicated by an S. Slide mounting bracket of container down onto wall plate and secure unit with furnished locking-screw. For plaster or dry wall construction, provide concealed backing to comply with local building codes and secure with sheet-metal screws furnished. For other wall surfaces, provide fiber plugs or expansion shields for use with sheet-metal screws furnished, or provide 1/8" (3mm) toggle bolts or expansion bolts.

Note: Surface-mount the dispenser plumb and true with valve 6" (150mm) to right or left of lavatory center. Provide 4" (100mm) minimum clearance from the lid to the underside of any horizontal projection. Push buttons should be located 44" (1120mm) maximum above the finish floor.

SPECIFICATION:

Surface-mounted soap dispenser shall be Type-304 stainless steel with satin-finish. Corrosion-resistant valve shall dispense commercially marketed all-purpose hand soaps, non-iodine based soaps and do not use alcohol based sanitisers. To prevent corrosion of the tank, use only chloride-free pH-neutral liquid soaps. Valve shall be operable with one hand and with less than 5 pounds of force (22.2 N) to comply with accessible design guidelines (including ADAAG in the U.S.A.). Container shall be equipped with a clear acrylic refill-indicator window; a locked, hinged stainless steel lid for top filling; and shall have a capacity of 40-fl oz (1.2-L). Unit shall have concealed, vandal-resistant mounting.

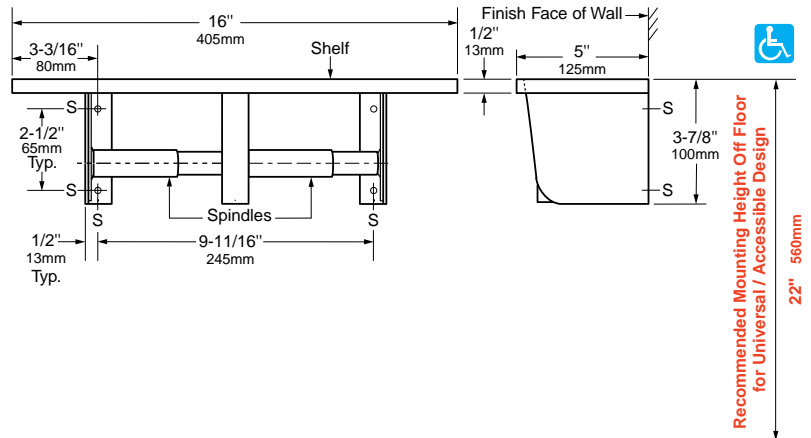
Surface-Mounted Soap Dispenser shall be Model B-2111 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.



Technical Data

SURFACE-MOUNTED TOILET TISSUE DISPENSER AND UTILITY SHELF

B-2840



MATERIALS:

Shelf — 18-8, type-304, 20-gauge (1.0mm) stainless steel with satin finish. 1/2" (13mm) return edges for maximum rigidity. Front edge is hemmed for safety.

Mounting Brackets — 18-8, type-304, 18-gauge (1.2mm) stainless steel with satin finish. Welded to shelf.

Toilet Tissue Dispensers (2) — Support brackets are 18-8, type-304, 18-gauge (1.2mm) stainless steel with satin finish. Equipped with two chrome-plated plastic spindles, each with a heavy-duty internal spring.

OPERATION:

Close clearance of support brackets deters removal of toilet tissue rolls until they are depleted. Unit holds two standard-core toilet tissue rolls up to 5-1/2" (140mm) diameter (1800 sheets).

Designer's Note: It is recommended that one full toilet tissue roll remain wrapped or taped until the other roll has been depleted to avoid wasting the ends of both rolls.

INSTALLATION:

Mount unit on wall or partition with four #7 x 1-1/2" (3.8 x 38mm) sheet-metal screws (not furnished) at points indicated by an S.

For partitions with particle-board or other solid core, provide sheet-metal screws or through-bolts, nuts, and washers.

For hollow-core metal partitions, provide solid backing into which sheet-metal screws can be secured. If two units are installed back-to-back, then provide threaded sleeves and machine screws for the full thickness of partition.

For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure unit with #7 x 1-1/2" (3.8 x 38mm) or longer sheet-metal screws.

For other wall surfaces, provide #7 x 1-1/2" (3.8 x 38mm) sheet-metal screws and fiber plugs or expansion shields, or provide 1/8" (3mm) toggle bolts or expansion bolts.

SPECIFICATION:

Surface-mounted toilet tissue dispenser and utility shelf shall be type-304 stainless steel with satin finish. Shelf shall have 1/2" (13mm) return edges with front edge hemmed for safe handling. *Spindles shall be chrome-plated plastic with heavy-duty internal spring and shall hold standard-core toilet tissue rolls up to 5-1/2" (140mm) diameter (1800 sheets).

**Theft-resistant spindle (part No. 283-604) available as a replacement part.*

Surface-Mounted Toilet Tissue Dispenser And Utility Shelf shall be Model B-2840 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.



Technical Data

GLASS MIRROR WITH STAINLESS STEEL ANGLE FRAME

B-290 SERIES



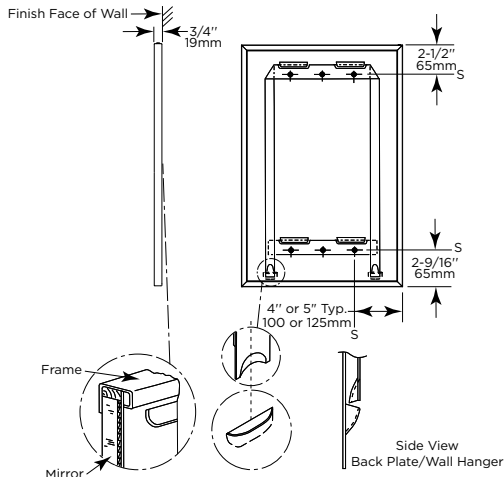
Specify Finish Required Satin Finish
 Matte Black Finish, add suffix ".MBLK" to model number, see table below.

Designer's Notes:

1. Special-order sizes available on request.
2. Maximum size one-piece angle-frame mirror, 144" x 52" (366 x 132cm); minimum size, 12" x 12" (30 x 30cm).
3. All Bobrick framed mirrors are manufactured to overall width and height dimensions. EXAMPLE: A 24" x 36" (61 x 91cm) mirror will be furnished 24" x 36" (61 x 91cm) outside-of-frame to outside-of-frame.
4. To specify special sizes use Series Number followed by width then height in inches. EXAMPLE: B-290 2024.
5. Bobrick framed mirrors are manufactured to a tolerance $\pm 1/8"$ (3.2mm).
6. For sufficient space to lift mirror onto wall hanger(s), provide 3-1/4" (85mm) for Snap Locking Design; 5-3/8" (137mm) for "2S" Tab Design minimum clearance above center line of mounting screw holes.
7. Provide 1" (25mm) minimum clearance at bottom of mirror for unlocking mirror from wall and 1/2" (12.7mm) clearance on each side.

Snap Locking Design (Rear View)

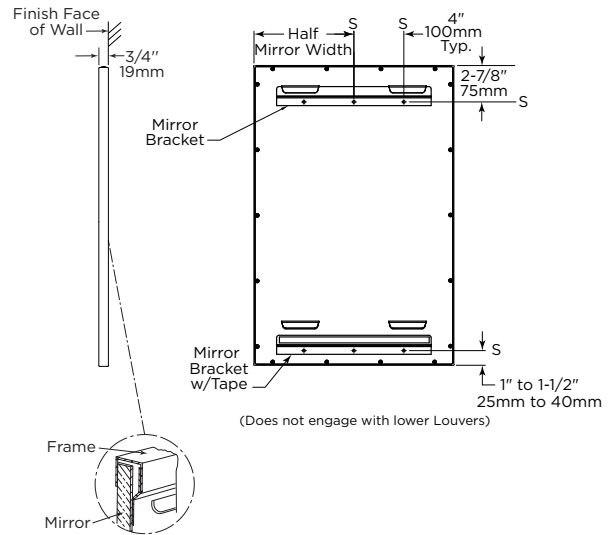
Figure: 1



"2S" Tab Design (Rear View)

- for all other mirrors up to a width of 36"

Figure: 2



STANDARD B-290 SERIES MIRRORS

| SATIN FINSH MODEL NO. | MATTE BLACK FINISH MODEL NO. | OVERALL SIZE | |
|-----------------------|------------------------------|--------------|-------------|
| | | W | H |
| B-290 1830 | B-290 1830.MBLK | 18" (46cm) | 30" (76cm) |
| B-290 1836 | B-290 1836.MBLK | 18" (46cm) | 36" (91cm) |
| B-290 2430 | B-290 2430.MBLK | 24" (61cm) | 30" (76cm) |
| B-290 2436 | B-290 2436.MBLK | 24" (61cm) | 36" (91cm) |
| B-290 2448 | B-290 2448.MBLK | 24" (61cm) | 48" (122cm) |
| B-290 2460 | B-290 2460.MBLK | 24" (61cm) | 60" (152cm) |
| B-290 2472 | B-290 2472.MBLK | 24" (61cm) | 72" (183cm) |

Note: Mirrors greater than 36" in width will have multiple hanger brackets with a typical 8" off each edge.

MATERIALS:

Frame — 18-8, heavy-gauge stainless steel, 3/4" x 3/4" (19 x 19mm) angle with satin finish. One-piece, roll-formed construction forms continuous integral stiffener on all sides. Bevel design on front of angle holds frame tightly against mirror. Corners of mirror frame are heliarc welded, ground and polish smooth. Galvanized steel back is fastened to frame with concealed screws and equipped with integral horizontal hanging brackets near the top and bottom of the mirror for hanging the mirror and to prevent the mirror from pulling away from the wall.

continued . . .

Mirror — No. 1 quality, 1/4" (6mm) select float glass (standard glass): selected for silvering, electrolytically copper-plated by the galvanic process, and guaranteed for 15 years against silver spoilage. All edges protected by plastic filler strips; back is protected by full-size, shock-absorbing, water-resistant, nonabrasive, 3/16" (5mm) thick polyethylene padding.

Concealed Wall Hanger — For snap locking design: Heavy gauge steel construction. Incorporates upper and lower members, which engage backplate louvers to keep mirror against the wall. For "2S"-Tab design: Incorporates upper bracket engaging in upper louver and double sided tape below the bottom louver securing mirror to concealed wall hanger.

INSTALLATION:

Mount wall hanger on wall with screws (not furnished) at points indicated by an S. For plaster or dry wall construction, provide backing to comply with local building codes, then secure wall hanger with screws (not furnished). When providing a concealed backing, allow backing to cover range of mounting hole locations shown on drawing. For other wall surfaces, provide fiber plugs or expansion shields for use with screws (not furnished), or provide 1/8" (3mm) toggle bolts or expansion bolts.

Snap Locking Design: Hang mirror on wall hanger with all four backplate louvers engaged behind horizontal wall hanger members. To do this, mirror must be centered in front of the wall hanger horizontally, pressed flat against the wall approximately 1" (25mm) above final position and then lowered into final position.

"2S" Tab Design: Comprises of two brackets, while the bottom one is furnished with double side tape. Bottom hanger bracket's mounting holes must be 1" - 1 1/2" above mirror's bottom edge. Note: Bottom hanger bracket is not supposed to engage with louvers of mirror's backplate. Hang mirror on wall top hanger bracket with the top two louvers engaged behind top wall hanger bracket. To do this, mirror must be centered in front of the wall hanger horizontally, pressed only at the top against the wall approx. 1" (25mm) above final position and then lowered into final position. When lowering, pull mirror's bottom edge off the wall by preventing bottom bracket from engaging. Once lowered, mirror must be pressed against wall to engage with double sided tape of lower wall hanger bracket.

Snap Locking Design — Locking devices automatically secure mirror to concealed wall hanger when it is lowered into final position (see figure 3). Locking devices may be unlocked by inserting two flat blade screwdrivers behind each side of mirror near the bottom or under the bottom of the mirror and pulling mirror bottom forward and then up.

"2S" Tab Design — Double-sided tape secures mirror to concealed wall hanger by pressing mirror against double sided tape of lower hanger once it is lowered into final position (see figure 4).

**Snap Locking Design
(Front View)**

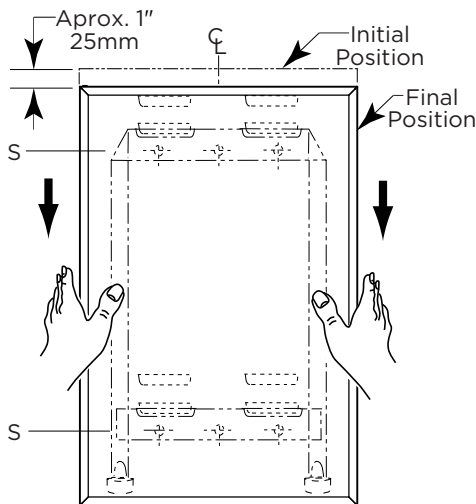


Figure: 3

**"2S" Tab Design- Up to 36" Width
(Front View)**

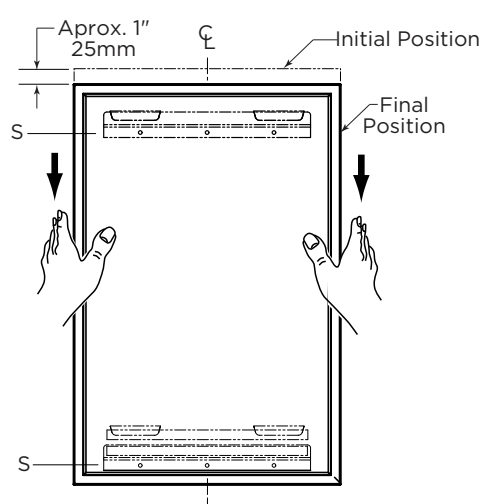


Figure: 4

SPECIFICATION:

Mirror shall have a one-piece, stainless steel angle frame, 3/4" x 3/4" (19 x 19mm) with continuous integral stiffener on all sides and beveled front to hold frame tightly against mirror; corners shall be heliarc welded, ground, and polished smooth; all exposed surfaces shall have satin finish. Reflective surfaces shall be guaranteed for 15 years against silver spoilage. All edges shall be protected by plastic filler strips and the back shall be protected by full-size, shock-absorbing, water-resistant, nonabrasive, 3/16" (5mm) thick polyethylene padding. Galvanized steel back shall have integral horizontal hanging brackets located at top and bottom for mounting on concealed wall hanger and to prevent the mirror from pulling away from the wall.

Framed Mirror shall be Model B-290 _____ (insert width and height) of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

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DYNASTY™

Walk-in Coolers and Freezers



Providing walk-in refrigeration with the industry's longest lasting and most energy efficient insulation!

INNOVATION AND EXCELLENCE SINCE 1985

DYNASTY WALK-IN STANDARD FEATURES

Listening to our customers is what we do best. They have inspired us, our engineering and manufacturing teams to design, refine and build walk-ins that meet their highest expectations, while delivering them in a competitive timeframe. Our panel raw materials and hardware components are of the finest quality in the industry. We can build a walk-in refrigeration system that meets the most demanding customer requirements, and provide piece-of-mind that your investment will last a lifetime.

PANELS AND INSULATION

PANEL CONSTRUCTION



Modular Panel Construction

Dynasty modular wall, floor and ceiling panels are fabricated in our plant using state-of-the-art robotic manufacturing and assembly processes; for precise fit, easy assembly and long life. Dynasty panels are 4" thick and manufactured with 100% uniform AK-XPS4 rigid foam. That insulation is permanently bonded to primed metal surfaces, to form a non-deteriorating structurally-rigid panel.

Dynasty panel assembly is accomplished with a time-tested, corrosion resistant cam action locking system, and a factory installed NSF compliant compression gasket, to form rigid, airtight joints.



Airtight Joints

STANDARD PANEL FINISH



Acrylume® Stucco Embossed Finish

Dynasty wall and ceiling panel interiors and exteriors are laminated with 26-gauge zinc-aluminum (Acrylume®) coated steel, which is stucco embossed and coated with corrosion resistant acrylic paint.

INSULATION PERFORMANCE CHARACTERISTICS



Long-Life Extruded Polystyrene Foam

AK-XPS4 rigid foam is a closed cell, void-free hydrophobic (water-resistant) material that maintains the highest possible R-value over time, to ensure long term energy efficiency. AK-XPS4 meets and exceeds the EISA Energy Independence & Security Act of 2007 with R-29 value for Coolers and R-32 value for Freezers. Our AK-XPS4 insulation is backed by The Dow Chemical Company with a 50 year thermal warranty.



STANDARD FLOOR



Strong Floor Construction

Dynasty floor panels are also 4" thick and manufactured using heavy gauge smooth aluminum, rated to support 600 pounds per-square-foot of uniformly distributed floor load. They include a 1/2"-radius cove along the interior perimeter, to make cleaning easier. Floorless walk-ins are provided with NSF approved floor screeds, to sit flat on an existing leveled floor.

MORE DYNASTY WALK-IN STANDARD FEATURES

The Dynasty walk-in standard height is 7'-7" with floor; or 7'-2 1/4" without a floor. Custom panels are available in 1" increments to meet customer space and floorplan requirements. The AmeriKooler and Bohn refrigeration system lineup includes: Indoor and Outdoor Remote and Self-contained packages, as well as a variety of energy monitoring control systems. All are backed by reliable service support from Heatcraft Refrigeration Products.

STANDARD DOOR CONSTRUCTION

FLUSH DOOR HARDWARE



Spring Assisted Hinges



Door Closer



Keyed Locking Door Handle

Standard door sizes are: 36", 30" or 26" wide, all with a 76" high clear opening. Doors are constructed with 4" thick AK-XPS4 rigid foam insulation and finished with 26-gauge zinc-aluminum (Acrylume®) coated steel, which is stucco embossed and coated with corrosion resistant acrylic paint.

Each door includes: two heavy duty, super cam-rise spring-assisted hinges; a heavy pull handle with key lock and inside safety release; and a door closer is provided for extra positive smooth closing. To ensure a positive seal, the door includes a three sided magnetic gasket and a flexible double wiper at the bottom edge of the door.

INSTALLATION KIT



Fast & Easy Assembly

We designed our panels so that job-site installation is fast and easy. All walk-ins are shipped with a hardware and installation instruction kit that includes: the shop drawing, detailed installation instructions, hex wrench for cam-lock panel assembly, PVC press fit caps and the light globe.

DOOR JAMB



Vapor Proof Light



Digital LED Thermometer & Switch



Heated Pressure-Relief Vent

The door jamb and door are constructed with a non-conductive heavy-duty PVC extrusion that provides a thermal barrier. The jamb includes an incandescent vapor-proof light fixture mounted on the center/top of the jamb, which provides extra space for shelving posts. A digital LED Thermometer (F°/C°) is provided, with On/Off pilot light switch.

Dynasty Freezer doors are equipped with a heated pressure relief vent mounted on the door jamb. In addition, the doors include a temperature controlled heater wire to ensure a positive frost free seal.

POPULAR DYNASTY WALK-IN OPTIONS



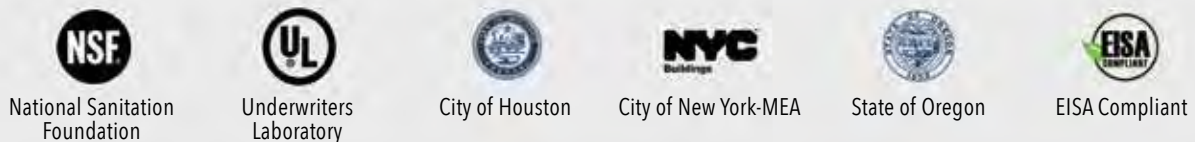
Many other optional features are available upon request. Please call us for details and pricing.

DYNASTY WARRANTY PROTECTION



For complete warranty terms please visit: www.amerikooler.com/support

CODE APPROVALS AND INDUSTRY LISTINGS



INSULATION TEST STANDARDS



ENDURANCE™ GAS RESTAURANT RANGE

6 Open Burners / 36" Wide Gas Range



SELL SHEET

Model 36C-6BN
Shown on optional casters



SPECIFIER STATEMENT

36" wide gas restaurant range, Vulcan Model No. 36S-6BN. Fully MIG welded aluminized steel frame for added durability. Stainless steel front, sides, backriser, highshelf and 6" adjustable legs. Extra deep crumb tray with welded corners. Six 30,000 BTU/hr. open top burners with lift-off burner heads. Energy saving flashtube open burner ignition system (one pilot for every two burners) shrouded for reliability. Heavy duty cast grates, easy lift-off 12" x 12½" in the front and 12" x 14½" in the back to better accommodate stock pots or large pans. Grates have a built in aeration bowl for greater efficiency. Burner knobs are cool to the touch, high temperature material. One oven: 35,000 BTU/hr. standard bakers depth oven with porcelain oven bottom and door panel, measures 27"d x 26¾"w x 14"h. Oven thermostat adjusts from 250°F to 500°F with a low setting. Oven is supplied with two racks, two rack guide sets, and four rack positions. Oven door is heavy duty with an integrated door hinge/spring mechanism requiring no adjustment. ¾" rear gas connection and pressure regulator. Total input 215,000 BTU/hr.

Exterior Dimensions:

34"d x 36"w x 58"h on 6" adjustable legs

Project _____
 AIA # _____ SIS # _____ **TAG: 5**
 Item # _____ Quantity _____ C.S.I. Section 114000

MODELS

- 36S-6BN 1 Standard Oven / Natural Gas
- 36S-6BP 1 Standard Oven / Propane
- 36C-6BN 1 Convection Oven / Natural Gas
- 36C-6BP 1 Convection Oven / Propane

STANDARD FEATURES

- Fully MIG welded frame
- Stainless steel front, sides, backriser, lift-off high shelf
- 6" stainless steel adjustable legs
- Six open top burners, each burner is 30,000 BTU/hr. with lift-off burner heads
- Shrouded flash tube pilot system (one pilot per two burners)
- Heavy duty cast grates, easy lift-off 12" x 12½" in front and 12" x 14½" in the rear
- Extra deep pull out crumb tray with welded corners
- 35,000 BTU/hr. baker's depth standard oven cavity; full size sheet pans fit side-to-side or front-to-back
- Oven thermostat adjusts from 250°F to 500°F
- Two oven racks and four rack positions
- 35,000 BTU/hr. convection oven in place of standard oven, 24"d x 26¾"w x 13¾"h (115v - 1 phase blower motor 4 amp, 6' cord and plug); full size sheet pans only fit side-to-side in convection oven; convection oven motor requires field attachment
- One year limited parts and labor warranty

ACCESSORIES (PACKAGED AND SOLD SEPARATELY)

- Extra oven rack with rack guides
- Casters (set of four)
- Leveling casters (set of four)
- Flanged feet (set of four)
- 10" stainless steel stub back
- Reinforced high shelf for mounting salamander broiler

OPTIONS (FACTORY INSTALLED)

- Flame Safety device with manual spark ignition for all open top burners, thermostatic griddles and oven pilots
- Hot tops

ENDURANCE GAS RESTAURANT RANGE – 6 Open Burners / 36" Wide Gas Range

Approved by _____ Date _____ Approved by _____

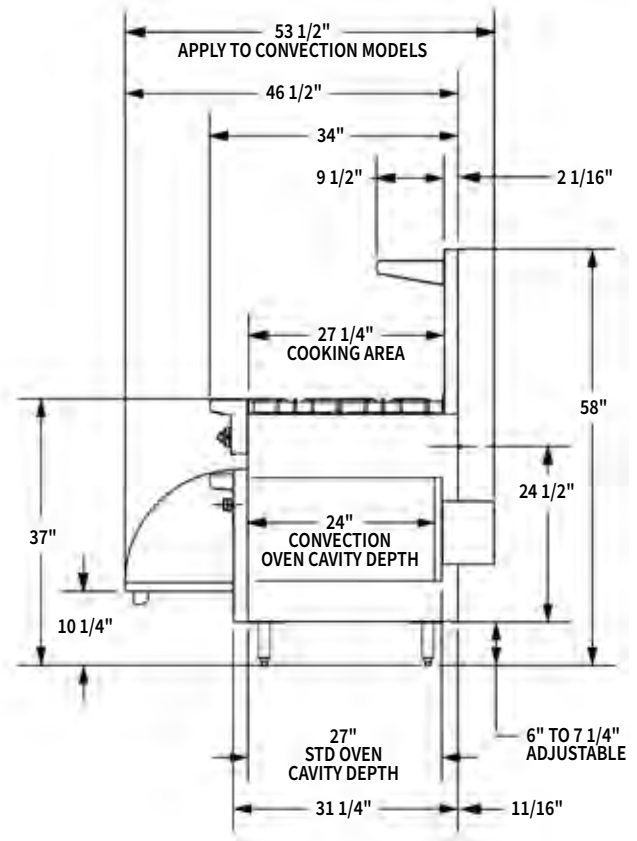
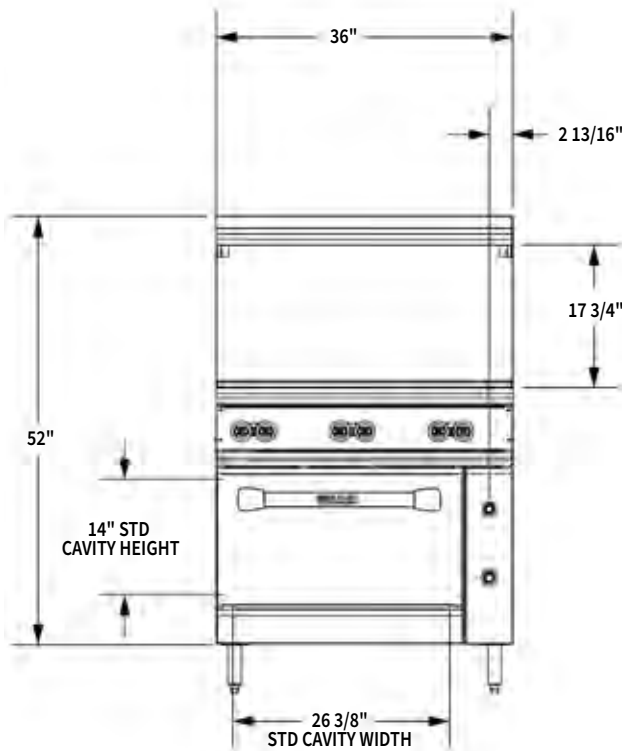
ROADSIDE 2.0
PROJECT MANUAL

INSTALLATION INSTRUCTIONS INSTALLATION MANUAL

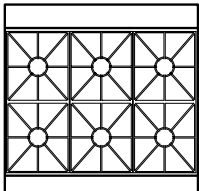
- A pressure regulator sized for this unit is included. Natural gas 5.0" W.C., propane gas 10.0" W.C.
- Gas line connecting to range must be 3/4" or larger. If flexible connectors are used, the inside diameter must be 3/4" or larger.
- An adequate ventilation system is required for commercial cooking equipment. Information may be obtained by visiting the National Fire Protection Association website at <https://www.nfpa.org/>. Refer to NFPA No. 96.
- These units are manufactured for installation in accordance with ANSZ223.1A (latest edition), National Fuel Gas Code. Information may be obtained from The American Gas Association website at <https://www.aga.org/>.
- Clearances

| | | |
|---------------------------------|---------|-------|
| | Rear | Sides |
| Combustible | 6" | 10" |
| Standard Oven Non-Combustible | 0" | 0" |
| Convection Oven Non-Combustible | Min. 4" | 0" |
- For proper combustion, install equipment on adjustable legs or casters provided with unit.
- This appliance is manufactured for commercial installation only and is not intended for home use.

SPECIFY TYPE OF GAS WHEN ORDERING.
SPECIFY ALTITUDE WHEN ABOVE 2,000 FEET.



▶ CAD and/or Revit Files Available

| Top Configuration | Model | Description | Total Input BTU / Hr. | Shipping Weight Lbs. / KG |
|---|----------------|---|-----------------------|---------------------------|
|  | 36S-6BN | 1 Standard Oven / 6 Burners / Natural Gas | 215,000 | 520 / 236 |
| | 36S-6BP | 1 Standard Oven / 6 Burners / Propane | 215,000 | 520 / 236 |
| | 36C-6BN | 1 Convection Oven / 6 Burners / Natural Gas | 215,000 | 580 / 263 |
| | 36C-6BP | 1 Convection Oven / 6 Burners / Propane | 215,000 | 580 / 263 |



ZEPHAIRE-100-G-ES

ZEPHAIRE-100-G-ES

Full-Size, Standard Depth
Gas Convection Oven



OPTIONS AND ACCESSORIES

(AT ADDITIONAL CHARGE)

■ Legs, casters & stands

- 6" (152mm) seismic legs
- 6" (152mm) casters
- 4" (102mm) low profile casters (double only)
- 25" (635mm) stainless steel stand w/rack guides
- 29" (737mm) stainless steel, fully welded open stand with pan supports

■ Gas hose w/quick disconnect restraining device

- 48" (1219mm) hose
- 36" (914mm) hose
- SSD - Solid state digital control with LED display, Cook & Hold and Pulse Plus®
- Extra oven racks
- Stainless steel solid back panel
- Gas manifold (for double sections)
- Prison package (includes security control panel and stainless steel back)
- Flue connector
- Direct vent

OPTIONS AND ACCESSORIES

(AT NO ADDITIONAL CHARGE)

- Solid stainless steel doors

Project _____ **TAG: 6**

Item No. _____

Quantity _____

Standard depth baking compartment - accepts five 18" x 26" standard full-size baking pans in left-to-right positions. All data is shown per oven section, unless otherwise indicated.

Refer to operator manual specification chart for listed model names.

EXTERIOR CONSTRUCTION

- Full angle-iron frame
- Stainless steel front, top, and sides
- Dual pane thermal glass windows encased in stainless steel door frames
- Powder coated door handle with simultaneous door operation
- Triple-mounted pressure lock door design with turnbuckle assembly
- 1" solid block plus 1" mineral fiber insulation for a total of 2" of insulation

INTERIOR CONSTRUCTION

- Double-sided porcelainized baking compartment liner (16 gauge)
- Stainless steel combustion chamber
- Single inlet blower wheel
- Five chrome-plated racks, eleven rack positions with a minimum of 1-5/8" (41mm) spacing
- Interior lights

OPERATION

- Direct Fired Gas system
- Electronic spark ignition control system
- Removable inshot burners
- Internal pressure regulator
- Manual gas service cut-off switch located on the front of the control panel
- Solid state thermostat with temperature control range of 200°F (93°C) to 500°F (260°C)
- Two speed fan motor
- 3/4 horsepower blower motor with automatic thermal overload protection
- Control area cooling fan

STANDARD FEATURES

- SSI-M - solid state infinite control with separate dials for thermostat and timer
- 25" (635mm) adjustable stainless steel legs (for single units)
- 6" (152mm) adjustable stainless steel legs (for double sections)
- Two year parts and two year labor warranty
- Three year limited oven door warranty*

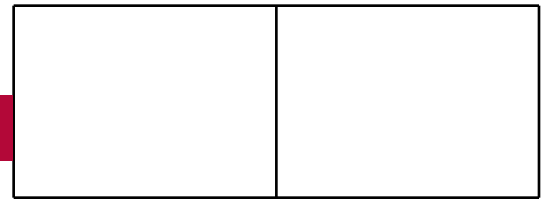
* For all international markets, contact your local distributor.

NOTE: The company reserves the right to make substitutions of components without prior notice

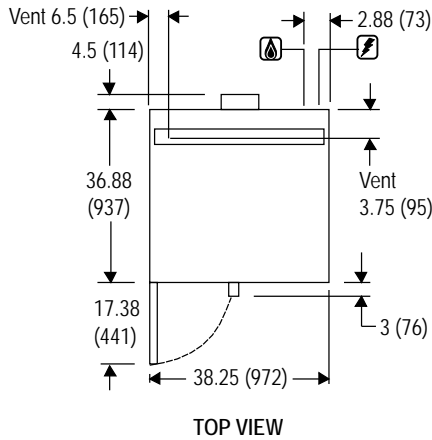




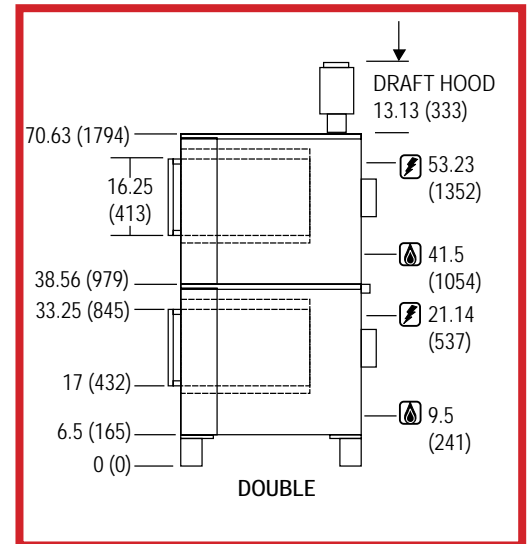
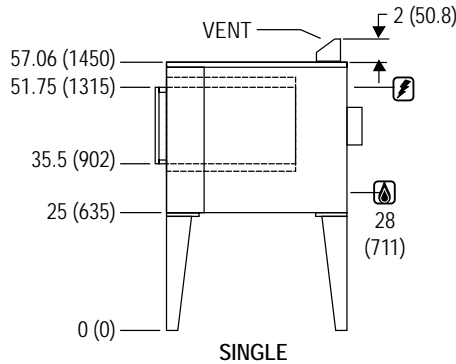
ZEPHAIRE-100-G-ES



APPROVAL/STAMP



DIMENSIONS ARE IN INCHES (MM)



SHORT FORM SPECIFICATIONS Provide Blodgett full-size convection oven model ZEPHAIRE-100-G-ES, (single/double) compartment. Each compartment shall have (porcelainized/stainless) steel liner and shall accept five 18" x 26" standard full-size bake pans. Stainless steel front, top and sides. Doors shall be (solid stainless steel/dual pane thermal glass windows) with single powder coated handle and simultaneous operation. Unit shall be gas heated with electronic spark ignition and shall cook by means of a direct fired system with a gas shutoff switch on the front of the control panel. Air in baking chamber distributed by single inlet blower wheel powered by a two-speed, 3/4 HP motor with thermal overload protection. Each chamber shall be fitted with two lamps and five chrome-plated removable racks. Control panel shall be recessed with Cook/Cool Down mode selector, solid state infinite control with separate dials for thermostat and timer. Provide two years parts and labor and three year door warranty. Provide options and accessories as indicated.

DIMENSIONS

- Floor space** 38-1/4" (972mm) W x 36-7/8" (937mm) D
- Interior** 29" (737mm) W x 20" (508mm) H x 24-1/4" (616mm) D
- If oven is on casters**
 - Single Add 4-1/2" (114mm) to height
 - Double Height dimensions remain the same
 - Double Low Profile Subtract 2.5" (64mm) from all height dimensions

PRODUCT CLEARANCE

From combustible and non-combustible construction

0" (0 mm)

MINIMUM ENTRY CLEARANCE

- Uncrated** 32-1/16" (814mm)
- Crated** 37-1/2" (953mm)

SHIPPING INFORMATION

Approx. Weight

- Single 590 lbs. (268 kg)
- Double 1095 lbs. (497 kg)

Crate Size

37-1/2" (952mm) x 43-1/2" (1105mm) x 51-3/4" (1315mm)
(2 crates required for double)

GAS SUPPLY (per section)

3/4" NPT

Inlet Pressure

- Natural Gas 7.0" W.C. min. - 10.5" W.C. max.
- Propane 11.0" W.C. min. - 13.0" W.C. max.

Manifold Pressure

- Natural Gas 3.5" W.C.
- Propane 10" W.C.

MAXIMUM INPUT

45,000 BTU/hr (13.2 Kw) per oven section

POWER SUPPLY

115 VAC, 1 phase, 8 Amp, 60 Hz., 2-wire with ground, 3/4 H.P., 2 speed motor, 1120 and 1680 RPM

6' (1.8m) electric cord set furnished on 115 VAC ovens only.

230V CE model, 1 phase, 3 Amp, 50 Hz., 2-wire with ground, 1/2 H.P., 2 speed motor, 1440/930

VULCAN**MSA SERIES
HEAVY DUTY GAS GRIDDLES**

Model MSA48

**SPECIFICATIONS**

Low profile heavy duty gas griddle, Vulcan Model No. _____. Stainless steel front, sides and front top ledge. Fully welded stainless and aluminized steel body frame. 11" low profile cooking height on 4" legs. 1" thick polished steel griddle plate with 12 gage, 4" stainless steel back and tapered side splashes. Grease chute is fully welded to stop grease migration. One 27,000 BTU/hr. "U" shaped aluminized steel burner and mechanical snap action thermostat for each 12" of griddle width. Chrome thermostat knob guards. Temperature adjusts from 200° to 550°F. One pilot safety for every two burners. 3½" wide stainless steel grease trough. ¾" rear gas connection and gas pressure regulator.

Exterior Dimensions:

_____ "w x 33" d x 15½" h on 4" legs.

CSA design certified. NSF listed.

**SPECIFY TYPE OF GAS WHEN ORDERING.
SPECIFY ALTITUDE WHEN ABOVE 3,999 FT.**

- MSA24** 24" w x 24" d griddle plate
- MSA36** 36" w x 24" d griddle plate
- MSA48** 48" w x 24" d griddle plate
- MSA60** 60" w x 24" d griddle plate
- MSA72** 72" w x 24" d griddle plate

STANDARD FEATURES

- Stainless steel front, sides and front top ledge with "Cool Bullnose" design.
- Fully welded stainless and aluminized steel chassis frame.
- 11" low profile cooking height on 4" adjustable legs.
- 1" thick polished steel griddle plate with 12 gauge, 4" stainless steel back and tapered side splashes.
- Spatula wide 3½" grease gutter and chute is fully welded for easier cleaning and to stop grease migration.
- One 27,000 BTU/hr. "U" shaped aluminized steel burner for every 12" of griddle width.
- One embedded snap action thermostat per burner with temperature adjust from 200°F to 550°F on Steel or Chrome plate. Temperature adjusts from 200°F to 450°F on Rapid Recovery™ plate.
- Large 6 quart stainless steel grease drawer (2 drawers on 60" and 72" models).
- Heavy duty chromed thermostat knob guards.
- One pilot safety valve for every two burners. Safety will completely shut off gas to pilot and burners if pilot extinguishes.
- Manual ignition.
- Bottom heat shields.
- ¾" rear gas connection and gas pressure regulator.
- One year limited parts and labor warranty.

OPTIONAL FEATURES

- Full or partially grooved griddle plate (steel or chrome plate only).
- Rapid Recovery™ griddle plate (200-450°F controls, 48" maximum length).
- Hexavalent chrome plated cooking surface.
- 30" deep plate (steel plate only).
- Stainless steel stand with marine edges and casters.
- Cutting board, condiment rail, plate rail and banking strip accessories.

VULCAN

a division of ITW Food Equipment Group LLC

P.O. Box 696 ■ Louisville, KY 40201 ■ Toll-free: 1-800-814-2028 ■ Local: 502-778-2791 ■ Quote

ROADSIDE 2.0
PROJECT MANUAL -

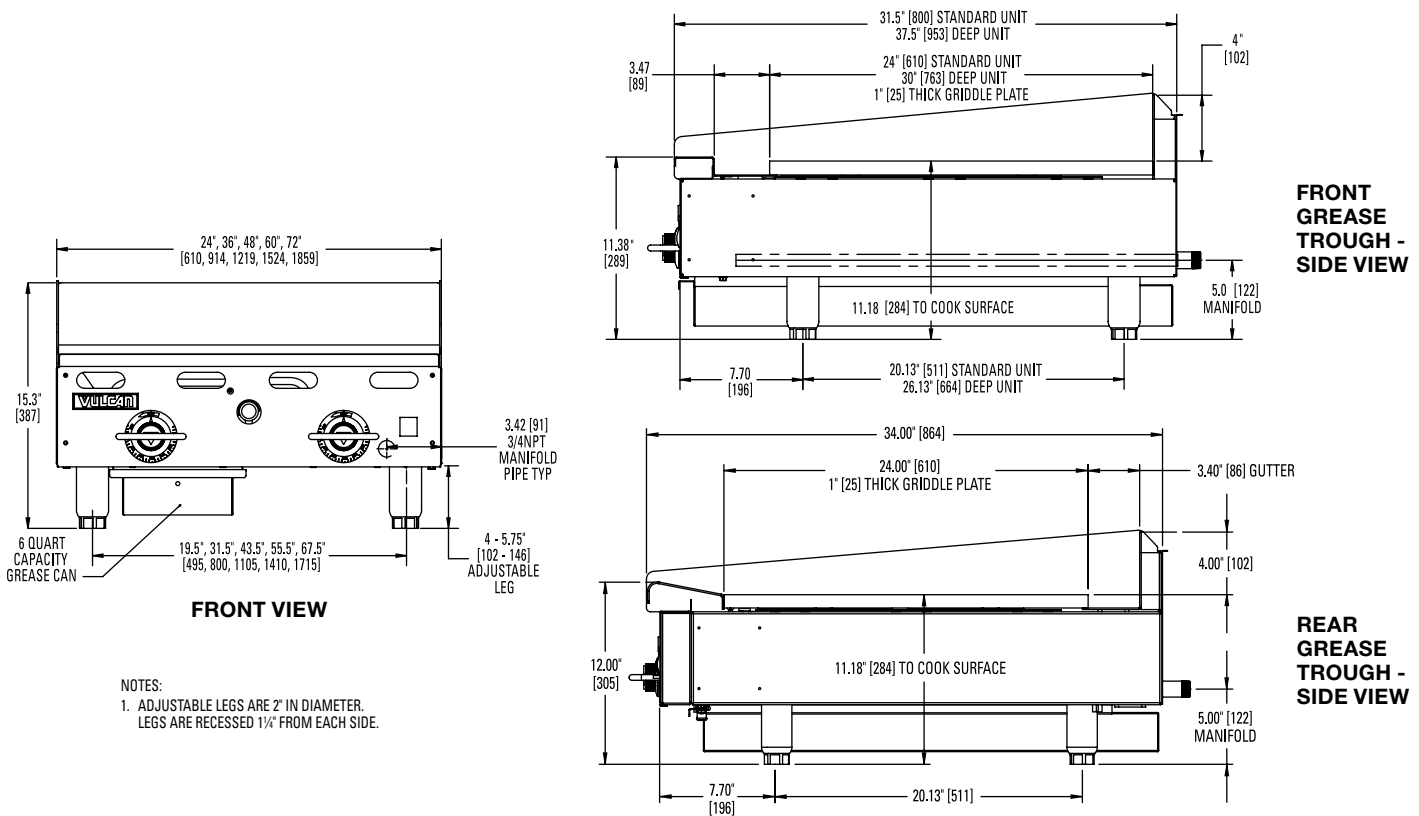


**MSA SERIES
HEAVY DUTY GAS GRIDDLES**

INSTALLATION INSTRUCTIONS

1. A gas pressure regulator supplied with the unit must be installed;
Natural Gas 4.0" (102 mm) W.C.
Propane Gas 10.0" (254 mm) W.C.
2. All models require a 6" (152 mm) clearance at both sides and rear adjacent to combustible and 0" from non-combustible constructions. All models require a 4" (102mm) bottom clearance and must be installed with minimum 4" legs.
3. These units are manufactured for installation in accordance with ANSI/NFPA-70, National Electrical code.
An adequate ventilation system is required for Commercial Cooking Equipment (NFPA No. 96). Information may be obtained by writing to the National Fire Protection Association, Batterymarch Park, Quincy, MA 02169.

4. These units are manufactured for installation in accordance with National Fuel Gas Code, ANSI-Z223.1/NFPA #54 (latest edition). Copies may be obtained from The American Gas Association, Accredited Standards Committee Z223 @ 400 N. Capital St. NW, Washington, DC 20001, or the Secretary Standards Council, NFPA, 1 Batterymarch Park, Quincy, MA 02169-7471.
NOTE: In The Commonwealth of Massachusetts
All gas appliances vented through ventilation hood or exhaust system equipped with a damper or with a power means of exhaust shall comply with 248 CMR.
5. This appliance is manufactured for commercial installation only and is not intended for home use.



| MODEL | WIDTH | DEPTH | OVERALL HEIGHT* | WORKING HEIGHT* | NO. OF BURNERS | TOTAL BTU/HR. | NO. OF DRAWERS | APPROX. SHIP. WT. |
|-------|-------|-------|-----------------|-----------------|----------------|---------------|----------------|-------------------|
| MSA24 | 24" | 31½" | 15¼" | 11⅞" | 2 | 54,000 | 1 | 285 lbs./129 kg. |
| MSA36 | 36" | 31½" | 15¼" | 11⅞" | 3 | 81,000 | 1 | 400 lbs./181 kg. |
| MSA48 | 48" | 31½" | 15¼" | 11⅞" | 4 | 108,000 | 1 | 480 lbs./218 kg. |
| MSA60 | 60" | 31½" | 15¼" | 11⅞" | 5 | 135,000 | 2 | 650 lbs./295 kg. |
| MSA72 | 72" | 31½" | 15¼" | 11⅞" | 6 | 162,000 | 2 | 790 lbs./358 kg. |

*These are nominal dimensions and can vary by +1.75" with adjustable legs.



a division of ITW Food Equipment Group LLC



TRUE FOOD SERVICE EQUIPMENT, INC.

2001 East Terra Lane • O'Fallon, Missouri 63366-4434 • (636)240-2400
 Fax (636)272-2408 • Toll Free (800)325-6152 • Intl Fax# (001)636-272-7546
 Parts Dept. (800)424-TRUE • Parts Dept. Fax# (636)272-9471 • www.truefmfg.com

Project Name: _____ **TAG: 8**

A/A #

Location: _____

Item #: _____ Qty: _____

SIS #

Model #: _____

Model:
TRCB-72

Chef Base:
Drawered Refrigerator



TRCB-72

- ▶ True's refrigerated chef bases are designed with enduring quality that protects your long term investment.
- ▶ Designed using the highest quality materials and components to provide the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.
- ▶ Oversized, environmentally friendly (134A) forced-air refrigeration system holds 33°F to 38°F (5°C to 3.3°C).
- ▶ Cabinet top is one piece, heavy duty reinforced stainless steel. Drip resistant "V" edge protects against spills. Supports up to 1084 lbs. (492 kg).
- ▶ All stainless steel front, top and sides. Matching aluminum finished back.
- ▶ Each drawer accommodates two (2) full size 12"L x 20"W x 4"D (305 mm x 508 mm x 102 mm) food pans (sold separately).
- ▶ Heavy-duty stainless steel drawer slides and rollers. Removable without tools for easy cleaning.
- ▶ Foamed-in-place using Ecomate. A high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).



Scan code for video

ROUGH-IN DATA

Specifications subject to change without notice.
 Chart dimensions rounded up to the nearest 1/8" (millimeters rounded up to next whole number).

| Model | Drawers | Cabinet Dimensions (inches) (mm) | | | HP | Voltage | Amps | NEMA Config. | Cord Length (total ft.) (total m) | Crated Weight (lbs.) (kg) |
|---------|---------|----------------------------------|--------------------------------|--------------------------------|-----|--------------|------|--------------|-----------------------------------|---------------------------|
| | | L | D† | H* | | | | | | |
| TRCB-72 | 4 | 72 ³ / ₈ | 32 ¹ / ₈ | 20 ³ / ₈ | 1/3 | 115/60/1 | 9.9 | 5-15P | 7 | 485 |
| | | 1839 | 816 | 518 | 1/3 | 230-240/50/1 | 4.2 | ▲ | 2.13 | 220 |

† Depth does not include 1" (26 mm) for rear bumpers.

* Height does not include 5" (127 mm) for castors or 6" (153 mm) for optional legs.

▲ Plug type varies by country.



3/15

Printed in U.S.A.

APPROVALS:

AVAILABLE AT:

ROADSIDE 2.0
PROJECT MANUAL

Model:
TRCB-72

Chef Base:
Drawered Refrigerator



STANDARD FEATURES

DESIGN

- True's commitment to using the highest quality materials and oversized refrigeration systems provides the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.

REFRIGERATION SYSTEM

- Factory engineered, self-contained, capillary tube system using environmentally friendly (CFC free) 134A refrigerant.
- Oversized, factory balanced refrigeration system with guided airflow to provide uniform product temperatures.
- Extra large evaporator coil balanced with higher horsepower compressor and large condenser; maintains cabinet temperatures of 33°F to 38°F (.5°C to 3.3°C) for the best in food preservation.
- Sealed, cast iron, self-lubricating evaporator fan motor(s) and larger fan blades give True chef base units a more efficient, low velocity, high volume airflow design. This unique design ensures faster temperature recovery and shorter run times in the busiest of food service environments.
- Condensing unit accessed from behind side grill; slides out for easy maintenance.

CABINET CONSTRUCTION

- Exterior - stainless steel front, top and sides. Matching aluminum finished back.
- Interior - attractive, NSF approved, white aluminum liner. Stainless steel floor with coved corners.

- Insulation - entire cabinet structure and drawer facings are foamed-in-place using Ecomate. A high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).
- 4" (102 mm) diameter plate castors - locks provided on front set.
- Cabinet top is one piece, heavy duty reinforced 300 series stainless steel. Drip resistant "V" edge protects against spills. Supports up to 1084 lbs. (492 kg).

DRAWERS

- Stainless steel exterior drawer facings and liners. Stainless steel drawer frames.
- Each drawer fitted with 12" (305 mm) long recessed handle that is foamed-in-place with a sheet metal interlock to ensure permanent attachment.
- Heavy-duty stainless steel drawer slides and rollers. Removable without tools for easy cleaning.
- Magnetic drawer gaskets of one piece construction, removable without tools for ease of cleaning.
- Each drawer accommodates two (2) full size 12"L x 20"W x 4"D (305 mm x 508 mm x 102 mm) food pans (sold separately).
- Drawers support a wide variety of incremental pan size configurations; each drawer standard with one (1) full length removable divider bar.

MODEL FEATURES

- Evaporator is epoxy coated to eliminate the potential of corrosion.
- Exterior digital temperature display.
- NSF-7 compliant for open food product.

ELECTRICAL

- Unit completely pre-wired at factory and ready for final connection to a 115/60/1 phase, 15 amp dedicated outlet. Cord and plug set included.



115/60/1
NEMA-5-15R

RECOMMENDED OPERATING CONDITIONS

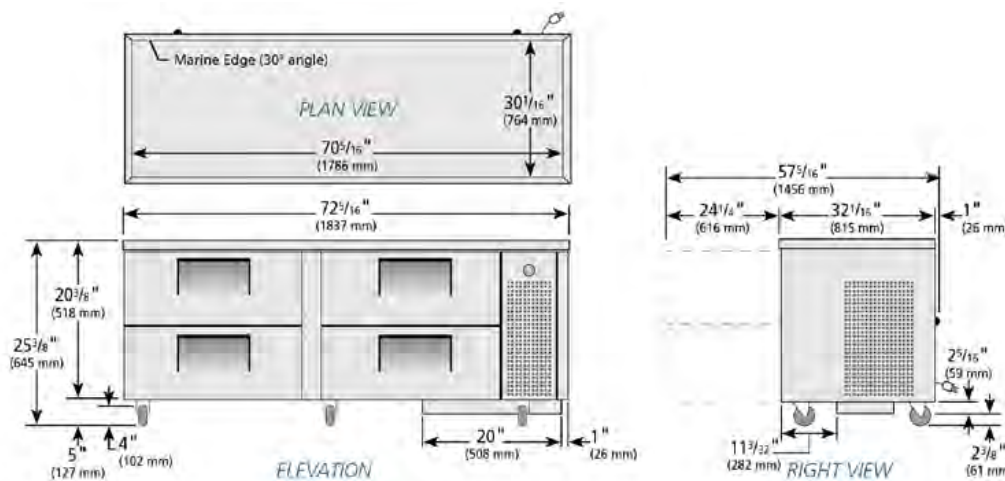
- Counter-top cooking equipment should be used in conjunction with the manufacturer supplied legs. Minimum clearance of 4" (102 mm) is required between bottom of cooking equipment heating element and the TRCB top. Failure to provide clearance voids manufacturer warranty.
- Installation of a heat shield is recommended for optimum performance (supplied by others).

OPTIONAL FEATURES/ACCESSORIES

Upcharge and lead times may apply.

- 230 - 240V / 50 Hz.
- 6" (153 mm) standard legs (1 set of 6 leg mounting plates required).
- 6" (153 mm) seismic/flanged legs (1 set of 6 leg mounting plates required).
- Heavy duty, 16 gauge top.
- Flat top (no marine edge).
- Additional size drawer divider bars.

PLAN VIEW



WARRANTY*
Three year warranty on all parts and labor and an additional 2 year warranty on compressor. (U.S.A. only)

METRIC DIMENSIONS ROUNDED UP TO THE NEAREST WHOLE MILLIMETER
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



| Model | Elevation | Right | Plan | 3D | Back |
|---------|-----------|----------|----------|----------|------|
| TRCB-72 | TFQY172E | TFQY135S | TFQY172P | TFQY1723 | |

*RESIDENTIAL APPLICATIONS: TRUE assumes no liability for parts or labor coverage for component failure or other damages resulting from installation in non-commercial or residential applications



TRUE MANUFACTURING CO., INC.
U.S.A. FOODSERVICE DIVISION

2001 East Terra Lane • O'Fallon, Missouri 63366-4434 • (636)240-2400
Fax (636)272-2408 • Toll Free (800)325-6152 • Intl Fax# (001)636-272-7546
Parts Dept. (800)424-TRUE • Parts Dept. Fax# (636)272-9471 • www.truemfg.com

Project Name: _____ **TAG: 9** A/A # _____
 Location: _____
 Item #: _____ Qty: _____ SIS # _____
 Model #: _____

Model:
T-49-HC

T-Series:
Reach-In Solid Swing Door Refrigerator with Hydrocarbon Refrigerant



T-49-HC

- ▶ True's solid door reach-in's are designed with enduring quality that protects your long term investment.
 - ▶ Designed using the highest quality materials and components to provide the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.
 - ▶ Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydro carbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
 - ▶ High capacity, factory balanced refrigeration system that maintains cabinet temperatures of 33°F to 38°F (.5°C to 3.3°C) for the best in food preservation.
 - ▶ Adjustable, heavy duty PVC coated shelves.
 - ▶ Positive seal self-closing doors. Lifetime guaranteed door hinges and torsion type closure system.
- Bottom mounted units feature:**
- ▶ "No stoop" lower shelf.
 - ▶ Storage on top of cabinet.
 - ▶ Compressor performs in coolest, most grease free area of kitchen.
 - ▶ Easily accessible condenser coil for cleaning.

ROUGH-IN DATA

Specifications subject to change without notice.
Chart dimensions rounded up to the nearest 1/8" (millimeters rounded up to next whole number).

| Model | Doors | Shelves | Cabinet Dimensions (inches) (mm) | | | HP | Voltage | Amps | NEMA Config. | Cord Length (total ft.) (total m) | Crated Weight (lbs.) (kg) |
|---------|-------|---------|----------------------------------|---------------|----------------|------------|--------------------------|------------|--------------|-----------------------------------|---------------------------|
| | | | W | D | H* | | | | | | |
| T-49-HC | 2 | 6 | 54 1/8 1375 | 29 1/2 750 | 78 3/8 1991 | 1/2 1/3 | 115/60/1 230-240/50/1 | 5.4 2.4 | 5-15P ▲ | 9 2.74 | 450 205 |

* Height does not include 5" (127 mm) for castors or 6" (153 mm) for optional legs.

▲ Plug type varies by country.

MADE WITH INNOVATION IN THE USA
 7 YEAR COMMERCIAL WARRANTY
 ENERGY STAR
 UL US
 natural refrigerant.
 5/21 Printed in U.S.A.

APPROVALS:
 AVAILABLE AT:
 ROADSIDE 2.0 PROJECT MANUAL

Model:
T-49-HC

T-Series:
Reach-In Solid Swing Door Refrigerator with Hydrocarbon Refrigerant



STANDARD FEATURES

DESIGN

- True's commitment to using the highest quality materials and over sized refrigeration systems provides the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.

REFRIGERATION SYSTEM

- Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydro carbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
- High capacity, factory balanced refrigeration system that maintains cabinet temperatures of 33°F to 38°F (.5°C to 3.3°C) for the best in food preservation.
- State of the art, electronically commutated evaporator and condenser fan motors. ECM motors operate at higher peak efficiencies and move a more consistent volume of air which produces less heat, reduces energy consumption and provides greater motor reliability.
- Bottom mounted condensing unit positioned for easy maintenance. Compressor runs in coolest and most grease free area of the kitchen. Allows for storage area on top of unit.

CABINET CONSTRUCTION

- Exterior - Stainless steel front. Anodized quality aluminum ends. Corrosion resistant GalFan coated steel back.
- Interior - attractive, clear coated aluminum liner. Stainless steel floor with coved corners.

- Insulation - entire cabinet structure and solid door are foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).
- Welded, heavy duty steel frame rail, black powder coated for corrosion protection.
- Frame rail fitted with 4" (102 mm) diameter stem castors - locks provided on front set.

DOORS

- Stainless steel exterior with clear aluminum liner to match cabinet interior. Doors extend full width of cabinet shell. Door locks standard.
- Lifetime guaranteed recessed door handles. Each door fitted with 12" (305 mm) long recessed handle that is foamed-in-place with a sheet metal interlock to ensure permanent attachment.
- Positive seal self-closing doors. Lifetime guaranteed door hinges and torsion type closure system.
- Magnetic door gaskets of one piece construction, removable without tools for ease of cleaning.

SHELVING

- Six (6) adjustable, heavy duty PVC coated wire shelves 24 5/16"L x 22 3/8"D (624 mm x 569 mm). Four (4) chrome plated shelf clips included per shelf.
- Shelf support pilasters made of same material as cabinet interior; shelves are adjustable on 1/2" (13 mm) increments.

LIGHTING

- LED Interior lighting - safety shielded. Lights activated by rocker switch mounted above doors.

MODEL FEATURES

- Exterior temperature display.
- Evaporator is epoxy coated to eliminate the potential of corrosion.
- NSF/ANSI Standard 7 compliant for open food product.

ELECTRICAL

- Unit completely pre-wired at factory and ready for final connection to a 115/60/1 phase, 15 amp dedicated outlet. Cord and plug set included.



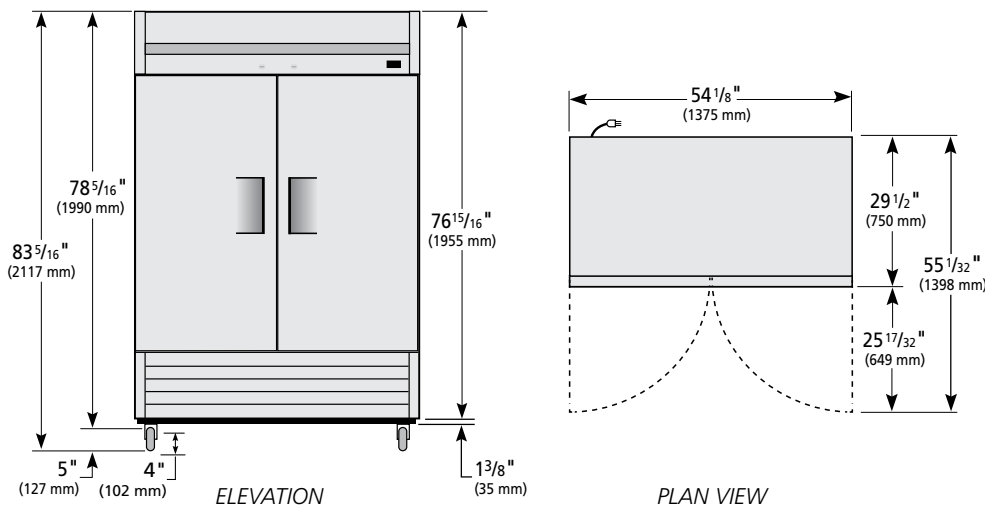
115/60/1
NEMA-5-15R

OPTIONAL FEATURES/ACCESSORIES

Upcharge and lead times may apply.

- 230 - 240V / 50 Hz.
- 6" (153 mm) standard legs.
- 6" (153 mm) seismic/flanged legs.
- 2 1/2" (64 mm) standard legs.
- Alternate door hinging (factory installed).
- Half door bun tray racks. Each holds up to eleven 18"L x 26"D (458 mm x 661 mm) sheet pans (sold separately).
- Full door bun tray racks. Each holds up to twenty-two 18"L x 26"D (458 mm x 661 mm) sheet pans (sold separately).

PLAN VIEW



3 YEAR PARTS + LABOR
7 YEAR COMPRESSOR
WARRANTY
(U.S.A. and Canada only)

METRIC DIMENSIONS ROUNDED UP TO THE NEAREST WHOLE MILLIMETER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



| | | | | | |
|---------|-----------|-------|------|----|------|
| Model | Elevation | Right | Plan | 3D | Back |
| T-49-HC | | | | | |

TRUE MANUFACTURING CO., INC.



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Parts Dept. (800)424-TRUE • Parts Dept. Fax# (636)272-9471 • www.truemfg.com

Project Name: _____ **TAG: 11** A/A # _____
 Location: _____ SIS # _____
 Item #: _____ Qty: _____
 Model #: _____

Model:
TFP-64-24M

Food Prep Table:
Food Prep Unit



TFP-64-24M

- ▶ True's food prep units are designed with enduring quality that protects your long term investment.
- ▶ Energy saving, environmentally friendly (R513A), exclusive forced-air refrigeration system holds 33°F to 41°F (.5°C to 5°C).
- ▶ All stainless steel front, top and ends. Corrosion resistant GalFan coated steel back.
- ▶ Interior - attractive, clear coated aluminum liner. Stainless steel floor with coved corners.
- ▶ 8" (204 mm) deep, ½" (13 mm) thick, full length removable cutting board included. Sanitary, high density white polyethylene provides tough preparation surface.
- ▶ Doors fitted with 12" (305 mm) long recessed handle that is foamed-in-place with a sheet metal interlock to ensure permanent attachment.
- ▶ Foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).

ROUGH-IN DATA

Specifications subject to change without notice.
Chart dimensions rounded up to the nearest 1/8" (millimeters rounded up to next whole number).

| Model | Doors | Shelves | Pans (top) | Cabinet Dimensions (inches) (mm) | | | HP | Voltage | Amps | NEMA Config. | Cord Length (total ft.) (total m) | Crated Weight (lbs.) (kg) |
|------------|-------|---------|------------|----------------------------------|---------------|----------------|------------|----------|------------|--------------|-----------------------------------|---------------------------|
| | | | | W | D† | H* | | | | | | |
| TFP-64-24M | 2 | 4 | 24 | 64 1/8 1629 | 31 1/2 801 | 45 3/4 1162 | 1/3 N/A | 115/60/1 | 4.8 N/A | 5-15P | 7 2.13 | 570 259 |

† Depth does not include 2" (51 mm) for cutting board.
* Height does not include 3/4" (19 mm) for castors.

| | | |
|--|-------------------|--------------------------------|
| | APPROVALS: | AVAILABLE AT: |
| | Printed in U.S.A. | ROADSIDE 2.0 PROJECT MANUAL |

Model:
TFP-64-24M

Food Prep Table:
Food Prep Unit



STANDARD FEATURES

DESIGN

- True's commitment to using the highest quality materials and oversized refrigeration systems provides the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.

REFRIGERATION SYSTEM

- Factory engineered, self-contained, capillary tube system using environmentally friendly (CFC free) R513A refrigerant.
- Energy saving, factory balanced refrigeration system with guided airflow to provide uniform temperature in food pans and cabinet interior.
- Exclusive forced-air design holds 33°F to 41°F (.5°C to 5°C) product temperature in food pans and cabinet interior. Complies with and listed under ANSI/NSF-7.
- High efficiency evaporator fan motor and larger fan blades give True Food Prep units a more efficient, low velocity, high volume airflow design.
- Easy access to all condensing unit components from back of cabinet.

CABINET CONSTRUCTION

- Exterior - stainless steel front, top and ends. Corrosion resistant GalFan coated steel back.

- Interior - attractive, clear coated aluminum liner. Stainless steel floor with coved corners.
- Insulation - entire cabinet structure is foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).
- 2½" (64 mm) diameter castors - locks provided on front set.
- Solid State Electronic Control, accessible on back of the unit.

DOORS

- Stainless steel exterior with clear aluminum liner to match cabinet interior.
- Doors fitted with 12" (305 mm) long recessed handle that is foamed-in-place with a sheet metal interlock to ensure permanent attachment.
- Magnetic door gaskets of one piece construction, removable without tools for ease of cleaning.

SHELVING

- Four (4) adjustable, heavy duty PVC coated wire shelves 29½" L x 20" D (750 mm x 508 mm). Four (4) chrome plated shelf clips included per shelf.
- Shelf support pilasters made of same material as cabinet interior; shelves are adjustable on ½" (13 mm) increments.

MODEL FEATURES

- Evaporator is epoxy coated to eliminate the potential of corrosion.

- 8" (204 mm) deep, full length removable cutting board. Sanitary, high-density white polyethylene provides tough preparation surface.
- Stainless steel, patented, foam insulated lid and hood keep pan temperatures colder, lock in freshness and minimize condensation. Removable for easy cleaning.
- Comes standard with 24 (½ size) 6⅞" L x 6¼" W x 4" D (175 mm x 159 mm x 102 mm) clear polycarbonate food pans in countertop prep area.
- Countertop pan opening designed to fit varying size pan configurations with available pan divider bars. Varying size pans supplied by others.
- NSF/ANSI Standard 7 compliant for open food product.

ELECTRICAL

- Unit completely pre-wired at factory and ready for final connection to a 115/60/1 phase, 15 amp dedicated outlet. Cord and plug set included.



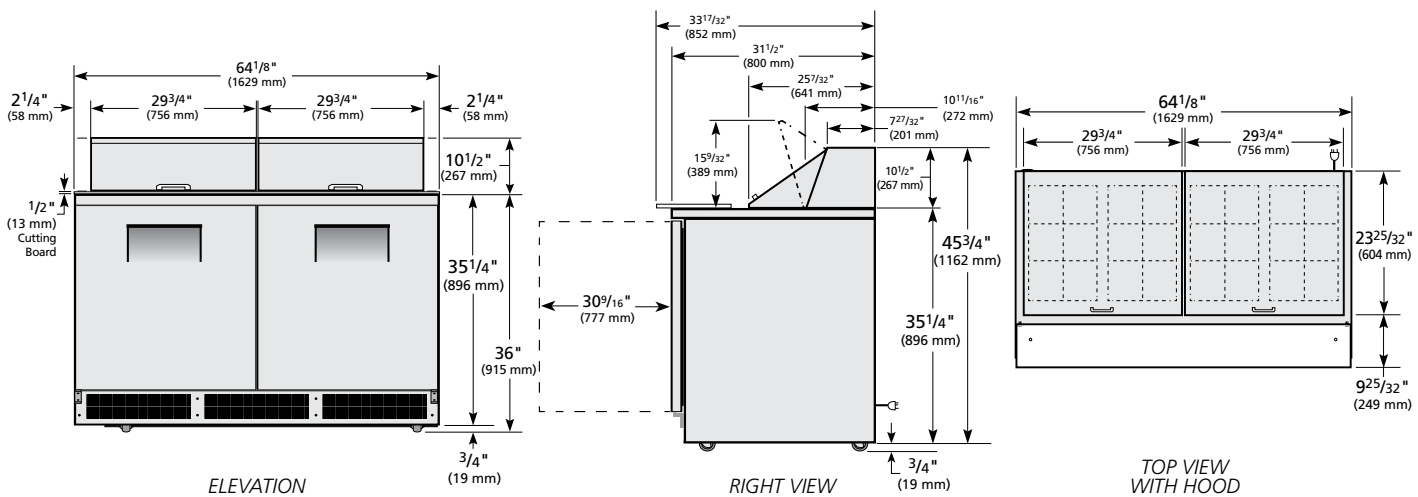
115/60/1
NEMA-5-15R

OPTIONAL FEATURES/ACCESSORIES

Upcharge and lead times may apply.

- Pan dividers.
- Single overshelf.
- Double overshelf.

PLAN VIEW



WARRANTY
 Three year warranty on all parts and labor and an additional 2 year warranty on compressor. (U.S.A. only)

METRIC DIMENSIONS ROUNDED UP TO THE NEAREST WHOLE MILLIMETER
 SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



| | | | | | |
|------------|-----------|-------|------|----|------|
| Model | Elevation | Right | Plan | 3D | Back |
| TFP-64-24M | | | | | |

NEO[®] 140/190 Undercounter Ice Machines

NEO[®] 140/190 Undercounter Ice Machines

Models

- URF-0140A
- UYF-0140A
- UDF-0190A
- UDF-0140A
- UYF-0190A



U-140 / U-190

- Power
- Delay
- Clean
- Full Bin
- Service

- Ranging from 137 lbs. (62 kg) to 198 lbs. (90 kg) daily ice production.
 - Only 26" (66.04 cm) wide, 28.50" (72.4 cm) deep, and 38.50" (97.8 cm) high on 6" (15.24 cm) legs.
 - Cabinet volume 3.037 ft³ (0.086 m³).
 - 90 lb. (40.0 Kg) ice storage capacity*.
- * Application capacity based on: 90% volume x 33lbs/ft³ average density of ice.

NEO undercounter ice machines are designed to provide ice right where you need it – within reach. Improvements in **Performance**, **Intelligence** and **Convenience** make your ice machine easy to own and less expensive to operate.

Performance – NEO produces more ice than ever before while using less water and energy. The storage bin provides industry leading capacity.

Intelligence – NEO provides feedback with full bin and service indicators. Delay function allows you to pause your machine for slow periods or days when you're closed.

Convenience – NEO offers a forward-sliding storage bin for easy access to refrigeration components without having to move the entire ice machine. Smooth, sealed food-zone with removable water trough, distribution tube, and damper door for faster cleaning. AlphaSan added to key internal components.

Available **Luminice[®] Growth Inhibitor** extends cleaning intervals by reducing yeast and bacteria growth keeping your ice machine cleaner, longer.

Specifications

BTU Per Hour:

U-140: 2,150 (average)
2,600 (peak)

U-190: 2,150 (average)
2,600 (peak)

Compressor:

Nominal rating: .42 HP

Refrigerant:

R-404A

Operating Limits:

• Ambient Temperature Range:
40° to 110°F (4.4° to 43.3°C)

• Water Temperature Range:
45° to 90°F (4.4° to 32.2°C)

• Water Pressure Ice Maker
Water In:
Min. 20 psi (137.9 kPa)
Max. 80 psi (551.1 kPa)



Ice Machine Electric

115/60/1. (208-230/60/1 and 230/50/1 available.) 115/60/1 ice machines are factory pre-wired with a 6' (180 cm) power cord and NEMA 5-15P-plug configuration. 208-230/60/1 ice machines are factory pre-wired with a 6' (180 cm) power cord only, no plug is supplied.

Total Amps:

U-140: 115/60/1: Air-cooled: 5 amps
208-230/60/1: Air-cooled: 2.5 amps

U-190: 115/60/1: Air-cooled: 6 amps
208-230/60/1: Air-cooled: 3 amps

Maximum fuse size:

Air-cooled: 15 amps

HACR-type circuit breakers can be used in place of fuses.

Ice Shape



Half Dice
3/8" x 1 1/8" x 7/8"
(.95 x 2.86 x 2.22 cm)



Dice
7/8" x 7/8" x 7/8"
(2.22 x 2.22 x 2.22 cm)



Regular
1 1/8" x 1 1/8" x 7/8"
(2.86 x 2.86 x 2.22 cm)



UL STD 563
CAN/CSA-C22.2 No. 120

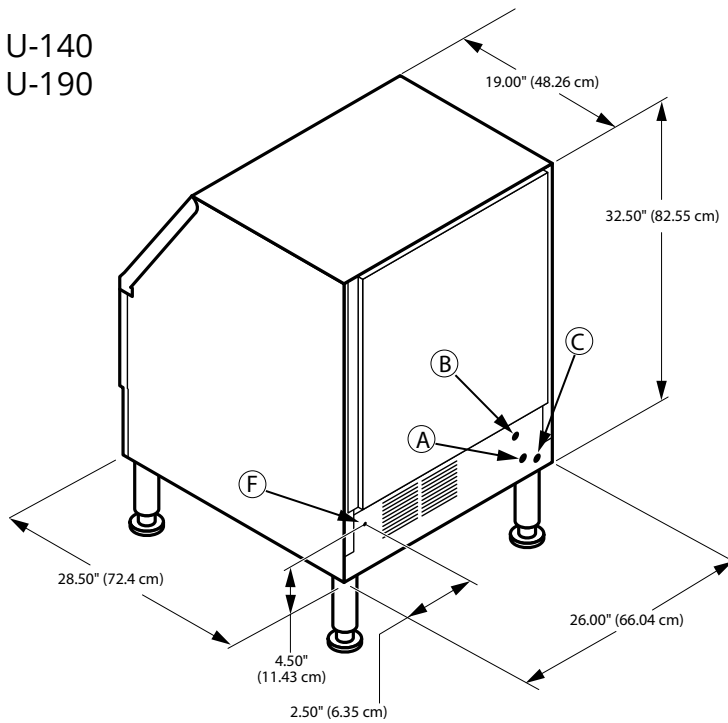


SANITATION
NSF/ANSI STD 12



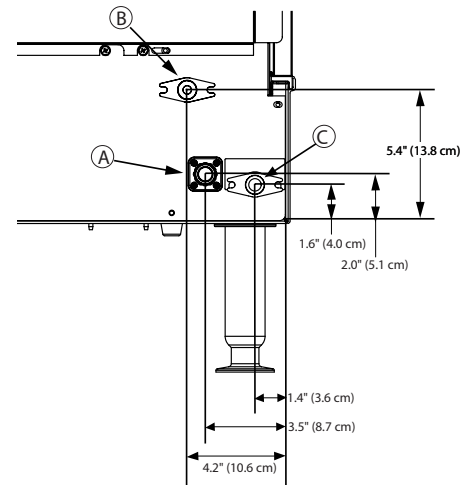


U-140
U-190



Installation Note Recommended clearance for top, sides, and back is 5" (12.7 cm) however, there is no minimum clearance required.

- Ⓐ 3/8" (0.95 cm) F.P.T. Ice Making Water Inlet
- Ⓑ 1/2" (1.27 cm) F.P.T. Ice Making Water Drain
- Ⓒ 1/2" (1.27 cm) F.P.T. Bin Drain
- Ⓕ Electrical Entrance

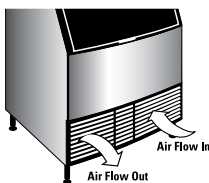


Specifications

| Model | Ice Shape | Ice Production 24 Hours | | | | Power kWh/ 100 lbs. @ 90°/70°F 32°/21°C | Potable water usage gal/100 lbs. ice @90/70 °F |
|-----------|-----------|--|-------|--|-------|--|--|
| | | 70°Air/50°F Water 21°Air/10°C Water | | 90°Air/70°F Water 32°Air/21°C Water | | | |
| URF-0140A | regular | 127 lbs | 58 kg | 95 lbs | 43 kg | 9.6 | 16.7 |
| UDF-0140A | dice | 135 lbs | 61 kg | 95 lbs | 43 kg | 9.8 | 16.7 |
| UYF-0140A | half-dice | 137 lbs | 62 kg | 100 lbs | 45 kg | 9.2 | 16.7 |
| UDF-0190A | dice | 198 lbs | 90 kg | 140 lbs | 64 kg | 8.4 | 23.9 |
| UYF-0190A | half-dice | 193 lbs | 88 kg | 140 lbs | 64 kg | 8.3 | 21.6 |

Standard 6" / 15.24 cm adjustable flange foot - gray painted legs included.
Standard plastic NEO ice scoop included.

Air Flow



Air in right, air out left, no side vents. Great for installation under countertops and next to other equipment.

Removable Bin



Air Filter



Simple, tool-free removal for quick access during routine cleaning and maintenance.

Manitowoc Ice reserves the right to make changes to the design or specifications without prior notice. ©2018 Manitowoc



TempStar® with Ventless and Energy Recovery

Project _____ **TAG: 13**

Item _____

Quantity _____

CSI Section 11400 _____

Approval _____

Date _____

TempStar® with Ventless and Energy Recovery

Models

- TempStar® VER TempStar® HH-E VER



Standard Features

- Ventless: Does not require a hood
- Energy Recovery
- Internal condensing system minimizes water vapor
- Sani-Sure™ final rinse system ensures proper rinse water temperature
- Multi-cycle timer (Extra Heavy, Heavy, Medium, Normal)
- Specially designed stainless steel nozzles provide superior cleaning action
- Automatic tank fill/auto-start
- Door switch
- Door interlock
- Pressure regulator is provided for installation by others
- Delime/manual wash switch
- Hi-limit thermostat and low water protection
- Uses standard 20" X 20" (508 mm X 508 mm) racks
- Detergent/rinse additive signal connection fuse box
- Self-draining stainless steel pump
- Built-in 70° F (38.9° C) rise booster heater
- Field convertible from straight through to corner and vice versa (kit required)

Mandatory Specs

Specify voltage _____

Specify booster size _____

Options

- 460V Electrical
- Single Phase
- Drain Water Tempering Kit
- Scaltrol
- Water Hammer Arrestor
- Flanged Feet
- False Panel (for corner installations)
- Security Package

Accessories

- 36-Compartment Rack
 - 4-1/8" tall (105 mm)
 - 5-5/8" tall (143 mm)
 - 7" tall (178 mm)
- Combination Rack
- Peg Rack

Specifications

- TempStar VER uses 0.89 gallons (3.4 liters) of water per rack; TempStar HH-E VER uses 0.78 gallons (3.0 liters) of water per rack
- TempStar VER (normal) cycle time - 87 seconds; TempStar HH-E VER (normal) cycle time - 90 seconds
- TempStar VER - 41 (39)* racks per hour (normal cycle); TempStar HH-E VER - 40 (37)* racks per hour (normal cycle)
- Single point connections for all utilities
- Cold water connection only
- Durable stainless steel construction
- TempStar VER - 17.25" (438 mm) vertical chamber clearance
- TempStar HH-E - 20.75" wide x 27" high (527 mm x 686 mm) opening accommodates 18"x 26" (457 mm x 660 mm) sheet pans and 60-quart mixing bowls
- TempStar VER is field phase convertible (kit required)
- Both models require some assembly
- 1-year parts and labor warranty

*Racks per hour calculated with NSF suggested load time of five (5) seconds for door-type (straight thru)



Intertek



Intertek



www.jacksonwws.com

TempStar HH-E VER

LEGEND

- A - Drain (1 1/2" NPT)
- B - Water Inlet (3/4" NPT)
- C - Electrical Connection

All dimensions from the floor can be increased 1 1/8" using the machine's adjustable feet.

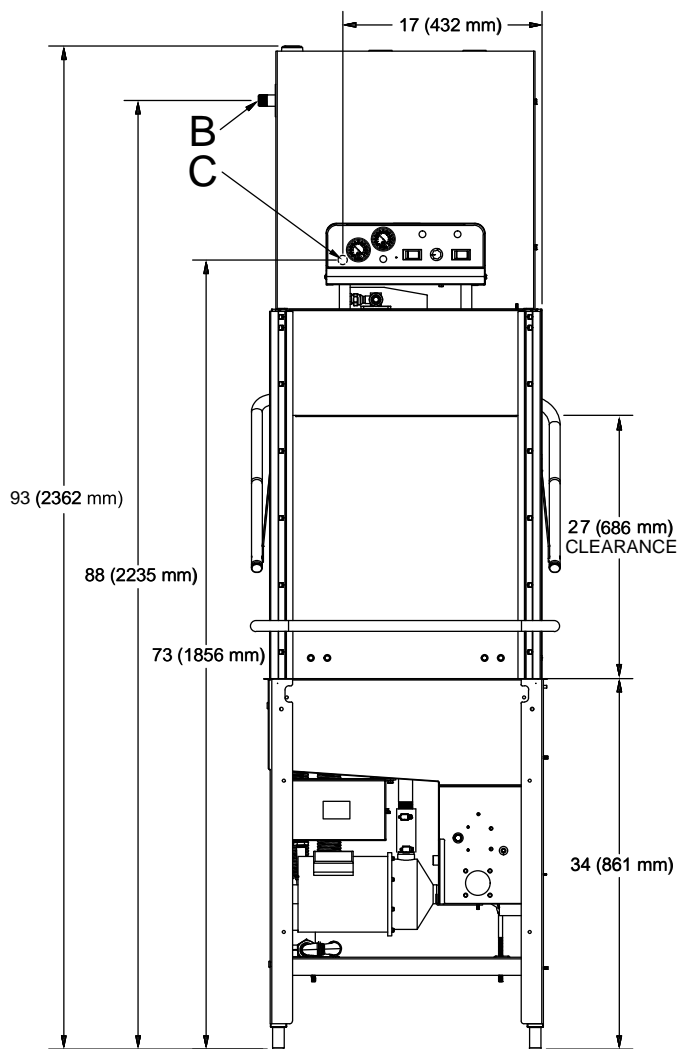
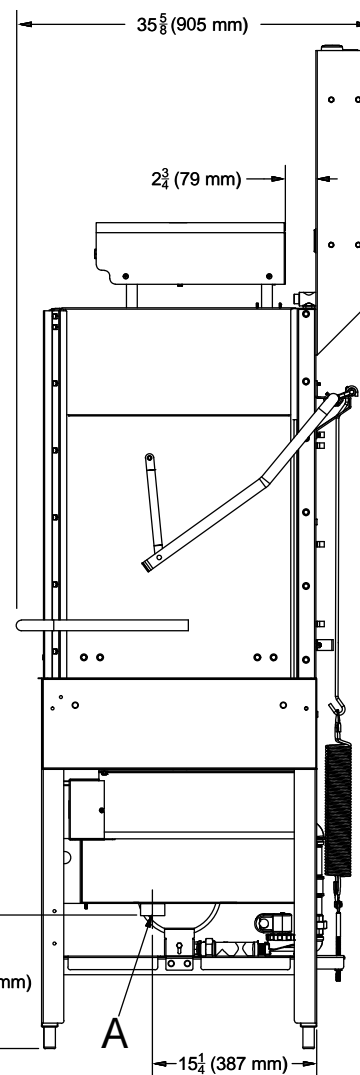
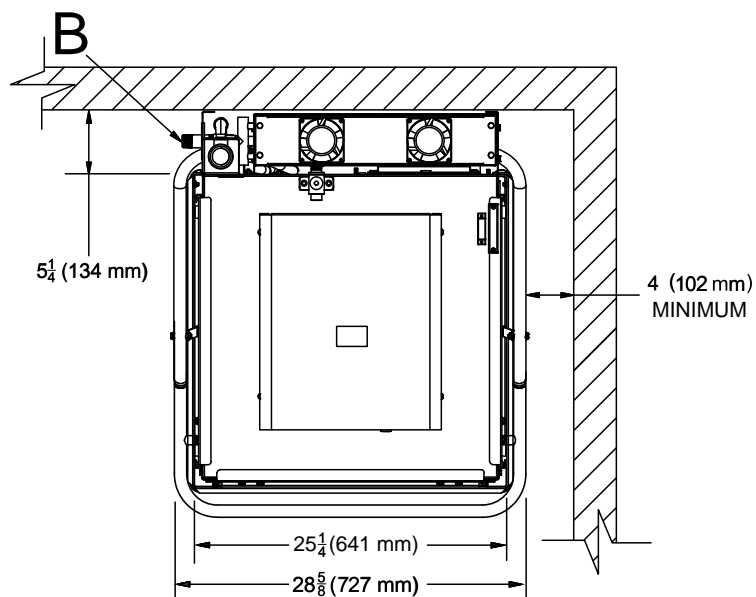
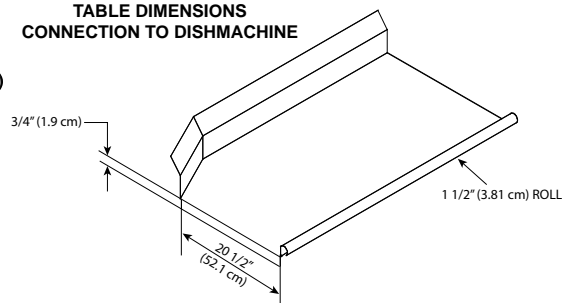


TABLE DIMENSIONS CONNECTION TO DISHMACHINE



www.jacksonwws.com



TempStar® with Ventless and Energy Recovery

| MODEL NO. | MACHINE DIMENSIONS | | | | | DRAIN HEIGHT | SHIPPING INFORMATION | | | | |
|-------------------|--------------------|---------------------|----------------------|---------------------|---------------------|---------------------|----------------------|---------------|----------------------|------------------|------------------|
| | HEIGHT | WIDTH | WIDTH BETWEEN TABLES | DEPTH | WEIGHT | | CLASS | CUBE | HEIGHT | WIDTH | DEPTH |
| TempStar VER | 82" (2083 mm) | 32" (813 mm) | 25-1/4" (641 mm) | 30-7/8" (785 mm) | 14" (356 mm) | 358 lbs (163 kg) | 200 | 87.79 cu. ft. | 86" (2185 mm) | 42" (1067 mm) | 42" (1067 mm) |
| TempStar HH-E VER | 93" (2362 mm) | 28-5/8" (727 mm) | 25-1/4" (641 mm) | 35-5/8" (905 mm) | 11-3/4" (298 mm) | 451 lbs (205 kg) | 200 | 84.35 cu. ft. | 82.625" (2099 mm) | 42" (1067 mm) | 42" (1067 mm) |

| DIMENSION REQUIREMENTS | | | |
|---|------------------|--|--|
| Wall Clearance (minimum) | 0" (0 mm) | | |
| Clearance above Heat Exchanger (minimum) | 6" (152 mm) | | |
| Standard Table Height | 34" (864 mm) | | |
| Inside Vertical Clearance - TempStar VER | 17-1/4" (438 mm) | | |
| Inside Vertical Clearance - TempStar HH-E VER | 27" (686 mm) | | |

| OPERATING CAPACITY | | | | |
|------------------------------------|----------|----------|----------|-------------|
| | Normal | Medium | Heavy | Extra Heavy |
| Racks per Hour - TempStar VER | 41 (39)* | 24 (23)* | 17 (16)* | 11 (10)* |
| Racks per Hour - TempStar HH-E VER | 40 (37)* | 23 (22)* | 16 (16)* | 10 (10)* |

| OPERATING TEMPERATURES | |
|------------------------------------|----------------|
| Wash (minimum) - TempStar VER | 150 °F (66 °C) |
| Wash (minimum) - TempStar HH-E VER | 155 °F (69 °C) |
| Rinse (minimum) | 180 °F (82 °C) |

| OPERATING CYCLE FOR TEMPSTAR VER | | | | | |
|----------------------------------|------|-------|-------|--------------------|-------------|
| | Wash | Rinse | Dwell | Condensate Removal | Total Cycle |
| Normal | 40 | 10 | 7 | 30 | 87 |
| Medium | 100 | 10 | 7 | 30 | 147 |
| Heavy | 160 | 10 | 7 | 30 | 207 |
| Extra Heavy | 280 | 10 | 7 | 30 | 327 |

| OPERATING CYCLE FOR TEMPSTAR HH-E VER | | | | | |
|---------------------------------------|------|-------|-------|--------------------|-------------|
| | Wash | Rinse | Dwell | Condensate Removal | Total Cycle |
| Normal | 40 | 10 | 10 | 30 | 90 |
| Medium | 103 | 10 | 10 | 30 | 153 |
| Heavy | 163 | 10 | 10 | 30 | 213 |
| Extra Heavy | 283 | 10 | 10 | 30 | 333 |

| WATER REQUIREMENTS | | TempStar VER | TempStar HH-E VER |
|--------------------------------|----------------------------|---------------------|-------------------|
| Inlet Temperature | 40 - 90 °F (4.4 - 32.2 °C) | | |
| Gallons per Hour | 36.49 gal (138.1 L) | 31.20 gal (118.1 L) | |
| Gallons per Hour** | 34.71 gal (131.4 L) | 28.86 gal (109.2 L) | |
| Gallons per Rack | 0.89 gal (3.4 L) | 0.78 gal (3.0 L) | |
| Waterline Size MIP (minimum) | 3/4" | 3/4" | |
| Drainline Size IPS (minimum) | 1- 1/2" | 1- 1/2" | |
| Flow Pressure (PSI) Connection | 40 | 40 | |
| Operating Flow Pressure (PSI) | 10 | 10 | |
| Wash Tank Capacity | 8 gal (30 L) | 8 gal (30 L) | |
| Booster Tank Capacity | 3 gal (11 L) | 3 gal (11 L) | |

HOW TO SPECIFY: TempStar® VER
 HOW TO SPECIFY: TempStar® HH-E VER

| ELECTRICAL REQUIREMENTS | | | | |
|-------------------------|--------------|------------|--------------------------|--------------------------------|
| Model | Power Supply | Total Load | Minimum Circuit Ampacity | Maximum Overcurrent Protection |
| TempStar VER | 208/60/3 | 45.6 A | 46.8 A | 50 A |
| | 230/60/3 | 49.8 A | 51.1 A | 60 A |
| | 460/60/3 | 24.2 A | 24.7 A | 30 A |
| | 208/60/1 | 75.2 A | 76.5 A | 80 A |
| | 230/60/1 | 82.7 A | 83.9 A | 90 A |
| TempStar HH-E VER | 208/60/3 | 51.8 A | 54.6 A | 70 A |
| | 230/60/3 | 56.0 A | 58.8 A | 70 A |
| | 460/60/3 | 25.7 A | 26.5 A | 30 A |
| | 208/60/1 | 81.4 A | 84.2 A | 100 A |
| | 230/60/1 | 88.9 A | 91.7 A | 100 A |

| TANK HEATER SPECIFICATIONS | | |
|---|-------|------|
| | Volts | KW |
| Electric Wash Tank Heater | 208V | 4.1 |
| | 230V | 5.0 |
| | 460V | 5.0 |
| Electric Rinse Tank Heater - 70°F (38.9°C) Rise | 208V | 10.5 |
| | 230V | 12.9 |
| | 460V | 12.9 |

| WASH PUMP MOTOR | |
|-------------------------------------|------|
| Wash Pump Motor - TempStar VER | 1 hp |
| Wash Pump Motor - TempStar HH-E VER | 2 hp |

| AMBIENT HEAT LOAD (as tested on standard height model) | |
|--|------|
| Latent Heat (BTU) | 5300 |
| Sensible Heat (BTU) | 4500 |

*Racks per hour calculated with NSF suggested load time of five (5) seconds for door-type (straight thru)
 **Gallons per hour calculated with NSF suggested load time of five (5) seconds for door-type (straight thru)

Jackson WWS, Inc.
 Shipping Address: 6209 North U.S. Highway 25E, Gray, KY 40734
 Mailing Address: P.O. Box 1060, Barbourville, KY 40906
 Telephone: 888-800-5672 • Fax: 606-523-1799
 Email: info@jacksonwws.com
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www.jacksonwws.com

ROADSIDE 2.0
 PROJECT MANUAL

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**John
BOOS**
Since 1887

TAG: 15 & 16

ITEM #: _____ QTY: _____
 MODEL #: _____
 PROJECT NAME: _____

081619

3601 S. Banker St. Effingham, IL 62401 • P.O. BOX 609 • Ph: (888) 431-2667 • Fax: (800) 433-2667

"ST4-SSK" STAINLESS STEEL TOP WORK TABLES



14GA TOP AND STAINLESS STEEL LEGS AND ADJUSTABLE UNDERSHELF

FEATURES:

- 14 GAUGE STAINLESS STEEL TOP
- TYPE 300 STAINLESS STEEL WITH # 4 POLISH, SATIN FINISH
- TOP IS SOUND DEADENED
- REINFORCED WITH 1"X2" CHANNEL RUNNING ENTIRE LENGTH OF TABLE
- 1-1/2" STALLION EDGE ON FRONT AND REAR WITH SIDE EDGES 90 DEGREE BEND DOWN FOR TABLE LINE-UP
- STAINLESS BASE WITH ADJUSTABLE UNDERSHELF
- ADJUSTABLE BULLET FEET
- SHIPPED KNOCKED-DOWN, EASY-TO-ASSEMBLE
- NSF AND CSA CERTIFIED



ST4-3048SSK

CONSTRUCTION:

- TOP: STAINLESS STEEL TOPS ARE TIG WELDED, EXPOSED WELDS ARE POLISHED TO MATCH ADJACENT SURFACE.

MATERIAL:

- TOP: 14 GAUGE STAINLESS STEEL TYPE 300 STAINLESS STEEL WITH # 4 POLISH, SATIN FINISH
- SHELF: 18 GAUGE STAINLESS STEEL (36" WIDE TABLES, 16 GAUGE LOWER SHELF)
- LEGS: 1-5/8" ROUND O.D., 16 GAUGE TUBULAR STAINLESS STEEL
- GUSSETS: STAINLESS STEEL
- FEET: 1" ADJUSTABLE STAINLESS STEEL BULLET FEET

OPTIONAL ACCESSORIES

| DESCRIPTION | QTY |
|-------------|-----|
| DRAWER | |
| DRAWER LOCK | |
| CASTERS | |
| OVERSHELVES | |
| SINKS | |
| POT RACK | |

14 GAUGE TOP W/ ADJUSTABLE BRACING

| 24" WIDE | QTY | 30" WIDE | QTY | 36" WIDE | QTY | 48" WIDE | QTY |
|--------------|-----|--------------|-----|--------------|-----|--------------|-----|
| ST4-2424SSK | | ST4-3024SSK | | ST4-3624SSK | | - | |
| ST4-2430SSK | | ST4-3030SSK | | ST4-3630SSK | | - | |
| ST4-2436SSK | | ST4-3036SSK | | ST4-3636SSK | | - | |
| ST4-2448SSK | | ST4-3048SSK | | ST4-3648SSK | | ST4-4848SSK | |
| ST4-2460SSK | | ST4-3060SSK | | ST4-3660SSK | | ST4-4860SSK | |
| ST4-2472SSK | | ST4-3072SSK | | ST4-3672SSK | | ST4-4872SSK | |
| ST4-2484SSK | | ST4-3084SSK | | ST4-3684SSK | | ST4-4884SSK | |
| ST4-2496SSK | | ST4-3096SSK | | ST4-3696SSK | | ST4-4896SSK | |
| ST4-24108SSK | | ST4-30108SSK | | ST4-36108SSK | | ST4-48108SSK | |
| ST4-24120SSK | | ST4-30120SSK | | ST4-36120SSK | | ST4-48120SSK | |
| ST4-24132SSK | | ST4-30132SSK | | ST4-36132SSK | | ST4-48132SSK | |
| ST4-24144SSK | | ST4-30144SSK | | ST4-36144SSK | | ST4-48144SSK | |

DETAILED SPECIFICATIONS

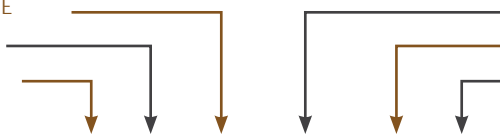
- UNITS 7 FT. AND LARGER ARE FURNISHED WITH SIX LEGS.
- FINISHED SIZE OF UNDERSHELF.
SHELF LENGTH = LENGTH MINUS 4.875"
SHELF WIDTH = WIDTH MINUS 4.25

14 GAUGE TOP W/ ADJUSTABLE UNDERSHELF

| LENGTH | 24" WIDE | WT. (LBS) | 30" WIDE | WT. (LBS) | 36" WIDE | WT. (LBS) | 48" WIDE | WT. (LBS) |
|--------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
| 24" | ST4-2424SSK | 46 | ST4-3024SSK | 52 | ST4-3624SSK | 61 | - | - |
| 30" | ST4-2430SSK | 52 | ST4-3030SSK | 58 | ST4-3630SSK | 70 | - | - |
| 36" | ST4-2436SSK | 58 | ST4-3036SSK | 67 | ST4-3636SSK | 81 | - | - |
| 48" | ST4-2448SSK | 72 | ST4-3048SSK | 82 | ST4-3648SSK | 100 | ST4-4848SSK | 121 |
| 60" | ST4-2460SSK | 85 | ST4-3060SSK | 98 | ST4-3660SSK | 120 | ST4-4860SSK | 151 |
| 72" | ST4-2472SSK | 98 | ST4-3072SSK | 113 | ST4-3672SSK | 139 | ST4-4872SSK | 175 |
| 84" | ST4-2484SSK | 119 | ST4-3084SSK | 137 | ST4-3684SSK | 168 | ST4-4884SSK | 212 |
| 96" | ST4-2496SSK | 132 | ST4-3096SSK | 153 | ST4-3696SSK | 188 | ST4-4896SSK | 241 |
| 108" | ST4-24108SSK | 145 | ST4-30108SSK | 168 | ST4-36108SSK | 209 | ST4-48108SSK | 265 |
| 120" | ST4-24120SSK | 158 | ST4-30120SSK | 184 | ST4-36120SSK | 229 | ST4-48120SSK | 293 |
| 132" | ST4-24132SSK | 171 | ST4-30132SSK | 200 | ST4-36132SSK | 248 | ST4-48132SSK | 319 |
| 144" | ST4-24144SSK | 184 | ST4-30144SSK | 216 | ST4-36144SSK | 268 | ST4-48144SSK | 344 |

MODEL # STRUCTURE

24 = WIDTH OF WORK SURFACE
 4 = 14GA WORK SURFACE
 ST = STAINLESS STEEL TOP



30 = LENGTH OF WORK SURFACE
 SS = STAINLESS LEGS & SHELF
 K = K.D. W/ ADJUSTABLE BRACING

ST4-2430SSK

SOME UNITS SHIP UNASSEMBLED FOR REDUCED SHIPPING COST. ALL DIMENSIONS ARE TYPICAL. TOLERANCE +/- .500"

John Boos & Co. is constantly engaged in a program of improving products and therefore reserves the right to change specifications without prior notice.



TRUE MANUFACTURING CO., INC.
U.S.A FOODSERVICE DIVISION

2001 East Terra Lane • O'Fallon, Missouri 63366-4434 • (636)240-2400
 Fax (636)272-2408 • Toll Free (800)325-6152 • Intl Fax# (001)636-272-7546
 Parts Dept. (800)424-TRUE • Parts Dept. Fax# (636)272-9471 • www.truemfg.com

Project Name: _____ **TAG: 25** A/A #
 Location: _____ SIS #
 Item #: _____ Qty: _____
 Model #: _____

Model:
GDM-23F-HC~TSL01

Glass Door Merchandiser:

Swing Door Freezer with Hydrocarbon Refrigerant~True Standard Look Version 01



GDM-23F-HC~TSL01

- ▶ The world's #1 manufacturer of glass door merchandisers.
- ▶ Designed using the highest quality materials and components to provide the user with an attractive, point of purchase merchandiser that brilliantly displays frozen food and ice cream, resulting in high impulse sales.
- ▶ Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydro carbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
- ▶ Oversized, factory balanced, refrigeration system holds -10°F (-23.3°C). Ideal for ice cream and frozen food products.
- ▶ Exterior - non-peel or chip white powder coated cold rolled steel; durable and permanent.
- ▶ Interior - attractive, white aluminum interior liner with stainless steel floor.
- ▶ Self closing door. Positive seal, torsion type closure system.
- ▶ Triple pane thermal glass door assembly with extruded aluminum frame.
- ▶ LED interior lighting provides more even lighting throughout the cabinet. Safety shielded.
- ▶ Entire cabinet structure is foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).

Bottom mounted units feature

- ▶ "No stoop" lower shelf to maximize product visibility.
- ▶ Easily accessible condenser coil for cleaning.

Exterior Color Options



ROUGH-IN DATA

Specifications subject to change without notice.
 Chart dimensions rounded up to the nearest 1/8" (millimeters rounded up to next whole number).

| Model | Doors | Shelves | Cabinet Dimensions (inches) (mm) | | | HP | Voltage | Amps | NEMA Config. | Cord Length (total ft.) (total m) | Crated Weight (lbs.) (kg) |
|------------------|-------|---------|----------------------------------|---------------|----------------|------------|----------|------------|--------------|-----------------------------------|---------------------------|
| | | | W | D† | H | | | | | | |
| GDM-23F-HC~TSL01 | 1 | 4 | 27 686 | 29 7/8 759 | 78 5/8 1998 | 1/2 N/A | 115/60/1 | 4.4 N/A | 5-15P ▲ | 9 2.74 | 355 162 |

† Depth does not include 1 1/8" (42 mm) for door handle.

▲ Plug type varies by country.

| | | |
|-------------------------|--------------------------|---|
| | <p>APPROVALS:</p> | <p>AVAILABLE AT:</p> <p style="text-align: center;">ROADSIDE 2.0 PROJECT MANUAL</p> |
| 10/21 Printed in U.S.A. | | |

Model:
GDM-23F-HC-TSL01

Glass Door Merchandiser: Swing Door Freezer with Hydrocarbon Refrigerant~True Standard Look Version 01



STANDARD FEATURES

DESIGN

- True's glass door freezers are designed with enduring quality that protects your long term investment.
- True's commitment to using the highest quality materials and oversized refrigeration systems provides the user with colder product temperatures, and lower utility costs in an attractive merchandiser that brilliantly displays frozen food and ice cream.

REFRIGERATION SYSTEM

- Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydrocarbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
- High capacity, factory balanced refrigeration system that maintains -10°F (-23.3°C) temperatures. Ideal for both frozen foods and ice cream.
- State of the art, electronically commutated evaporator and condenser fan motors. ECM motors operate at higher peak efficiencies and move a more consistent volume of air which produces less heat, reduces energy consumption and provides greater motor reliability.
- Bottom mounted condensing unit positioned for easy maintenance. "No stoop" lower shelf maximizes visibility by raising merchandised product to higher level.
- Automatic defrost system time-initiated, temperature-terminated. Saves energy consumption and provides shortest possible defrost cycle.

CABINET CONSTRUCTION

- Exterior - non-peel or chip white powder coated cold rolled steel; durable and permanent.
- Interior - attractive, white aluminum liner with stainless steel floor.
- Insulation - entire cabinet structure is foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).
- Welded, heavy duty steel frame rail, black powder coated for corrosion protection.
- Frame rail fitted with leg levelers.
- Illuminated exterior sign panel. Variety of sign options available.

DOOR

- Triple pane thermal insulated glass door assembly with extruded aluminum frame.
- Door fitted with 12" (305 mm) long extruded handle.
- Self closing door. Positive seal, torsion type closure system.
- Magnetic door gaskets of one piece construction, removable without tools for ease of cleaning.

SHELVING

- Four (4) adjustable, heavy duty PVC coated wire shelves 22 7/8" L x 21 1/4" D (582 mm x 540 mm). Four (4) chrome plated shelf clips included per shelf.
- Shelf support pilasters made of same material as cabinet interior; shelves are adjustable on 1/2" (13 mm) increments.

LIGHTING

- LED interior lighting provides more even lighting throughout the cabinet. Safety shielded.

MODEL FEATURES

- Evaporator is epoxy coated to eliminate the potential of corrosion.
- See our website www.truemfg.com for latest color and sign offerings.
- Backguard and floor rack ensure optimum airflow.
- Listed under NSF/ANSI Standard 7 for the storage and/or display of packaged or bottled product.

ELECTRICAL

- Unit completely pre-wired at factory and ready for final connection to a 115/60/1 phase, 15 amp dedicated outlet. Cord and plug set included.



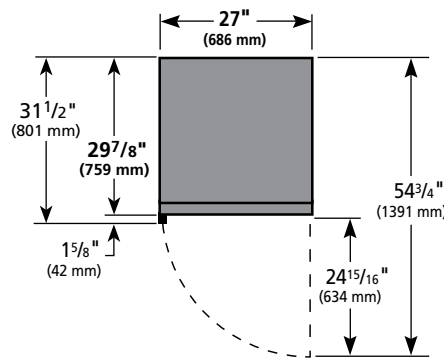
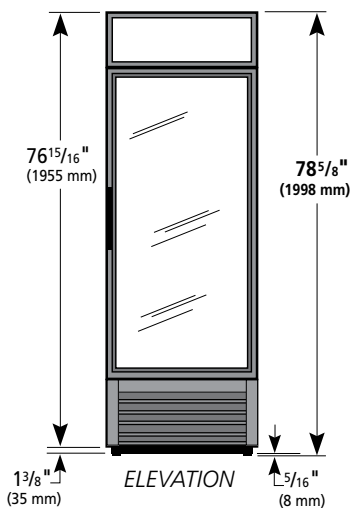
115/60/1
NEMA-5-15R

OPTIONAL FEATURES/ACCESSORIES

Upcharge and lead times may apply.

- Black exterior.
- Stainless exterior.
- Black aluminum interior liner with black shelving.
- Stainless interior liner.
- 6" (153 mm) standard legs.
- 6" (153 mm) seismic/flanged legs.
- 2 1/2" (64 mm) diameter castors.
- 4" (102 mm) diameter castors.
- Novelty baskets.
- Pricing strips.
- Barrel Locks located in grill assembly (requires one per door)

PLAN VIEW



3 YEAR PARTS + LABOR
7 YEAR COMPRESSOR
WARRANTY
(U.S.A. and Canada only)

METRIC DIMENSIONS ROUNDED UP TO THE NEAREST WHOLE MILLIMETER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



| Model | Elevation | Right | Plan | 3D | Back |
|------------------|-----------|-------|------|----|------|
| GDM-23F-HC-TSL01 | | | | | |



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Parts Dept. (800)424-TRUE • Parts Dept. Fax# (636)272-9471 • www.truemfg.com

Project Name: _____ **TAG: 26** A/A # _____
Location: _____
Item #: _____ Qty: _____ SIS # _____
Model #: _____

Model:
GDM-72-HC~TSL01

Glass Door Merchandiser:

Swing Door Refrigerator with Hydrocarbon Refrigerant~True Standard Look Version 01



GDM-72-HC~TSL01

- ▶ The world's #1 manufacturer of glass door merchandisers.
- ▶ High capacity, factory balanced, refrigeration system holds 33°F to 38°F (.5°C to 3.3°C) for best food preservation in extreme conditions.
- ▶ Exterior - non-peel or chip black powder coated cold rolled steel; durable and permanent.
- ▶ Interior - attractive, white aluminum interior liner with stainless steel floor.
- ▶ Double pane thermal insulated glass swing doors. Black powder coated.
- ▶ Self closing doors. Positive seal, torsion type closure system.
- ▶ LED interior lighting provides more even lighting throughout the cabinet. Safety shielded.
- ▶ Entire cabinet structure is foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).

Bottom mounted units feature

- ▶ "No stoop" lower shelf to maximize product visibility.
- ▶ Storage on top of cabinet.
- ▶ Easily accessible condenser coil for cleaning.

Exterior Color Options



Standard Black Exterior



Optional White Exterior



Optional Stainless Exterior

ROUGH-IN DATA

Specifications subject to change without notice.
Chart dimensions rounded up to the nearest 1/8" (millimeters rounded up to next whole number).

| Model | Doors | Shelves | Cabinet Dimensions (inches) (mm) | | | HP | Voltage | Amps | NEMA Config. | Cord Length (total ft.) (total m) | Crated Weight (lbs.) (kg) |
|-----------------|-------|---------|----------------------------------|---------------|----------------|------------|----------|------------|--------------|-----------------------------------|---------------------------|
| | | | W | D† | H | | | | | | |
| GDM-72-HC~TSL01 | 3 | 12 | 78 1/8 1985 | 29 7/8 759 | 78 5/8 1998 | 1/2 N/A | 115/60/1 | 9.3 N/A | 5-15P | 9 2.74 | 630 286 |

† Depth does not include 1 3/8" (35 mm) for door handles.

MADE WITH INNOVATION IN THE USA
7 YEAR WARRANTY USA and Canada
UL US
ENERGY STAR
natural refrigerant.

2/22 Printed in U.S.A.

APPROVALS:

AVAILABLE AT:
ROADSIDE 2.0 PROJECT MANUAL

Model:
GDM-72-HC~TSL01

Glass Door Merchandiser:
Swing Door Refrigerator with Hydrocarbon Refrigerant~True Standard Look Version 01



STANDARD FEATURES

DESIGN

- True's commitment to using the highest quality materials and oversized refrigeration systems provides the user with colder product temperatures, and lower utility costs in an attractive merchandiser that brilliantly displays packaged food and beverages.

REFRIGERATION SYSTEM

- Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydrocarbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
- High capacity, factory balanced refrigeration system that maintains cabinet temperatures of 33°F to 38°F (.5°C to 3.3°C) for the best in food preservation.
- State of the art, electronically commutated evaporator and condenser fan motors. ECM motors operate at higher peak efficiencies and move a more consistent volume of air which produces less heat, reduces energy consumption and provides greater motor reliability.
- Bottom mounted condensing unit positioned for easy maintenance. "No stoop" lower shelf maximizes visibility by raising merchandised product to higher level.

CABINET CONSTRUCTION

- Exterior - non-peel or chip black powder coated cold rolled steel; durable and permanent.
- Interior - attractive, white aluminum liner with stainless steel floor.

- Insulation - entire cabinet structure is foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).
- Welded, heavy duty steel frame rail, black powder coated for corrosion protection.
- Frame rail fitted with leg levelers.

DOORS

- Double pane thermal insulated glass swing doors. Black powder coated frames.
- Each door fitted with 12" (305 mm) long extruded handle.
- Self closing doors. Positive seal, torsion type closure system.
- Magnetic door gaskets of one piece construction, removable without tools for ease of cleaning.

SHELVING

- Twelve (12) adjustable, heavy duty PVC coated wire shelves 24 1/8" L x 20 3/4" D (613 mm x 528 mm). Four (4) chrome plated shelf clips included per shelf.
- Shelf support pilasters made of same material as cabinet interior; shelves are adjustable on 1/2" (13 mm) increments.

LIGHTING

- LED interior lighting provides more even lighting throughout the cabinet. Safety shielded.

MODEL FEATURES

- Evaporator is epoxy coated to eliminate the potential of corrosion.
- See our website www.truemfg.com for latest color and sign offerings.

- Convenient clean-out drain built in cabinet floor.
- Listed under NSF/ANSI Standard 7 for the storage and/or display of packaged or bottled product.

ELECTRICAL

- Unit completely pre-wired at factory and ready for final connection to a 115/60/1 phase, 15 amp dedicated outlet. Cord and plug set included.



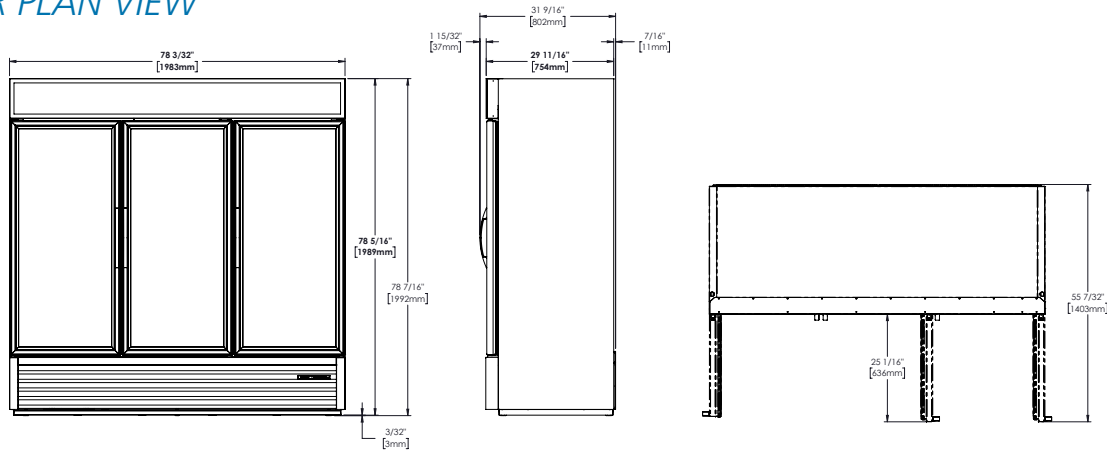
115/60/1
NEMA-5-15R

OPTIONAL FEATURES/ACCESSORIES

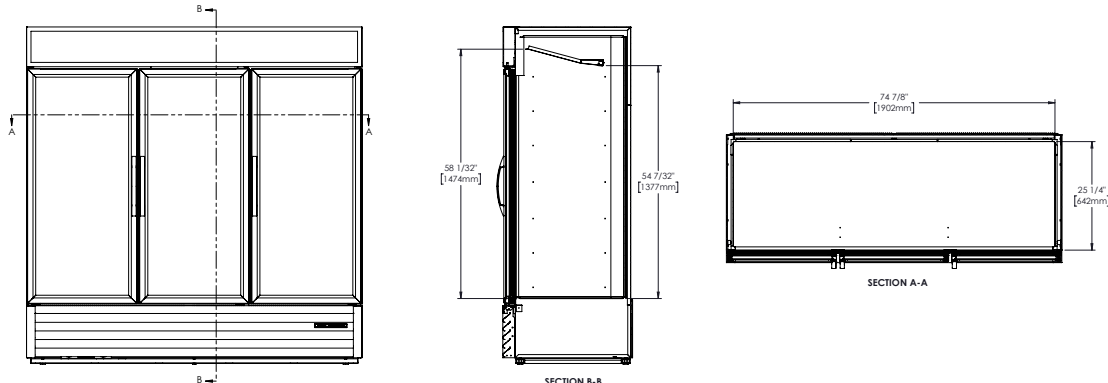
Upcharge and lead times may apply.

- White exterior.
- Stainless steel exterior.
- Black aluminum interior liner with black shelving.
- Stainless steel interior liner.
- 6" (153 mm) standard legs.
- 6" (153 mm) seismic/flanged legs.
- 2 1/2" (64 mm) diameter castors.
- 4" (102 mm) diameter castors.
- Red wine thermostat.
- White wine thermostat.
- Chocolate thermostat.
- Barrel Locks located in grill assembly (requires one per door)
- Wine racks.
- Additional shelves.
- TrueFlex gravity feed organizers.
- Pricing strips.

EXTERIOR PLAN VIEW



INTERIOR PLAN VIEW



METRIC DIMENSIONS ROUNDED UP TO THE NEAREST WHOLE MILLIMETER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



| Model | Elevation | Right | Plan | 3D | Back |
|-----------------|-----------|---------|---------|---------|------|
| GDM-72-HC~TSL01 | TFAY01E | TFAY01S | TFAY01P | TFAY013 | |



TRUE MANUFACTURING CO., INC.
U.S.A. FOODSERVICE DIVISION

2001 East Terra Lane • O'Fallon, Missouri 63366-4434 • (636)240-2400
Fax (636)272-2408 • Toll Free (800)325-6152 • Intl Fax# (001)636-272-7546
Parts Dept. (800)424-TRUE • Parts Dept. Fax# (636)272-9471 • www.truemfg.com

Project Name: _____ **TAG: 27** A/A #
 Location: _____
 Item #: _____ Qty: _____ SIS #
 Model #: _____

Model:
TCGG-60-HC-LD

Display Case:

Curved Glass Refrigerated Deli Case with Hydrocarbon Refrigerant and LED Lighting



TCGG-60-HC-LD

- ▶ True's curved glass deli case combines efficient, high volume merchandising and exceptional refrigeration with an elegant curved glass front for sophisticated presentation of deli products.
- ▶ High humidity gravity coil refrigeration system maintains 38°F to 40°F (3.3°C to 4.4°C) for the freshest display of meats, cheeses and deli products.
- ▶ Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydrocarbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
- ▶ Cabinet is NSF/ANSI Standard 7 certified to hold open food product.
- ▶ Insulated double panel curved front glass provides maximum insulation value for greater efficiency and energy savings. Both panes are tempered for safety.
- ▶ Four (4) adjustable, lighted, cantilevered PVC coated shelves.
- ▶ LED lights are low UV emitting to enhance product appearance and increase shelf life.
- ▶ White laminated vinyl exterior. Stainless steel top and trim.
- ▶ White aluminum interior sides and top. Stainless steel floor with covered corners.

ROUGH-IN DATA

Specifications subject to change without notice.
Chart dimensions rounded up to the nearest 1/8" (millimeters rounded up to next whole number).

| Model | Doors | Shelves | Cabinet Dimensions (inches) (mm) | | | HP | Voltage | Amps | NEMA Config. | Cord Length (total ft.) (total m) | Crated Weight (lbs.) (kg) |
|---------------|-------|---------|----------------------------------|------------|-------------|----------|----------|------------|--------------|-----------------------------------|---------------------------|
| | | | W | D† | H | | | | | | |
| TCGG-60-HC-LD | 2 | 4 | 60¼ 1531 | 35¼ 896 | 47¾ 1213 | ½ N/A | 115/60/1 | 5.3 N/A | 5-15P | 9 2.74 | 550 250 |

† Depth does not include 3/8" (23 mm) for door handles.

| | | |
|-------------------------------|--------------------------|---|
| <p>9/21 Printed in U.S.A.</p> | <p>APPROVALS:</p> | <p>AVAILABLE AT:</p> <p style="text-align: center;">ROADSIDE 2.0 PROJECT MANUAL</p> |
|-------------------------------|--------------------------|---|

Model:
TCGG-60-HC-LD

Display Case:
Curved Glass Refrigerated Deli Case with Hydrocarbon Refrigerant and LED Lighting



STANDARD FEATURES

DESIGN

- True's curved glass deli display case combines efficient, high volume merchandising and exceptional refrigeration with an elegant curved glass front for sophisticated presentation of deli products.
- Gravity coil refrigeration system guarantees the freshest display of meats, cheeses and deli products.

REFRIGERATION SYSTEM

- Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydrocarbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
- Extra large evaporator coil balanced with higher horsepower compressor and large condenser maintains 38°F to 40°F (3.3°C to 4.4°C).
- High humidity gravity coil refrigeration system. Ideally suited for deli meats, cheeses and salads.
- Condensing unit located behind panel in back of unit. Entire system slides out for easy cleaning and maintenance.
- Automatic defrost system; time-initiated, time-terminated.

CABINET CONSTRUCTION

- Exterior - durable and permanent no peel or chip white powder coated cold rolled steel with stainless steel top and trim.
- Interior - White aluminum sides and top with stainless steel floor.

- Insulation - entire cabinet structure is foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).
- Welded, heavy duty steel frame rail, black powder coated for corrosion protection.
- Frame rail fitted with leg levelers.

CURVED FRONT DISPLAY GLASS

- Insulated double pane glass provides maximum insulation value for greater efficiency and energy savings. Both panes are tempered for safety.

REAR DOORS

- "Low-E", double pane thermal glass inserts with mitered plastic channel frames.
- Each door fitted with 12" (305 mm) long molded plastic handle.
- Self-closing doors, efficient counter balanced weight system for smooth, even, positive closure. Sliding doors ride on stainless steel V-channel with stainless steel bearings. Doors fit within plastic channel frame.

SHELVING

- Four (4) adjustable, lighted, white heavy duty PVC coated wire shelves 22 1/2" L x 27 7/8" D (572 mm x 709 mm). Shelving system is cantilevered with adjustable angle to maximize presentation.

LIGHTING

- Cabinet equipped with five LED (5) light sources for maximum product display; four (4) shelf mounted and one (1) cabinet mounted.

MODEL FEATURES

- Evaporator is epoxy coated to eliminate the potential of corrosion.
- Four (4) amp exterior scale receptacle.
- NSF/ANSI Standard 7 compliant for open food product.

ELECTRICAL

- Unit completely pre-wired at factory and ready for final connection to a 115/60/1 phase, 15 amp dedicated outlet. Cord and plug set included.



RECOMMENDED OPERATING CONDITIONS

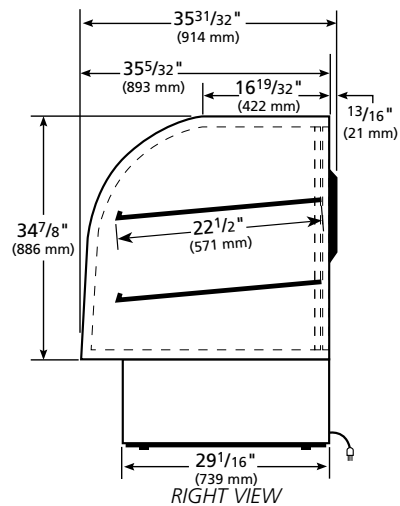
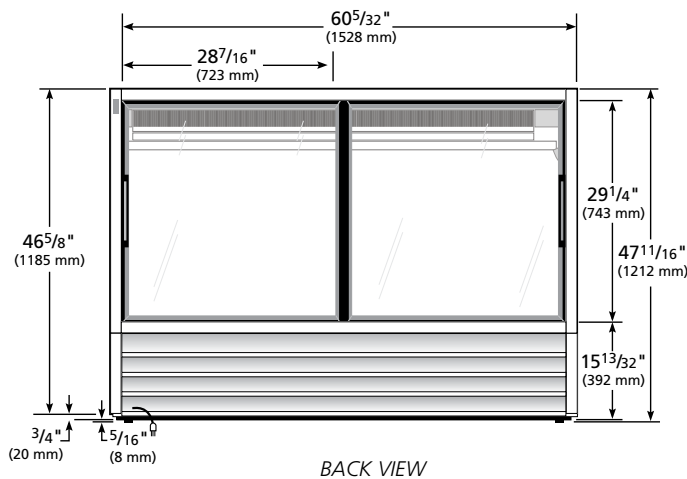
- TCGG refrigerated models are designed to operate in an environment where temperature and humidity do not exceed 75°F (24°C) and 55% relative humidity.

OPTIONAL FEATURES/ACCESSORIES

Upcharge and lead times may apply.

- 6" (153 mm) standard legs.
- 6" (153 mm) seismic/flanged legs.
- 2 1/2" (64 mm) diameter castors.
- 4" (102 mm) diameter castors.
- Ratchet locks.
- Additional lighted shelves.
- Non-lighted shelves.

PLAN VIEW



3 YEAR PARTS + LABOR **7 YEAR COMPRESSOR**

WARRANTY
(U.S.A. and Canada only)

METRIC DIMENSIONS ROUNDED UP TO THE NEAREST WHOLE MILLIMETER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



| | | | | | |
|---------------|-----------|-------|------|----|------|
| Model | Elevation | Right | Plan | 3D | Back |
| TCGG-60-HC-LD | | | | | |

TRUE MANUFACTURING CO., INC.



TAG: 2

ITEM #: _____ QTY: _____
 MODEL #: _____
 PROJECT NAME: _____

080717

3601 S. Banker St. Effingham, IL 62401 • P.O. BOX 609 • Ph: (888) 431-2667 • Fax: (800) 433-2667

**"PBMS" PRO-BOWL MOP SINKS - STAINLESS STEEL 16GA
 FLOOR MOUNTED W/ HEAVY DUTY FLAT DRAIN**

FEATURES:

- FLOOR MOUNTED UNIT ELIMINATES THE NEED OF LIFTING HEAVY CONTAINERS
- TILE EDGE ON REAR OF SINK
- MARINE EDGE ALL AROUND
- RECTANGULAR BOWL FOR INCREASED CAPACITY WITH LARGE 3/4" RADIUS CORNERS
- STAINLESS STEEL APRON ON FRONT AND SIDES FOR EASE OF CLEANING



PBMS-2016-6

CONSTRUCTION:

- ALL TIG WELDED, EXPOSED WELDS ARE POLISHED TO MATCH ADJACENT SURFACE

MATERIAL:

- 16 GAUGE TYPE 300 STAINLESS STEEL



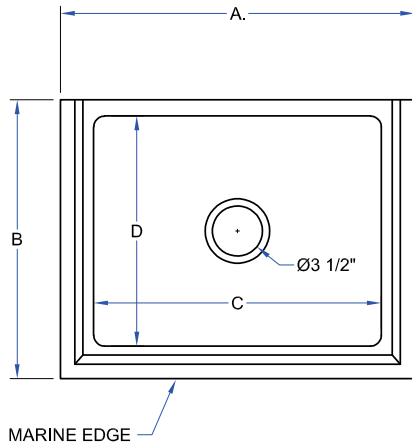
PBMS-2820-12

PRO-BOWL MOP SINKS - STAINLESS STEEL 16GA

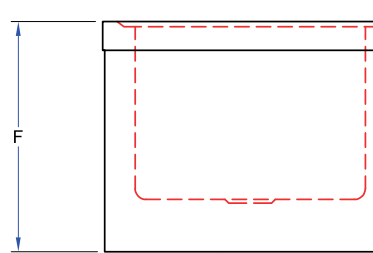
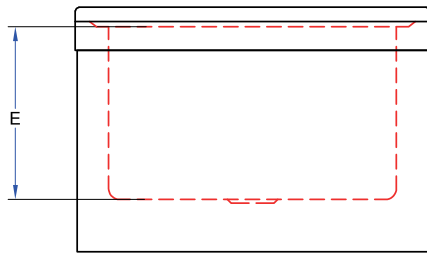
| MODEL # | QTY |
|-------------|-----|
| PBMS2016-6 | |
| PBMS2016-12 | |
| PBMS2820-6 | |
| PBMS2820-12 | |
| PBMS2424-12 | |

DETAILED SPECIFICATIONS

DIMENSIONS



| MODEL | A | B | C | D | E | F |
|-------------|--------|--------|----|----|----|----|
| PBMS2016-6 | 24-5/8 | 19-3/8 | 20 | 16 | 6 | 10 |
| PBMS2016-12 | 24-5/8 | 19-3/8 | 20 | 16 | 12 | 16 |
| PBMS2820-6 | 32-5/8 | 23-1/8 | 28 | 20 | 6 | 10 |
| PBMS2820-12 | 32-5/8 | 23-1/8 | 28 | 20 | 12 | 16 |
| PBMS2424-12 | 28-5/8 | 27-3/8 | 24 | 24 | 12 | 16 |



3 SIDED SKIRT OPEN IN BACK.
1" FLANGE ON BOTTOM.

ECONOMY MOP SINKS - STAINLESS STEEL 16GA

| MODEL # | DRAIN SIZE | WATER LEVEL | BOWL SIZE | DIMENSIONS (L X W) | WT. (LBS) |
|-------------|------------|-------------|-----------|--------------------|-----------|
| PBMS2016-6 | 3-1/2" | 6" | 20" X 16" | 24-5/8" X 19-3/8" | 35 |
| PBMS2016-12 | 3-1/2" | 12" | 20" X 16" | 24-5/8" X 19-3/8" | 45 |
| PBMS2820-6 | 3-1/2" | 6" | 28" X 20" | 32-5/8" X 23-1/8" | 50 |
| PBMS2820-12 | 3-1/2" | 12" | 28" X 20" | 32-5/8" X 23-1/8" | 70 |
| PBMS2424-12 | 3-1/2" | 12" | 24" X 24" | 28-5/8" X 27-3/8" | 70 |

SOME UNITS SHIP UNASSEMBLED FOR REDUCED SHIPPING COST. ALL DIMENSIONS ARE TYPICAL. TOLERANCE +/- .500"
John Boos & Co. is constantly engaged in a program of improving products and therefore reserves the right to change specifications without prior notice.



**John
BOOS**
Since 1887

TAG: 3

ITEM #: _____ QTY: _____
MODEL #: _____
PROJECT NAME: _____

020121

3601 S. Banker St. Effingham, IL 62401 • P.O. BOX 609 • Ph: (888) 431-2667 • Fax: (800) 433-2667

FAUCETS & PARTS



PBF-FV2-SM-35GLF



PB-KV1-SM-35GLF



PB-KV1-DM-35GLF



PB-KV2-SM-35GLF



PB-KV2-DM-35GLF



PB-WR



PB-LWR-1



PB-PT1.5



PBF-SS-6

FAUCETS & PARTS

| | MODEL # | QTY | DESCRIPTION | WT. |
|-------------------------------------|------------------|-----|--|-----|
| FOOT VALVE | PBF-FV2-SM-35GLF | | W/ 3-1/2" GOOSENECK SPOUT (LOW LEAD) | 3 |
| KNEE VALVE | PBF-KV1-SM-35GLF | | SINGLE PEDAL, SPLASH MOUNT, 3.5" GOOSE NECK (LOW LEAD) | 3 |
| | PBF-KV1-DM-35GLF | | SINGLE PEDAL, DECK MOUNT, 3.5" GOOSE NECK (LOW LEAD) | 2.5 |
| | PBF-KV2-SM-35GLF | | DOUBLE PEDAL, SPLASH MOUNT, 3.5" GOOSE NECK (LOW LEAD) | 2 |
| | PBF-KV2-DM-35GLF | | DOUBLE PEDAL, DECK MOUNT, 3.5" GOOSE NECK (LOW LEAD) | 4 |
| WRIST BLADES | PB-WR | | ADA, STAINLESS STEEL, (1 PAIR), USE W/ HEAVY DUTY FAUCETS ONLY | 1 |
| TWIST ACTION LEVER DRAINS | PB-LWR-1 | | FITS 3-1/2" DRAIN OPENING, 2" OUTLET | 4 |
| | PB-LWR-10V | | FITS 3-1/2" DRAIN OPENING, 2" OUTLET, W/ OVERFLOW | 4 |
| STRAIGHT ACTION LEVER DRAINS | PB-LWS-1 | | FITS 3-1/2" DRAIN OPENING, 2" OUTLET | 4 |
| | PB-LWS-10V | | W/ OVERFLOW, FITS 3-1/2" DRAIN OPENING | 4 |
| P-TRAPS | PB-PT1.5 | | FOR HAND SINKS, P-TRAP 1-1/2" & TAIL PIPE | 7 |
| MOP SINK FAUCET | PBF-SS-6 | | VACUUM BREAKER NOZZLE W/ 3-4" GARDEN HOSE THREAD, PAIL HOOK, TOP SUPPORT ARM, 1/2" NPT FEMALE FLANGED, W/ ADJUSTABLE INLET W/ SCREWDRIVER STOP | 5 |
| MOUNTING KIT | PB-DMMK | | FOR DECK MOUNT, INCLUDES (2) 1/2" SUPPLY NIPPLES, (2) RETAINER NUTS, (2) LOCK WASHERS & (2) RUBBER WASHERS | 1 |
| | PB-SMMK-90 | | FOR SPLASH MOUNT, INCLUDES (2) 1/2" SUPPLY NIPPLES, (2) RETAINER NUTS, (2) LOCK WASHERS, (2) RUBBER WASHERS & (2) MALE & FEMALE SHORT 90° ELBOWS | 1 |

SOME UNITS SHIP UNASSEMBLED FOR REDUCED SHIPPING COST. ALL DIMENSIONS ARE TYPICAL. TOLERANCE +/- .500"

John Boos & Co. is constantly engaged in a program of improving products and therefore reserves the right to change specifications without prior notice.



3601 S. Banker St. • Effingham, IL 62401 • PO BOX 609 • quote

ITEM #: _____ QTY: _____
 MODEL #: _____
 PROJECT NAME: _____

051519

3601 S. Banker St. Effingham, IL 62401 • P.O. BOX 609 • Ph: (888) 431-2667 • Fax: (800) 433-2667

**"PBHS-KV" PRO-BOWL HAND SINK - HANDS FREE
 W/KNEE VALVE**



FEATURES:

- ONE PIECE DEEP DRAWN BOWL
- INCLUDES 5" DECKMOUNT GOOSENECK
- INCLUDES 3-1/2" DRAIN W/BASKET
- INCLUDES DUAL PEDAL KNEE VALVE

CONSTRUCTION:

- BOWL: STAINLESS STEEL TOPS ARE TIG WELDED, EXPOSED WELDS ARE POLISHED TO MATCH ADJACENT SURFACE.

MATERIAL:

- BOWL: TYPE 300 STAINLESS STEEL POLISH, SATIN FINISH
- BRACKET: TYPE 300 STAINLESS STEEL POLISH, SATIN FINISH

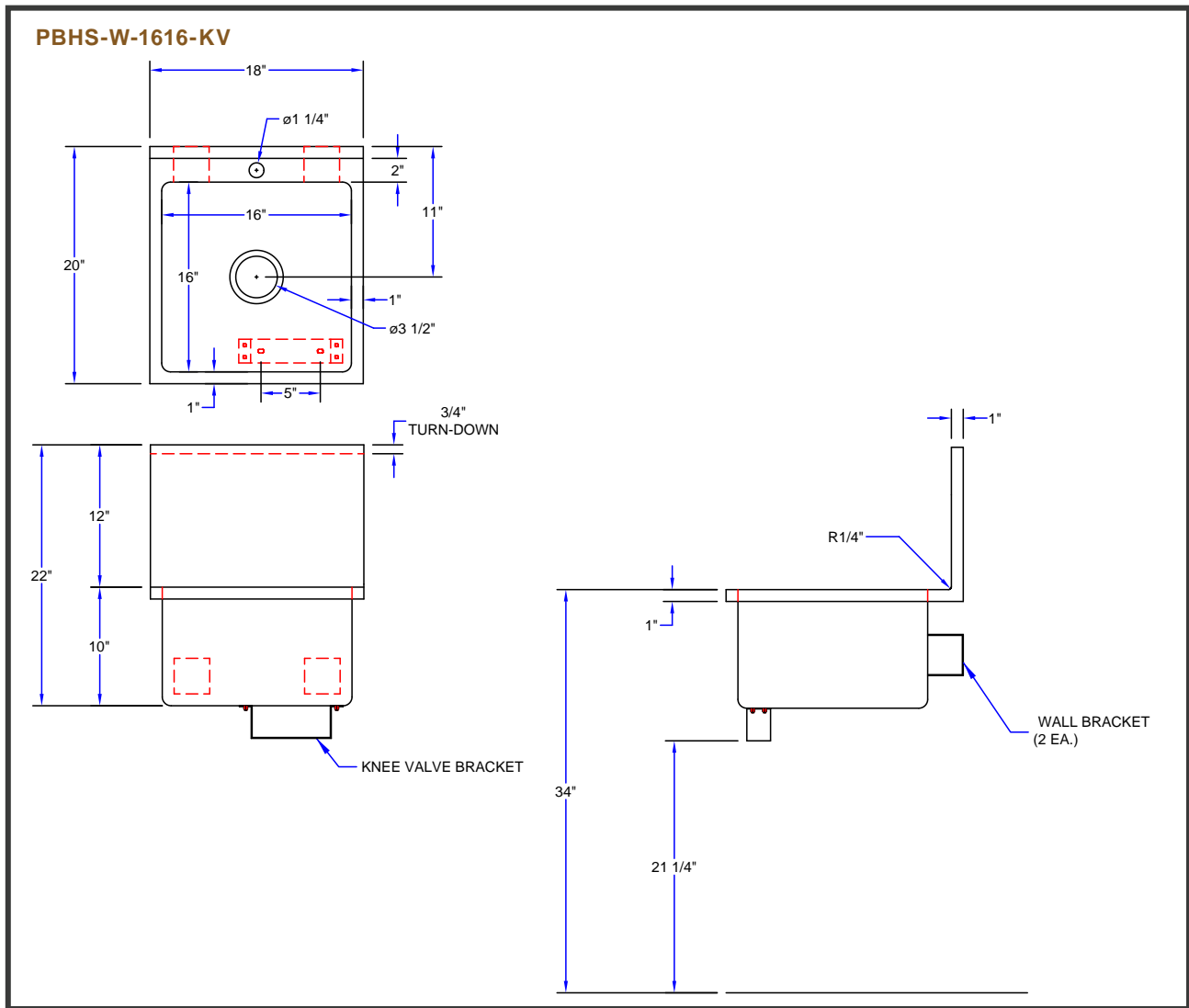


PBHS-W-1616-KV

PRO-BOWL HAND SINK - KNEE VALVE

| MODEL # | QTY |
|----------------|-----|
| PBHS-W-1616-KV | |

DETAILED SPECIFICATIONS



PRO-BOWL HAND SINK - KNEE VALVE

| MODEL # | BOWL SIZE (LxWxD) | DRAIN SIZE | FAUCET LOCATION |
|----------------|-------------------|------------|-----------------------------|
| PBHS-W-1616-KV | 16" X 16" X 10" | 3-1/2" | DECK MOUNT: 1 HOLE CENTERED |

SOME UNITS SHIP UNASSEMBLED FOR REDUCED SHIPPING COST. ALL DIMENSIONS ARE TYPICAL. TOLERANCE +/- .500"
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3601 S. Banker St. • Effingham, IL 62401 • PO BOX 609 • quote@johnboos.com

051519



**John
BOOS**
Since 1887

TAG: 18

ITEM #: _____ QTY: _____
MODEL #: _____
PROJECT NAME: _____

020121

3601 S. Banker St. Effingham, IL 62401 • P.O. BOX 609 • Ph: (888) 431-2667 • Fax: (800) 433-2667

FAUCETS & PARTS



PBF-FV2-SM-35GLF



PB-KV1-SM-35GLF



PB-KV1-DM-35GLF



PB-KV2-SM-35GLF



PB-KV2-DM-35GLF



PB-WR



PB-LWR-1



PB-PT1.5



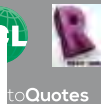
PBF-SS-6

FAUCETS & PARTS

| | MODEL # | QTY | DESCRIPTION | WT. |
|-------------------------------------|------------------|-----|--|-----|
| FOOT VALVE | PBF-FV2-SM-35GLF | | W/ 3-1/2" GOOSENECK SPOUT (LOW LEAD) | 3 |
| KNEE VALVE | PBF-KV1-SM-35GLF | | SINGLE PEDAL, SPLASH MOUNT, 3.5" GOOSE NECK (LOW LEAD) | 3 |
| | PBF-KV1-DM-35GLF | | SINGLE PEDAL, DECK MOUNT, 3.5" GOOSE NECK (LOW LEAD) | 2.5 |
| | PBF-KV2-SM-35GLF | | DOUBLE PEDAL, SPLASH MOUNT, 3.5" GOOSE NECK (LOW LEAD) | 2 |
| | PBF-KV2-DM-35GLF | | DOUBLE PEDAL, DECK MOUNT, 3.5" GOOSE NECK (LOW LEAD) | 4 |
| WRIST BLADES | PB-WR | | ADA, STAINLESS STEEL, (1 PAIR), USE W/ HEAVY DUTY FAUCETS ONLY | 1 |
| TWIST ACTION LEVER DRAINS | PB-LWR-1 | | FITS 3-1/2" DRAIN OPENING, 2" OUTLET | 4 |
| | PB-LWR-10V | | FITS 3-1/2" DRAIN OPENING, 2" OUTLET, W/ OVERFLOW | 4 |
| STRAIGHT ACTION LEVER DRAINS | PB-LWS-1 | | FITS 3-1/2" DRAIN OPENING, 2" OUTLET | 4 |
| | PB-LWS-10V | | W/ OVERFLOW, FITS 3-1/2" DRAIN OPENING | 4 |
| P-TRAPS | PB-PT1.5 | | FOR HAND SINKS, P-TRAP 1-1/2" & TAIL PIPE | 7 |
| MOP SINK FAUCET | PBF-SS-6 | | VACUUM BREAKER NOZZLE W/ 3-4" GARDEN HOSE THREAD, PAIL HOOK, TOP SUPPORT ARM, 1/2" NPT FEMALE FLANGED, W/ ADJUSTABLE INLET W/ SCREWDRIVER STOP | 5 |
| MOUNTING KIT | PB-DMMK | | FOR DECK MOUNT, INCLUDES (2) 1/2" SUPPLY NIPPLES, (2) RETAINER NUTS, (2) LOCK WASHERS & (2) RUBBER WASHERS | 1 |
| | PB-SMMK-90 | | FOR SPLASH MOUNT, INCLUDES (2) 1/2" SUPPLY NIPPLES, (2) RETAINER NUTS, (2) LOCK WASHERS, (2) RUBBER WASHERS & (2) MALE & FEMALE SHORT 90° ELBOWS | 1 |

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**John
BOOS**
Since 1887

TAG: 19

ITEM #: _____ QTY: _____
 MODEL #: _____
 PROJECT NAME: _____

123019

3601 S. Banker St. Effingham, IL 62401 • P.O. BOX 609 • Ph: (888) 431-2667 • Fax: (800) 433-2667

"42PB-1D" PRO-BOWL COMPARTMENT SINKS 14GA
2 COMPARTMENT WITH 1 DRAIN BOARD - STAINLESS STEEL BASE



FEATURES:

- STANDARD 14GA TYPE 300 STAINLESS STEEL WITH #4 POLISH, SATIN FINISH
- 12" & 14" DEEP BOWLS
- ALL CORNERS, BOTH VERTICAL AND HORIZONTAL, COVERED AT 5/8" RADIUS
- BOTTOMS OF BOWLS FORMED FOR DRAINAGE TO 3-1/2" DIAMETER DIE STAMPED OPENING
- FULL LENGTH 10" HIGH BOXED BACKSPLASH, WITH 2" RETURN TO WALL AT 45 DEGREE AND 3/4" TURNED DOWN REAR LIP
- 8" ON-CENTER, 1" FAUCET HOLES IN BACKSPLASH
- SOLID STAINLESS STEEL FRONT PANEL, TYPE 300 STAINLESS STEEL WITH #4 POLISH, SATIN FINISH
- ALL OUTSIDE CORNERS OF ASSEMBLY ARE BULLNOSED TO PROVIDE SAFE, CLEAN, AND POLISHED EDGE

CONSTRUCTION:

- TOP: STAINLESS STEEL SINKS ARE TIG WELDED, EXPOSED WELDS ARE POLISHED TO MATCH ADJACENT SURFACE
- BASE: STAINLESS STEEL BASES, STANDARD K.D.

MATERIAL:

- BOWLS & TOP: 14GA TYPE 300 STAINLESS STEEL WITH #4 POLISH, SATIN FINISH
- LEGS: 1-5/8" ROUND O.D. STAINLESS STEEL
- BRACING: 1-1/4" ROUND O.D. STAINLESS STEEL
- GUSSETS: STAINLESS STEEL
- FEET: 1" ADJUSTABLE STAINLESS STEEL BULLET FEET



SPECIFY LEFT SIDE OR RIGHT SIDE DRAIN BOARD

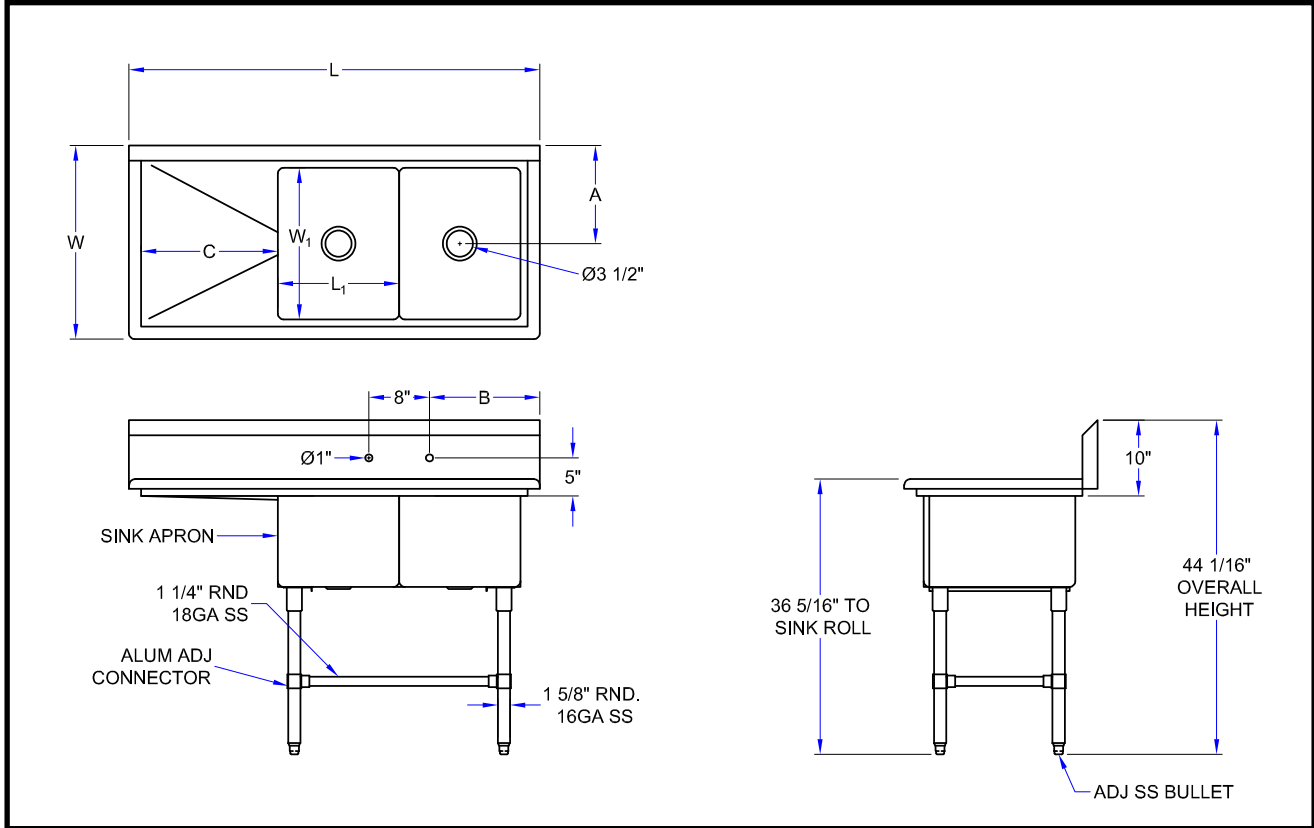
14GA - "42PB-1D" PRO-BOWL SERIES SINK

| 12" DEEP | QTY | 14" DEEP | QTY |
|---------------|-----|----------------|-----|
| 42PB1618-1D18 | | 42PB16184-1D18 | |
| 42PB1618-1D24 | | 42PB16184-1D24 | |
| 42PB1620-1D18 | | 42PB16204-1D18 | |
| 42PB1620-1D24 | | 42PB16204-1D24 | |
| 42PB18-1D18 | | 42PB184-1D18 | |
| 42PB18-1D24 | | 42PB184-1D24 | |
| 42PB18-1D30 | | 42PB184-1D30 | |
| 42PB1824-1D18 | | 42PB18244-1D18 | |
| 42PB1824-1D24 | | 42PB18244-1D24 | |
| 42PB1824-1D30 | | 42PB18244-1D30 | |
| 42PB20-1D18 | | 42PB204-1D18 | |
| 42PB20-1D24 | | 42PB204-1D24 | |
| 42PB20-1D30 | | 42PB204-1D30 | |
| 42PB24-1D24 | | 42PB244-1D24 | |
| 42PB24-1D30 | | 42PB244-1D30 | |
| 42PB3024-1D30 | | 42PB30244-1D30 | |
| 42PB3024-1D36 | | 42PB30244-1D36 | |

OPTIONAL ACCESSORIES

| DESCRIPTION | QTY |
|-----------------------------|-----|
| END SPLASHES, R, L, OR BOTH | |
| FAUCETS | |
| ADD-A-FAUCETS | |
| PRE-RINSE UNITS | |
| LEVEL WASTE | |
| OVERSHELVES | |
| POT RACK | |

DETAILED SPECIFICATIONS



14GA - "42PB-1D" PRO-BOWL SERIES SINK

| 12" DEEP | 14" DEEP | L | W | L1 | W1 | A | B | C |
|---------------|----------------|-----------|---------|-----|-----|-----------|----------|-----|
| 42PB1618-1D18 | 42PB16184-1D18 | 54-3/16" | 23-1/2" | 16" | 18" | 11-15/16" | 14-9/16" | 18" |
| 42PB1618-1D24 | 42PB16184-1D24 | 60-3/16" | 23-1/2" | 16" | 18" | 11-15/16" | 14-9/16" | 24" |
| 42PB1620-1D18 | 42PB16204-1D18 | 54-3/16" | 25-1/2" | 16" | 20" | 12-15/16" | 14-9/16" | 18" |
| 42PB1620-1D24 | 42PB16204-1D24 | 60-3/16" | 25-1/2" | 16" | 20" | 12-15/16" | 14-9/16" | 24" |
| 42PB18-1D18 | 42PB184-1D18 | 58-3/16" | 23-1/2" | 18" | 18" | 11-15/16" | 16-9/16" | 18" |
| 42PB18-1D24 | 42PB184-1D24 | 64-3/16" | 23-1/2" | 18" | 18" | 11-15/16" | 16-9/16" | 24" |
| 42PB18-1D30 | 42PB184-1D30 | 70-3/16" | 23-1/2" | 18" | 18" | 11-15/16" | 16-9/16" | 30" |
| 42PB1824-1D18 | 42PB18244-1D18 | 58-3/16" | 29-1/2" | 18" | 24" | 14-15/16" | 16-9/16" | 18" |
| 42PB1824-1D24 | 42PB18244-1D24 | 64-3/16" | 29-1/2" | 18" | 24" | 14-15/16" | 16-9/16" | 24" |
| 42PB1824-1D30 | 42PB18244-1D30 | 70-3/16" | 29-1/2" | 18" | 24" | 14-15/16" | 16-9/16" | 30" |
| 42PB20-1D18 | 42PB204-1D18 | 62-3/16" | 25-1/2" | 20" | 20" | 12-15/16" | 18-9/16" | 18" |
| 42PB20-1D24 | 42PB204-1D24 | 68-3/16" | 25-1/2" | 20" | 20" | 12-15/16" | 18-9/16" | 24" |
| 42PB20-1D30 | 42PB204-1D30 | 74-3/16" | 25-1/2" | 20" | 20" | 12-15/16" | 18-9/16" | 30" |
| 42PB24-1D24 | 42PB244-1D24 | 76-3/16" | 29-1/2" | 24" | 24" | 14-15/16" | 22-9/16" | 24" |
| 42PB24-1D30 | 42PB244-1D30 | 82-3/16" | 29-1/2" | 24" | 24" | 14-15/16" | 22-9/16" | 30" |
| 42PB3024-1D30 | 42PB30244-1D30 | 94-3/16" | 29-1/2" | 30" | 24" | 14-15/16" | 28-9/16" | 30" |
| 42PB3024-1D36 | 42PB30244-1D36 | 100-3/16" | 29-1/2" | 30" | 24" | 14-15/16" | 28-9/16" | 36" |

SOME UNITS SHIP UNASSEMBLED FOR REDUCED SHIPPING COST. ALL DIMENSIONS ARE TYPICAL. TOLERANCE +/- .500"

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**John
BOOS**
Since 1887

ITEM #: **TAG: 21** QTY: _____
 MODEL #: _____
 PROJECT NAME: _____

071619

3601 S. Banker St. Effingham, IL 62401 • P.O. BOX 609 • Ph: (888) 431-2667 • Fax: (800) 433-2667

"DT3B" CLEAN DISHTABLE/POT SINKS



FEATURES:

- 16GA STAINLESS STEEL
- TYPE 300 STAINLESS STEEL WITH #4 POLISH, SATIN FINISH
- 14" DEEP BOWLS
- ALL CORNERS, BOTH VERTICAL AND HORIZONTAL, COVED AT 3/4" RADIUS
- BOTTOMS OF BOWLS FORMED FOR DRAINAGE TO 3-1/2" DIAMETER DIE STAMPED OPENING
- FULL LENGTH **10" HIGH BOXED BACKSPASH**, WITH 2" RETURN TO WALL AT 45 DEGREE AND 1" TURNED DOWN REAR LIP
- 8" ON-CENTER WITH 1" FAUCET HOLES IN BACKSPASH
- ALL OUTSIDE CORNERS OF ASSEMBLY ARE BULLNOSED TO PROVIDE SAFE, CLEAN, AND POLISHED EDGE
- STANDARD STAINLESS STEEL LEGS 1-5/8" DIAMETER
- LEGS LOCATED DIRECTLY UNDER SINK BOWLS, PROVIDING INCREASED STABILITY AND MAX WEIGHT SUPPORT

CONSTRUCTION:

- TOP: STAINLESS STEEL SINKS ARE TIG WELDED, EXPOSED WELDS ARE POLISHED TO MATCH ADJACENT SURFACE
- BASE: STAINLESS STEEL BASES ARE MIG WELDED

MATERIAL:

- BOWLS & TOP: 16GA TYPE 300 STAINLESS STEEL WITH #4 POLISH, SATIN FINISH
- LEGS: 1-5/8" ROUND O.D. STAINLESS STEEL
- BRACING: 1-1/4" ROUND O.D. STAINLESS STEEL
- GUSSETS: STAINLESS STEEL
- FEET: 1" ADJUSTABLE STAINLESS STEEL BULLET FEET



DT3B18244-2D18L

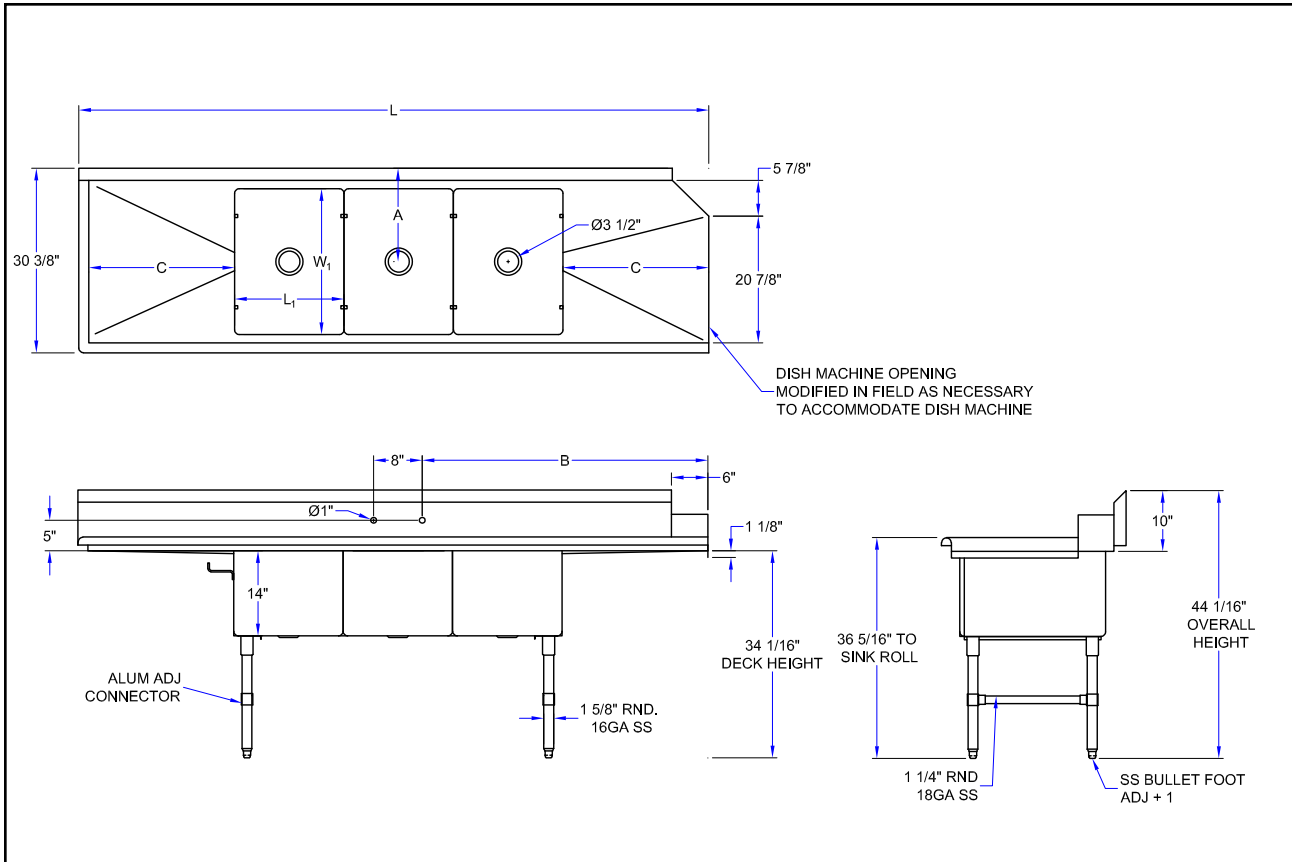
STANDARD 16GA "DT3B" SINK

| MODEL | BOWL SIZE (LxWxD) | QTY |
|-----------------|-------------------|-----|
| DT3B18244-2D18L | 18" X 24" X 14" | |
| DT3B18244-2D18R | 18" X 24" X 14" | |
| DT3B18244-2D24L | 18" X 24" X 14" | |
| DT3B18244-2D24R | 18" X 24" X 14" | |
| DT3B244-2D24L | 24" X 24" X 14" | |
| DT3B244-2D24R | 24" X 24" X 14" | |

OPTIONAL ACCESSORIES

| DESCRIPTION | QTY |
|-----------------|-----|
| FAUCETS | |
| ADD-A-FAUCETS | |
| PRE-RINSE UNITS | |
| LEVEL WASTE | |
| OVERSHELVES | |
| POT RACK | |

DETAILED SPECIFICATIONS



STANDARD 16GA "DT3B" "B" SINK

| MODEL | L | L1 | W1 | A | B | C |
|-----------------|----------|-----|-----|---------|-----|-----|
| DT3B18244-2D18L | 91-5/8" | 18" | 24" | 15-3/8" | 41" | 18" |
| DT3B18244-2D18R | 91-5/8" | 18" | 24" | 15-3/8" | 41" | 18" |
| DT3B18244-2D24L | 103-5/8" | 18" | 24" | 15-3/8" | 47" | 24" |
| DT3B18244-2D24R | 103-5/8" | 18" | 24" | 15-3/8" | 47" | 24" |
| DT3B244-2D24L | 121-5/8" | 24" | 24" | 15-3/8" | 56" | 24" |
| DT3B244-2D24R | 121-5/8" | 24" | 24" | 15-3/8" | 56" | 24" |

SOME UNITS SHIP UNASSEMBLED FOR REDUCED SHIPPING COST. ALL DIMENSIONS ARE TYPICAL. TOLERANCE +/- .500"

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BOOS**
Since 1887

ITEM #: **TAG: 21A** QTY: _____
 MODEL #: _____
 PROJECT NAME: _____

073118

3601 S. Banker St. Effingham, IL 62401 • P.O. BOX 609 • Ph: (888) 431-2667 • Fax: (800) 433-2667

"CDT-S" CLEAN STRAIGHT DISHTABLES PRO-BOWL



FEATURES:

- TYPE 300 STAINLESS STEEL WITH # 4 POLISH, SATIN FINISH
- FULL LENGTH 10" HIGH BOXED BACKSPLASH, WITH 2" RETURN TO WALL AT 45 DEGREE AND 1/2" TURNED DOWN REAR LIP
- ALL OUTSIDE CORNERS OF ASSEMBLY ARE BULLNOSED TO PROVIDE SAFE, CLEAN, AND POLISHED EDGE
- STANDARD 1-5/8" DIAMETER LEGS



CONSTRUCTION:

- TOP: STAINLESS STEEL TOPS ARE TIG WELDED, EXPOSED WELDS ARE POLISHED TO MATCH ADJACENT SURFACE.

MATERIAL:

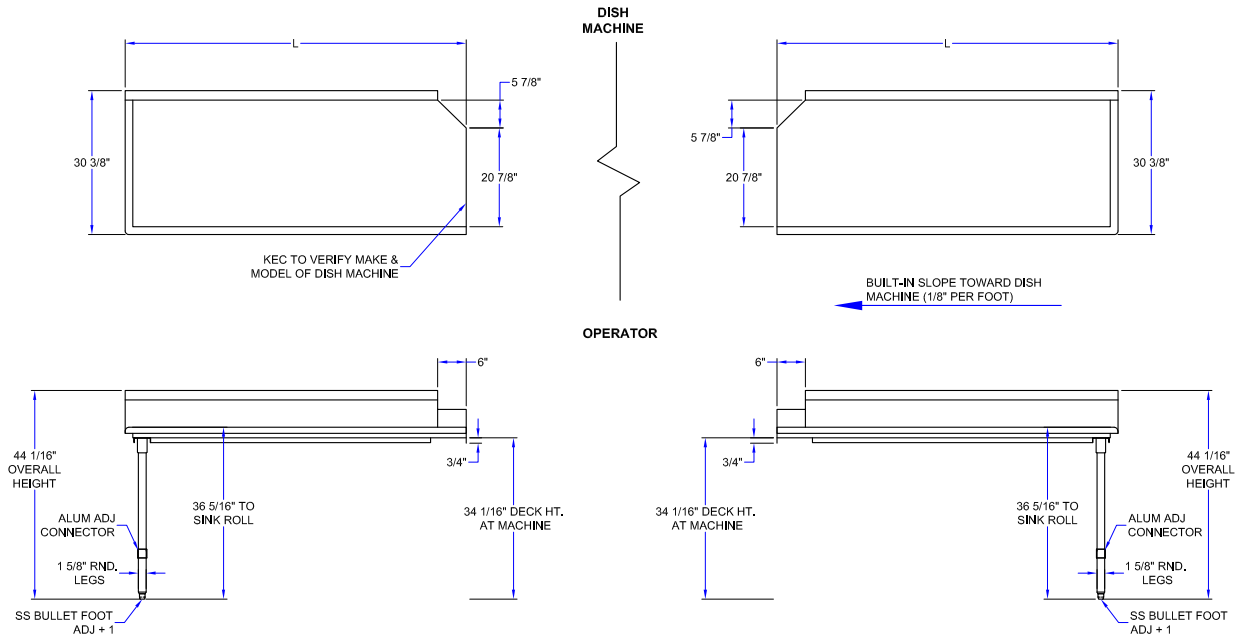
- TOP: STAINLESS STEEL TYPE 300 STAINLESS STEEL WITH #4 POLISH, SATIN FINISH
- FEET: 1" ADJUSTABLE STAINLESS STEEL BULLET FEET

| 14 GAUGE 304 16 GA. STAINLESS STEEL LEGS | | 16 GAUGE 304 16 GA. STAINLESS STEEL LEGS | | 16 GAUGE GALVANIZED LEGS | |
|---|-----|---|-----|-----------------------------|-----|
| PREMIUM | QTY | STANDARD | QTY | VALUE | QTY |
| CDT4-S24SBK-L OR R | | CDT6-S24SBK-L OR R | | CDT6-S24GBK-L OR R | |
| CDT4-S36SBK-L OR R | | CDT6-S36SBK-L OR R | | CDT6-S36GBK-L OR R | |
| CDT4-S48SBK-L OR R | | CDT6-S48SBK-L OR R | | CDT6-S48GBK-L OR R | |
| CDT4-S60SBK-L OR R | | CDT6-S60SBK-L OR R | | CDT6-S60GBK-L OR R | |
| CDT4-S72SBK-L OR R | | CDT6-S72SBK-L OR R | | CDT6-S72GBK-L OR R | |
| CDT4-S84SBK-L OR R | | CDT6-S84SBK-L OR R | | CDT6-S84GBK-L OR R | |
| CDT4-S96SBK-L OR R | | CDT6-S96SBK-L OR R | | CDT6-S96GBK-L OR R | |
| CDT4-S108SBK-L OR R | | CDT6-S108SBK-L OR R | | CDT6-S108GBK-L OR R | |
| CDT4-S120SBK-L OR R | | CDT6-S120SBK-L OR R | | CDT6-S120GBK-L OR R | |
| CDT4-S132SBK-L OR R | | CDT6-S132SBK-L OR R | | CDT6-S132GBK-L OR R | |
| CDT4-S144SBK-L OR R | | CDT6-S144SBK-L OR R | | CDT6-S144GBK-L OR R | |

OPTIONAL ACCESSORIES

| DESCRIPTION | MODEL # | QTY |
|-------------|---------|-----|
| OVER SHELF | | |
| UNDER SHELF | | |

DETAILED SPECIFICATIONS

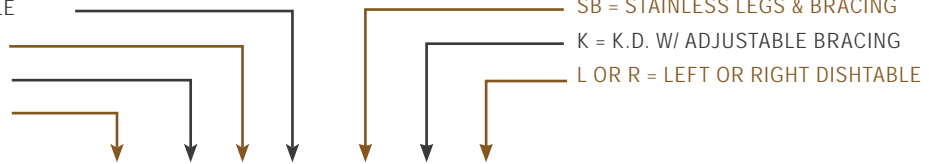


- UNITS 7 FT. AND LARGER ARE FURNISHED WITH SIX LEGS.

| LENGTH | 14 GAUGE 304 16 GA. STAINLESS STEEL LEGS | | 16 GAUGE 304 16 GA. STAINLESS STEEL LEGS | | 16 GAUGE GALVANIZED LEGS | |
|--------|---|-----------|---|-----------|-----------------------------|-----------|
| | PREMIUM | WT. (LBS) | STANDARD | WT. (LBS) | VALUE | WT. (LBS) |
| 24" | CDT4-S24SBK-L OR R | 46 | CDT6-S24SBK-L OR R | 37 | CDT6-S24GBK-L OR R | 37 |
| 36" | CDT4-S36SBK-L OR R | 59 | CDT6-S36SBK-L OR R | 47 | CDT6-S36GBK-L OR R | 47 |
| 48" | CDT4-S48SBK-L OR R | 78 | CDT6-S48SBK-L OR R | 62 | CDT6-S48GBK-L OR R | 62 |
| 60" | CDT4-S60SBK-L OR R | 90 | CDT6-S60SBK-L OR R | 72 | CDT6-S60GBK-L OR R | 72 |
| 72" | CDT4-S72SBK-L OR R | 109 | CDT6-S72SBK-L OR R | 87 | CDT6-S72GBK-L OR R | 87 |
| 84" | CDT4-S84SBK-L OR R | 130 | CDT6-S84SBK-L OR R | 104 | CDT6-S84GBK-L OR R | 104 |
| 96" | CDT4-S96SBK-L OR R | 143 | CDT6-S96SBK-L OR R | 113 | CDT6-S96GBK-L OR R | 114 |
| 108" | CDT4-S108SBK-L OR R | 174 | CDT6-S108SBK-L OR R | 139 | CDT6-S108GBK-L OR R | 139 |
| 120" | CDT4-S120SBK-L OR R | 205 | CDT6-S120SBK-L OR R | 164 | CDT6-S120GBK-L OR R | 164 |
| 132" | CDT4-S132SBK-L OR R | 236 | CDT6-S132SBK-L OR R | 189 | CDT6-S132GBK-L OR R | 189 |
| 144" | CDT4-S144SBK-L OR R | 268 | CDT6-S144SBK-L OR R | 214 | CDT6-S144GBK-L OR R | 214 |

MODEL # STRUCTURE

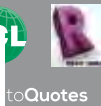
60 = TOTAL WIDTH OF DISHTABLE
 S = STRAIGHT DISHTABLE
 6 = 16GA WORK SURFACE
 CDT = CLEAN DISHTABLE



CDT6-S60SBK-L

SOME UNITS SHIP UNASSEMBLED FOR REDUCED SHIPPING COST. ALL DIMENSIONS ARE TYPICAL. TOLERANCE +/- .500"

John Boos & Co. is constantly engaged in a program of improving products and therefore reserves the right to change specifications without prior notice.





Model: **17-109WL** Item #: _____ Date: **TAG: 20 & 22**
 Project: _____ Qty: _____ Approved By: _____

8" Center Wall Mount Pre-Rinse w/ Add-On Faucet ROYAL SERIES PLUMBING



Standard Features

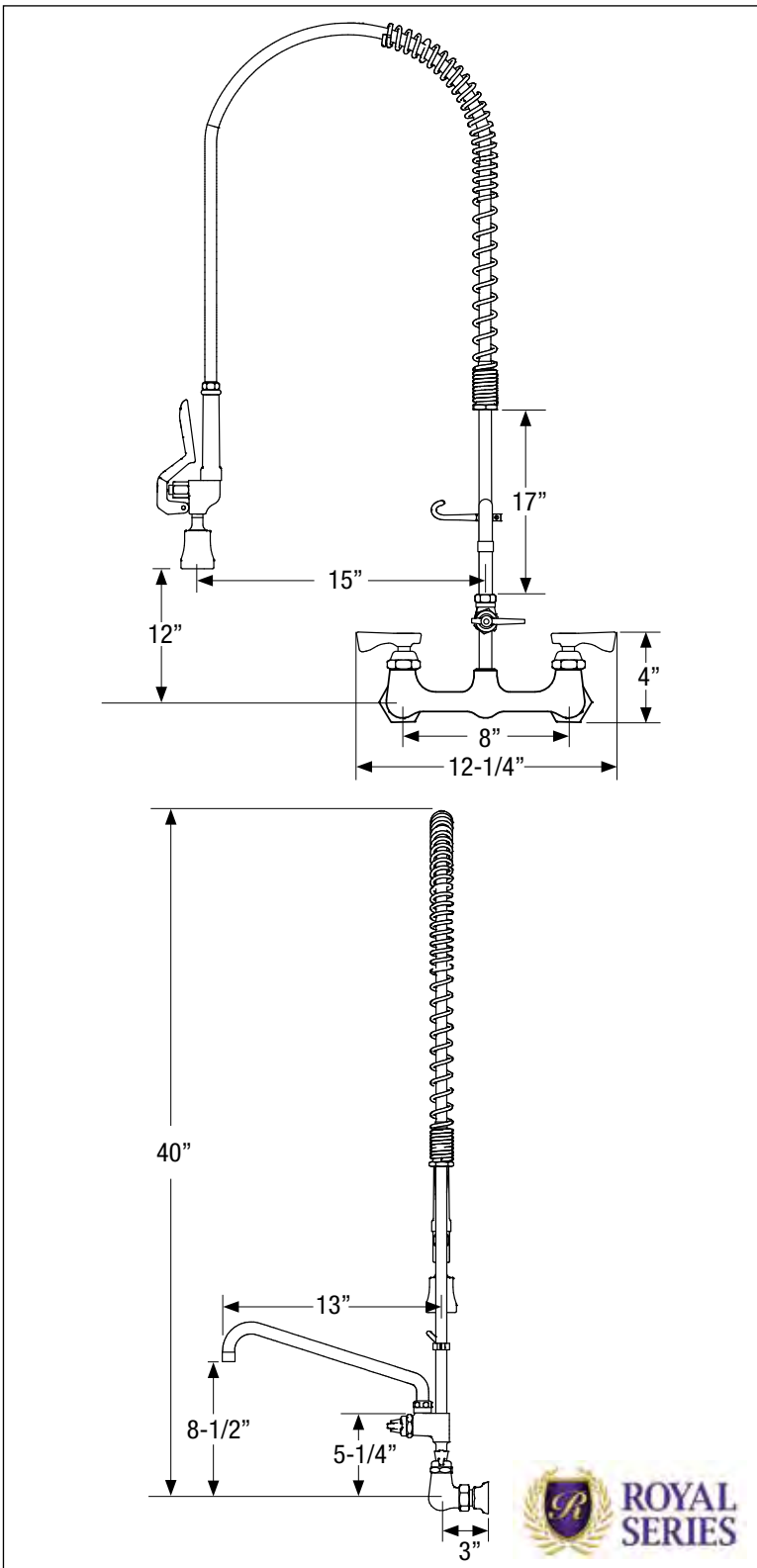
- Pre-assembled to cut installation time
- Includes wall bracket with mounting hardware
- 1/4 turn ceramic cartridge valves
- 44" stainless steel hose with grip
- Interchangeable with most brands
- Built-in check valves
- Built for high volume
- Full replacement parts available

Specifications

- 8" Center Wall Mount with 1/2" NPT female inlets
- Add-On Faucet with 12" Spout
- 40" high w/ 15" overhang
- 1.2 GPM spray head
- Temperature range of 40° to 180°
- Riser Pipe with Hook: 3/8" NPT x 18"
- Mounting Kit Included:
1/2" NPT x 1-1/2" male nipples with locknuts
- Shipping Weight: 15 lbs.
- Case Quantity: 3

Product Compliance

- NSF/ANSI 61-G
- ASME A112.18.1/CSA B125.1
- City of Los Angeles
- CEC Listed
- Commonwealth of Massachusetts



Warning: This product can expose you to chemicals including lead and lead compounds which are known to the State of California to cause cancer and birth defects or other reproductive harm. For ore information go to www.P065Warnings.ca.gov.

Krowne Metal Corporation • 100 Haul Rd. Wayne, NJ 07470 • Toll Free: (800) 631-0442 • Fax: (973) 872-1129 • sales@krowne.com • krowne.com

Due to our commitment to continued product improvement, specifications are subject to change without notice.

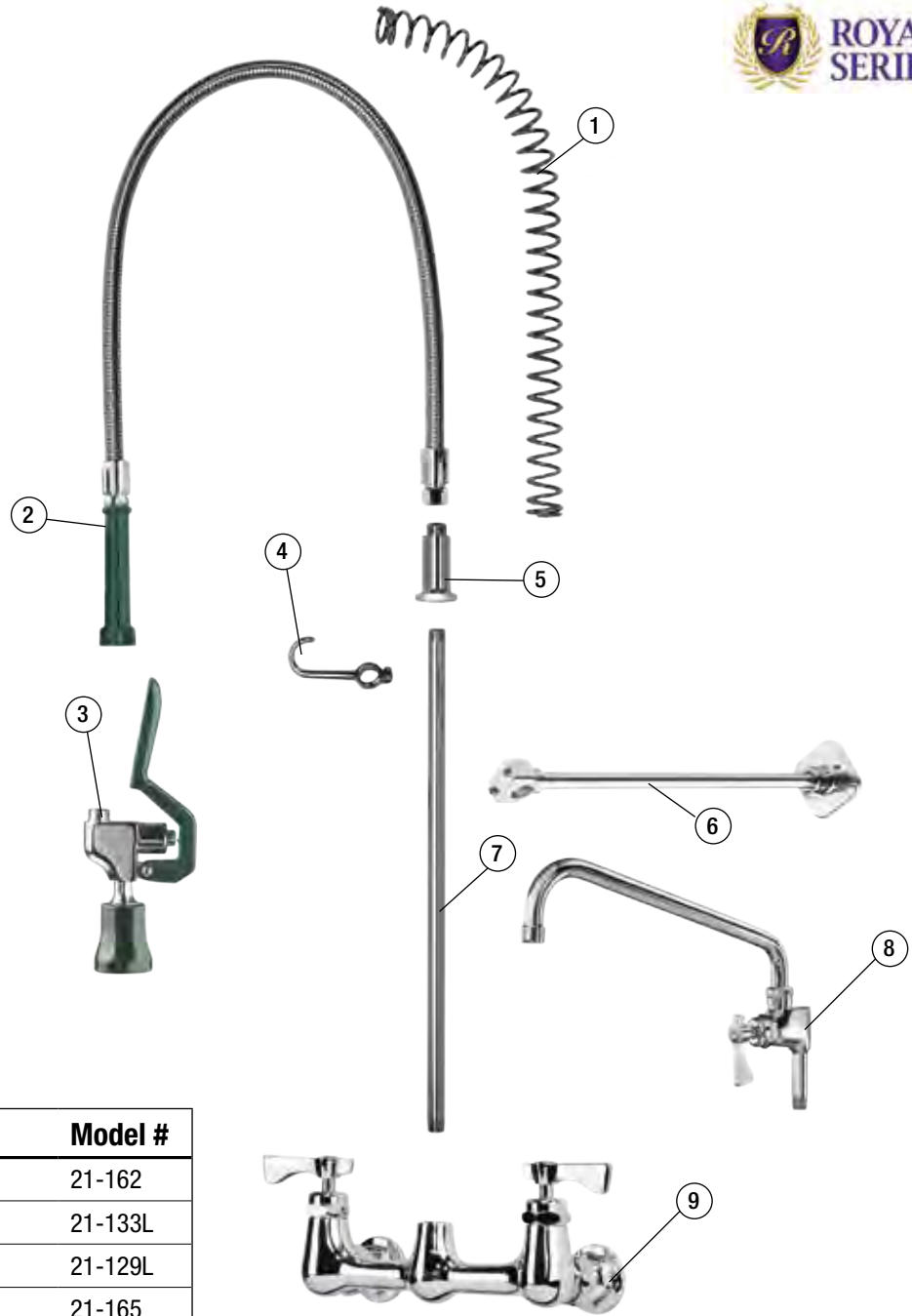
F

ROADSIDE 2.0
PROJECT MANUAL



Model: 17-109WL Item #: _____ Date: _____
 Project: _____ Qty: _____ Approved By: _____

8" Center Wall Mount Pre-Rinse w/ Add-On Faucet ROYAL SERIES PLUMBING



Replacement Parts

| NO. | Item | Model # |
|-----|----------------------------|---------|
| 1 | 24" Spring | 21-162 |
| 2 | 44" Hose w/ Grip | 21-133L |
| 3 | Spray Head | 21-129L |
| 4 | Hook Assembly | 21-165 |
| 5 | Spring Retainer | 21-161L |
| 6 | Wall Bracket | 21-137 |
| 7 | 18" Riser | 21-160L |
| 8 | Add-On Faucet w/ 12" Spout | 21-139L |
| 9 | 8" Center Pre-Rinse Body | 21-108L |



C US
ASME A112.18.1/CSA B125.1



Certified to
NSF/ANSI 61-G

Krowne Metal Corporation • 100 Haul Rd. Wayne, NJ 07470 • Toll Free: (800) 631-0442 • Fax: (973) 872-1129 • sales@krowne.com • krowne.com

Features

- Single faucet hole.
- Oval basin.
- Overflow drain.
- Combination consists of the K-2028-1 basin and the K-2057 shroud.

Material

- Vitreous china.

Installation

- Wall-mount.

Recommended Products/Accessories

- K-7605-P Angle Supply with Stop (pair)
- K-8998 P-Trap
- K-23726 Drain treatment
- K-23725 Cast iron cleaner

Included Components

Additional Components:

- 2028-1
- 2057
- Hanger(s)
- Rubber pads
- shroud accessory pack



ADA **OBC**

Codes/Standards


ASME A112.19.2/CSA B45.1
ADA
ICC/ANSI A117.1
OBC

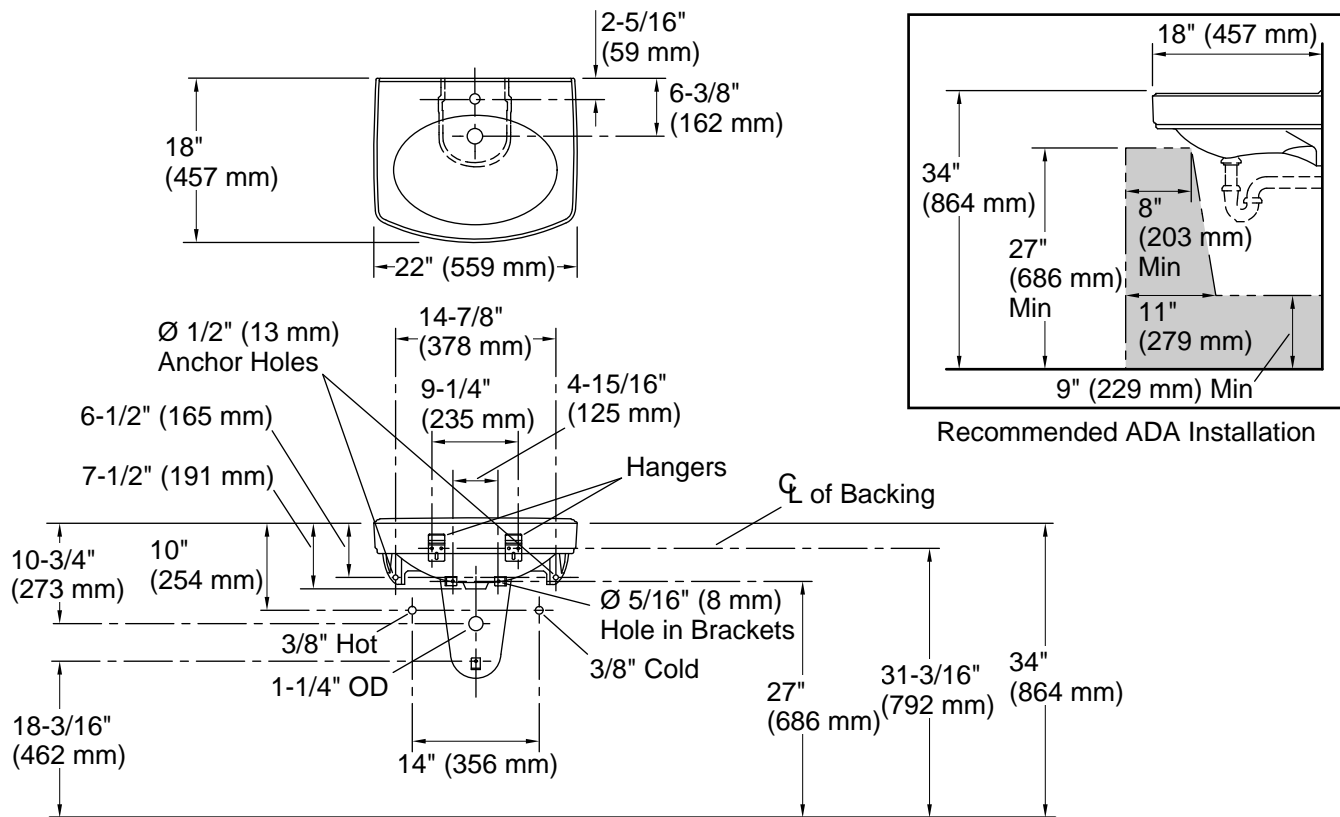
KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Colors/Finishes

Color tiles intended for reference only.

| Color | Code | Description |
|---|------|-------------|
|  | 0 | White |



Technical Information

All product dimensions are nominal.

| | |
|-----------------------|---|
| Bowl configuration: | Single |
| Installation: | Wall-mount |
| Bowl area (Only): | Length: 18" (457 mm) Width: 12" (305 mm) Water depth: 4" (102 mm) |
| Number of deck holes: | 1 |
| Faucet hole(s): | 1-3/8" (35 mm) |
| Drain hole: | 1-3/4" (44 mm) |

Notes

Install this product according to the installation instructions.

ADA, OBC compliant when installed to the specific requirements of these regulations.

Features

- Single lever handle allows for both on/off activation and temperature setting.
- KOHLER ceramic disc valves exceed industry longevity standards for a lifetime of durable performance.
- Leak-free ceramic disc valve allows both volume and temperature control.
- Includes metal pop-up drain with 1-1/4" metal tailpiece.
- 1.2 gpm (4.5 lpm) maximum flow rate at 60 psi (4.14 bar).
- Red/blue indexing on handle.

Material

- Premium metal construction for durability and reliability.
- KOHLER finishes resist corrosion and tarnishing.

Installation

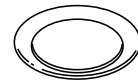
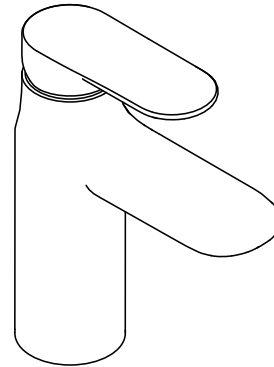
- Single hole.
- Flexible supplies for simplified installation.

Recommended Products/Accessories

- K-23726 Drain treatment
- K-23723 Faucet cleaner

Optional Products/Accessories

- K-14531 Escutcheon Plate
- 1394616



Codes/Standards

- ASME A112.18.1/CSA B125.1
- NSF/ANSI 61
- NSF/ANSI 372
- All applicable US Federal and State material regulations
- DOE - Energy Policy Act 1992
- EPA WaterSense®
- California Energy Commission (CEC)
- ADA
- ICC/ANSI A117.1
- CSA B651
- OBC

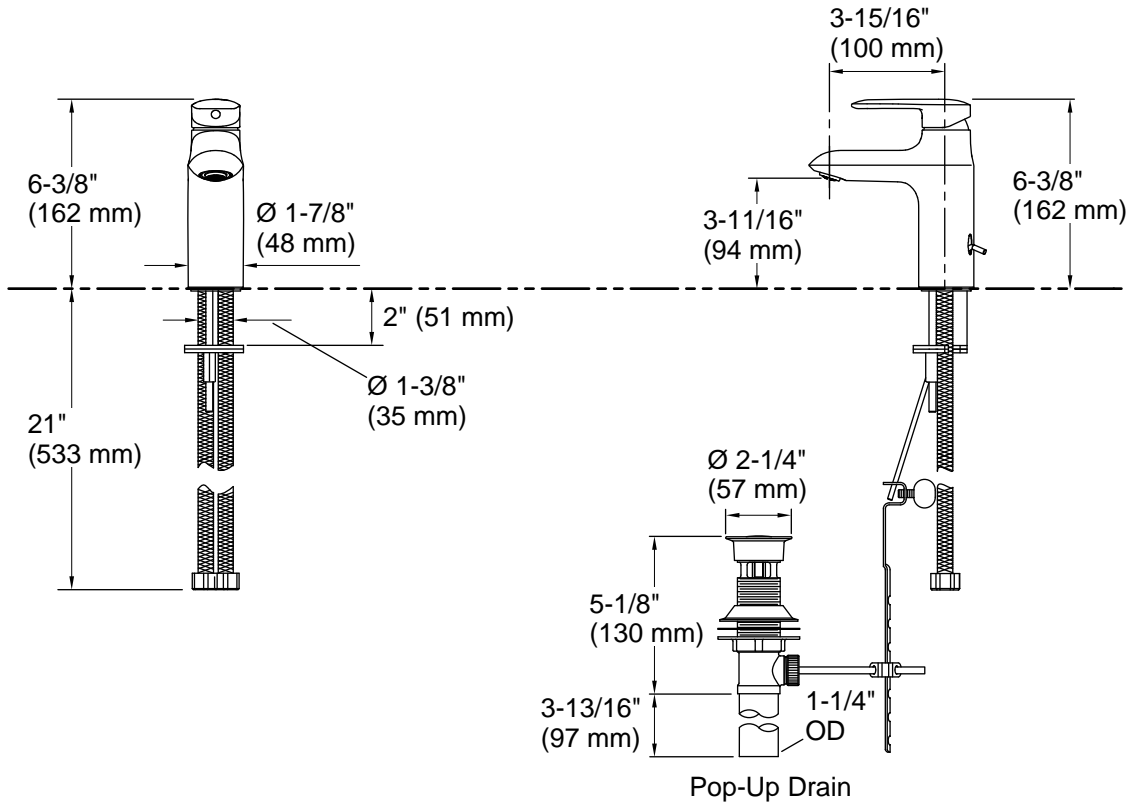
KOHLER® Faucet Lifetime Limited Warranty

See website for detailed warranty information.

Available Colors/Finishes

Color tiles intended for reference only.

| Color | Code | Description |
|---|------|-----------------|
|  | CP | Polished Chrome |



Technical Information

All product dimensions are nominal.

Faucet:

Flow rate: 1.2 gal/min (4.5 l/min)

Pressure: 60 psi (4.1 bar)

Drain included: Yes

Drain with overflow: Yes

Spout:

Spout reach: 3-15/16" (100 mm)

Notes

Install this product according to the installation instructions.

ADA compliant for handles only.

ADA, OBC, CSA B651 compliant when installed to the specific requirements of these regulations.

Features

- Elongated bowl offers added room and comfort.
- Equipped with Sloan FLUSHMATE® – Sloan® Valve Company.
- Polished Chrome trip lever.
- 1.6 gpf (6.0 lpf)
- 2-1/4" (57 mm) fully glazed trapway.
- 12" (305 mm) x 10" (254 mm) water area.
- Antimicrobial finish inhibits the growth of mold-, mildew-, stain-, and odor-causing bacteria on the fixture surface. This product does not protect users against bacteria, viruses, or other disease organisms. Always clean and wash this product thoroughly before and after each use.

Material

- Vitreous china.

Installation

- Seat and supply line sold separately.
- Standard 12" (305 mm) rough-in.

Included Components

Product consists of:

4304
4645

Additional Components:

Bolt cap accessory pack
Equipped with Sloan FLUSHMATE® – Sloan® Valve Company
Tank accessory pack
Tank cover
Trip lever



ADA **CSA B651** **OBC**

Codes/Standards


ASME A112.19.2/CSA B45.1
DOE - Energy Policy Act 1992
ADA
ICC/ANSI A117.1
CSA B651
OBC

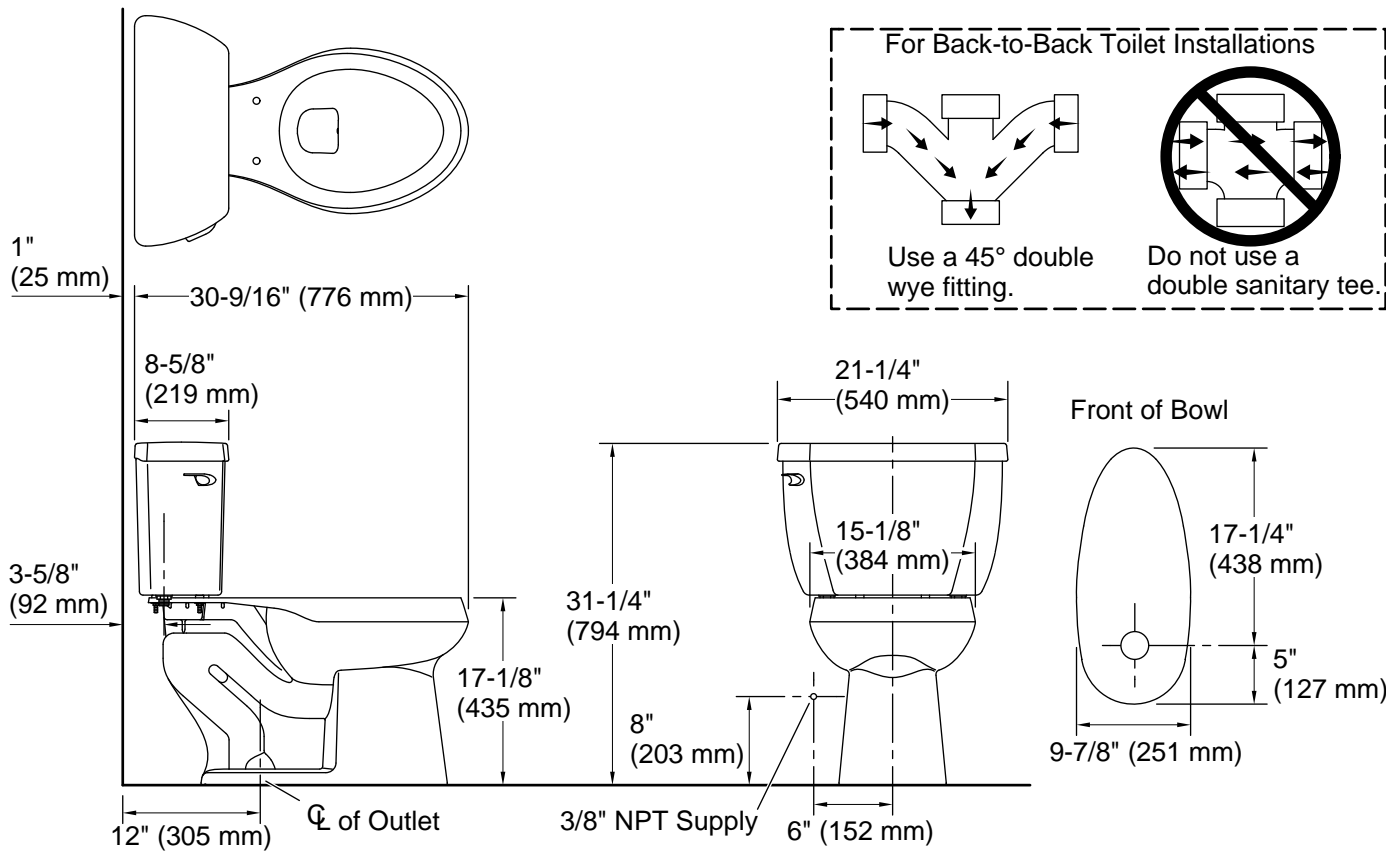
KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Colors/Finishes

Color tiles intended for reference only.

| Color | Code | Description |
|---|------|-------------|
|  | 0 | White |



Technical Information

All product dimensions are nominal.

| | |
|-----------------------|-----------------------------|
| Toilet type: | Floor-mount |
| Waste Outlet: | Floor |
| Bowl shape: | Elongated |
| Flush type: | Pressure Assisted |
| Trap passageway: | 2-3/16" (55 mm) |
| Water Consumption | |
| Full: | 1.6 gpf (6 lpf) |
| Water surface size: | 12" x 10" (305 mm x 254 mm) |
| Rim to water surface: | 5-3/4" (146 mm) |
| Rough-in: | 12" (305 mm) |
| Seat-mounting holes: | 5-1/2" (140 mm) |

Fixture Supply Requirements

| | |
|----------------------|--------------------|
| Min static pressure: | 20 psi (137.9 kPa) |
| Max static pressure: | 80 psi (551.6 kPa) |

Notes

Install this product according to the installation instructions.

For back-to-back toilet installations: Use only a 45° double wye fitting.

ADA, OBC, CSA B651 compliant when installed to the specific requirements of these regulations.

Plumbing codes may require elongated toilets and elongated, open-front seats in public bathrooms.

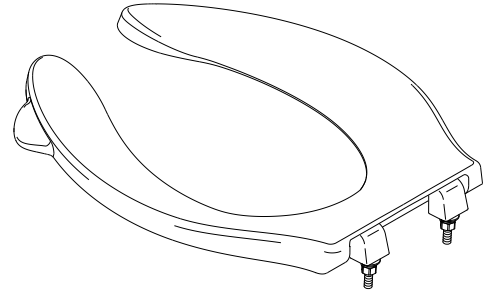
Accessibility standards may require controls to be located on the open side of the toilet.

Features

- Open-front seat without lid.
- Self-sustaining check hinge prevents slamming with check hinge functionality.
- An integrated handle allows the user to easily raise and lower the ring.
- Antimicrobial agent inhibits growth of odor-causing bacteria, mold, and mildew. This product does not protect users against bacteria, viruses, or other disease organisms. Always clean and wash this product thoroughly before and after each use.

Material

- Plastic construction.



Codes/Standards


None Applicable

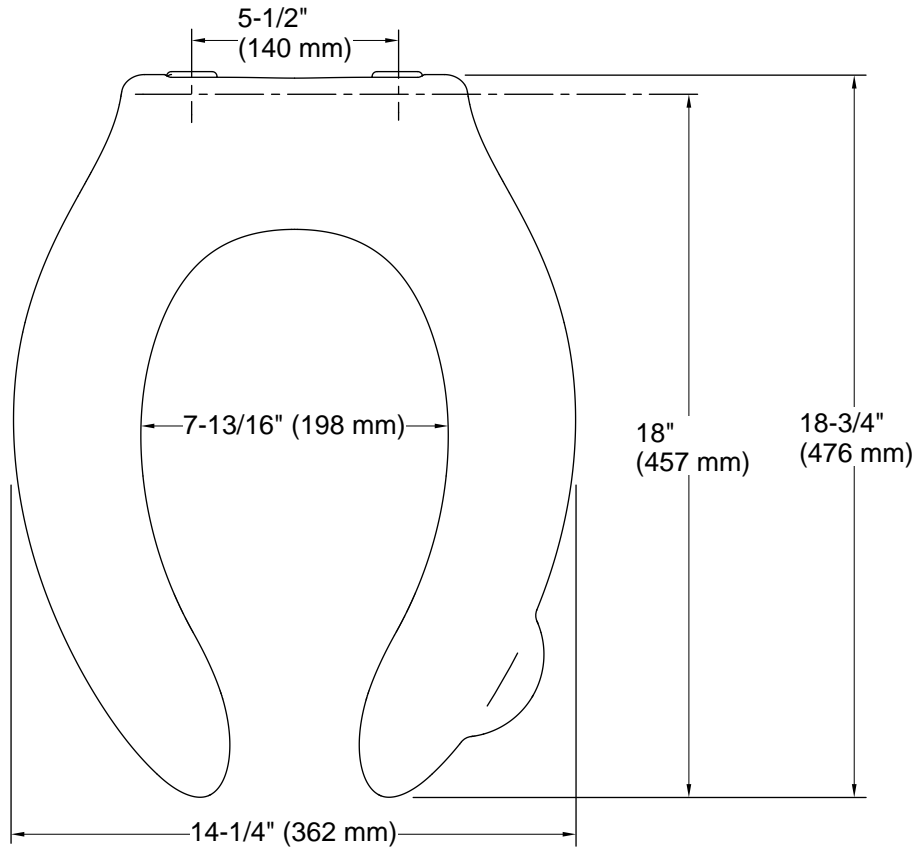
KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Colors/Finishes

Color tiles intended for reference only.

| Color | Code | Description |
|---|------|-------------|
|  | 0 | White |



Technical Information

All product dimensions are nominal.

| | |
|----------------------|----------------------------------|
| Seat shape type: | Elongated |
| Seat front type: | Open-front |
| Seat hinge type: | Self-sustaining, Self-sustaining |
| Seat-mounting holes: | 5-1/2" (140 mm) |

Notes

Install this product according to the installation guide.

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Lotos 4" & 6" Round

Adjustable Downlight 5CCT

| | |
|-----------------|----------------|
| Fixture Type: | R1 |
| Catalog Number: | R4ERAR-W9CS-WT |
| Project: | ROADSIDE 2.0 |
| Location: | VARIOUS |

TAG: R1

| Model | Beam | Color Temp & CRI | Lumens | CBCP | Finish |
|---|--|---|-------------|--------------|---|
| <input checked="" type="radio"/> R4ERAR <input type="radio"/> R6ERAR | <input checked="" type="radio"/> W 45° | <input checked="" type="radio"/> 9CS 2700K/3000K/3500K /4000K/5000K - 90 <input type="radio"/> 9CS 2700K/3000K/3500K /4000K/5000K - 90 | 800 1340 | 1020 1896 | <input checked="" type="radio"/> WT White |

| | | | |
|--------|---|-----|----|
| R4ERAR | W | 9CS | WT |
|--------|---|-----|----|

Example: **R4ERAR-W9CS-WT**

DESCRIPTION

The wafer-thin Lotos LED Recessed Kit with remote driver combines high quality light output and efficiency while eliminating the need for a large housing. This innovative design can be installed easily as a remodel or new construction with an optional frame-in kit sold separately. Lotos is available in a downlight version for general ambient lighting and an adjustable version with a gimbal that pivots 360 degrees on a hinge. Now available with 5-CCT options.

FEATURES

- 5-CCT Switchable between 2700K and 5000K
- Multiple LED array for uniform illumination
- Rotatable multi-axis gimbal ring
- Driver included
- 5 year warranty

SPECIFICATIONS

| | |
|--------------------|--|
| Construction: | Steel with frosted TIR lens |
| Power: | 9W, 15W |
| Input: | 120 -277 VAC, 50/60Hz |
| Dimming: | ELV: 100-5% , TRIAC: 100-5% |
| Light Source: | Integrated LED |
| Lens: | Translucent acrylic diffuser |
| Rated Life: | 50000 Hours |
| Mounting: | Heavy gauge retention clips secures fixture to ceiling |
| Cut Out: | 4 1/4", 5" |
| Finish: | Electrostatically powder coated: White |
| Ceiling Thickness: | 1/2" - 1" |
| Operating Temp: | -4°F to 104°F (-20°C to 40°C) |
| Standards: | ETL, cETL, Wet Location Listed, Energy Star 2.0, Title 24 JA8-2019 Compliant, IC, Airtight |

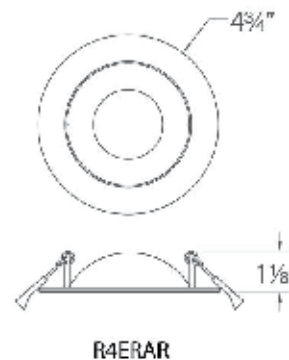


FINISHES:



White

LINE DRAWING:



ZEVO PENDANT

PRODUCT FEATURES

- Oversized version of a popular, industrial-inspired fixture design
- Recommended lamping is 1 medium based bulb with 75w maximum (purchased separately), or can be ordered with optional 11 watt LED A19 bulb for enhanced energy efficiency
- Fully dimmable with most dimmers to create just the right atmosphere
- Sturdy steel construction for years of enjoyment. Large scale is ideal for commercial applications
- 8ft of cloth covered cord included, which complements color of metal hardware, to customize installation height
- Protected by a 1-year warranty

LAMPING

No lamp rated for E26 medium base socket 75w max (Lamp Not Included). LED version includes (1) 10 watt 781 total delivered lumens, 90CRI, 3000K LED A19. Dimmable with a low-voltage electronic dimmer. Includes 8 ft of field-cuttable cable.



Black/Gold



Black/Gold

Fossil Gray

White

ORDERING INFORMATION

| 700TDZVO | FINISH | LAMP |
|----------|----------------------|---|
| | BG BLACK/GOLD | NO LAMP |
| | FG FOSSIL GRAY | -LED930 LED 90 CRI 3000K 120V (T20/T24) |
| | W MATTE WHITE | |

700TDZVO _____

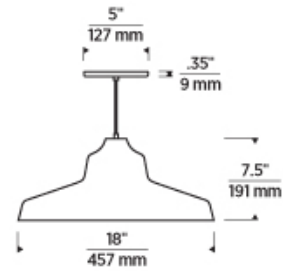
JOB NAME _____

NOTES _____

ZEVO PENDANT

SPECIFICATIONS

| | |
|-------------------------------|-------------|
| PRIMARY MATERIAL | Aluminum |
| SHADE MATERIAL | Aluminum |
| NET WEIGHT | 2 lbs |
| HEIGHT | 7.5in |
| WIDTH | 18in |
| LENGTH | 18in |
| UP LIGHT / DOWN LIGHT / BOTH? | |
| WET LISTED | |
| DAMP LISTED | Yes |
| DRY LISTED | |
| MIN. HANGING HEIGHT | 13.85in |
| MAX HANGING HEIGHT | 103.85in |
| TOTAL CORD LENGTH | 96in |
| TOTAL STEM LENGTH | |
| STEM QTY | |
| SLOPED CEILING ADAPTABLE? | Yes 45° Max |
| GENERAL LISTING | ETL Listed |
| INCLUDES | |



LAMPING SPECIFICATIONS

| | LED LAMP | INTEGRATED LED | NON LED | NO LAMP |
|-----------------------------|-----------------|----------------|-----------------|---------|
| DELIVERED LUMENS | 781.0 | | | |
| WATTS | 10 | | | |
| MAX WATTAGE PER BULB | 75W | | 75W | |
| INPUT VOLTAGE/ DIMMING TYPE | 120V ELV, TRIAC | | 120V ELV, TRIAC | |
| CCT | 3000K | | | |
| CRI | 90 CRI | | | |
| LED LIFETIME | | | | |
| L70 | >25000 | | | |
| AVERAGE BULB HOURS | | | | |
| FIELD SERVICEABLE LED | | | | |
| LAMP BASE | E26 Medium Base | | E26 Medium Base | |
| LAMP SHAPE | A19 | | A19 | |
| LAMP INCLUDED? | True | | False | |
| WARRANTY** | 1 Year | | 1 Year | |

* Dimming information available at www.techlighting.com/Downloads#dimming

** Visit techlighting.com for specific warranty limitations and details.

T20 / T24 / JA8 INFORMATION

| | Integrated LED | Replacement LED Lamp | No Lamp * |
|---|----------------|----------------------|-----------|
| This product can be used to comply with California Building Energy Efficiency Standards 2016 Title 24 Part 6 / JA8. | | Yes | N/A |
| This product can be used to comply with California Appliance Efficiency Standards 2016 Title 20 and may be shipped to and sold in California. | | Yes | N/A |

ROADSIDE 2.0 PROJECT MANUAL

include a lamp or light source, it is the responsibility of the installer to ensure compliance with T24 and T20 requirements.



| | |
|-----------------|----------------|
| Fixture Type: | SC1 |
| Catalog Number: | FM-11RN-930-WT |
| Project: | ROADSIDE 2.0 |
| Location: | VARIOUS |

7"/11"/15" Round Ceiling and Wall Mount

TAG: SC1

| Model & Size | Color Temp & CRI | Watt | Lumens | Finish |
|--|---|------------|--------------|---|
| <input type="radio"/> FM-07RN 7" | <input type="radio"/> 930 3000K - 90 <input type="radio"/> 935 3500K - 90 | 15W 15W | 1100 1100 | <input type="radio"/> BK Black <input type="radio"/> BN Brushed Nickel <input type="radio"/> BZ Bronze <input checked="" type="radio"/> WT White |
| <input checked="" type="radio"/> FM-11RN 11" | <input checked="" type="radio"/> 930 3000K - 90 <input type="radio"/> 935 3500K - 90 | 20W 20W | 1525 1525 | |
| <input type="radio"/> FM-15RN 15" | <input type="radio"/> 930 3000K - 90 <input type="radio"/> 935 3500K - 90 | 28W 28W | 2550 2550 | |

| | | |
|---------|-----|----|
| FM-11RN | 930 | WT |
|---------|-----|----|

Example: **FM-07RN-930-BK**

DESCRIPTION

Ultra-slim flush mount that uses edge-lit technology and a translucent diffuser for uniform illumination without shadows or hotspots.

FEATURES

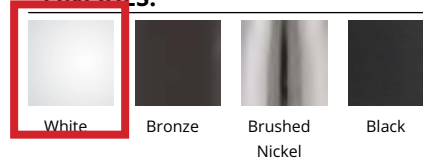
- Multiple LED array for uniform illumination
- Driver installed within the Junction Box, driver dimension: 2.25" dia x 1" deep
- 5 year warranty

SPECIFICATIONS

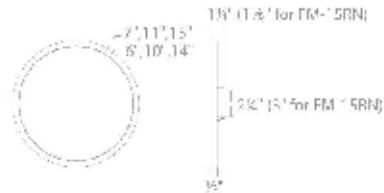
| | |
|------------------------|---|
| Construction: | Aluminum with translucent diffuser |
| Power: | 28W, 20W, 15W |
| Input: | 120 VAC, 50/60Hz |
| Dimming: | ELV: 100-5% , TRIAC: 100-5% |
| Light Source: | Integrated LED |
| Lens: | Translucent acrylic diffuser |
| Rated Life: | 50000 Hours |
| Mounting: | Installs over a 3", 4" or 3/0-4/0 hybrid junction box, Can be mounted on ceiling or wall in all orientations |
| Finish: | Electrostatically Powder Coated:White, Electrostatically Powder Coated::Bronze, Electrostatically Powder Coated:::Brushed Nickel, Electrostatically Powder Coated:::Black |
| Operating Temp: | -4°F to 104°F (-20°C to 40°C) |
| Standards: | UL, cUL, Damp Location Listed, Energy Star 2.0, Title 24 JA8-2019 Compliant, ADA |



FINISHES:



LINE DRAWING:



| | |
|-----------------|-----------------|
| Fixture Type: | SW1 |
| Catalog Number: | WS-180424-30-CH |
| Project: | ROADSIDE 2.0 |
| Location: | TOILET 1 & 2 |

Turbo

Bath & Vanity Light

TAG: SW1

| Model | Color Temp & CRI | Lumens | Finish |
|-------------|------------------------------------|--------------|------------------------------------|
| ● WS-180424 | ● 30 3000K - 90 ○ 35 3500K - 90 | 1480 1570 | ○ BN Brushed Nickel ● CH Chrome |
| WS-180424 | 30 | | CH |

Example: **WS-180424-35-CH**

For custom requests please contact customs@waclighting.com

DESCRIPTION

With soft illumination diffused through translucent acrylic, Turbo adds a clean, modern look to baths and other types of modern décor.

FEATURES

- Multiple LED array for uniform illumination
- Driver concealed within the fixture
- 5 year warranty

SPECIFICATIONS

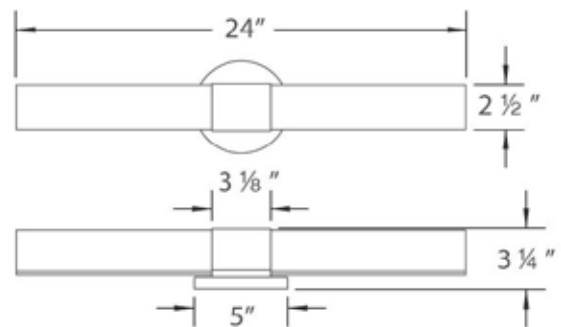
| | |
|---------------|---|
| Color Temp: | 3000K,3500K |
| Input: | 120-277 VAC,50/60Hz |
| CRI: | 90 |
| Dimming: | ELV: 100-5% ,TRIAC: 100-5% |
| Rated Life: | 50000 Hours |
| Mounting: | Installs over a 3" or 4" Junction Box,Can be mounted on ceiling or wall in all orientations |
| Standards: | ETL, cETL,Title 24 JA8-2019 Compliant,Energy Star 2.0 Damp Location Listed |
| Construction: | Nickel plated steel with polycarbonate diffuser |



FINISHES:



LINE DRAWING:



WS-180424

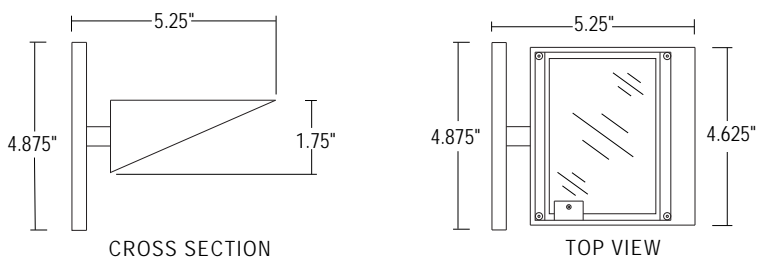
WS 6215-LED-ELV-1
The LED Wedge™

LED WALL SCONCE

PROJECT ROADSIDE 2.0

TAG: SW2

TYPE SW2



- Cast Aluminum Housing
- Round Backplate standard
- 2,600 Lumens, 20 Watts standard
- 130 Lumens per Watt
- 120V AC ELV LED Dimming Compatible
- Dimming to 15% standard
(Dimming to 0% possible with select controls)
- Clear Micro Prismatic Lens standard
- Rich Powder Coat Finish
- Recommended Mounting Box: 4" Octagonal
- UL and CUL Listed Damp Location

Modifications and custom configurations are available.
Additional Kelvin and CRI options are available.
Please consult factory.



ALSO AVAILABLE IN CUSTOM COLORS
AND RAW CAST ALUMINUM (NO FINISH)

ORDERING FORMAT

| | | | | |
|---|---|---|--|---|
| SERIES | KELVIN | CRI | FINISH | OPTIONAL ACCESSORIES |
| <input checked="" type="checkbox"/> WS-6215-LED-ELV-1 The LED Wedge™ | <input checked="" type="checkbox"/> 27 2700K | <input checked="" type="checkbox"/> 90 90+ | <input type="checkbox"/> WHP White Powder Coat | DIFFUSER |
| | <input type="checkbox"/> 30 3000K | | <input checked="" type="checkbox"/> BLP Black Powder Coat | <input type="checkbox"/> WS-SD-S2 Saw Tooth Diffuser |
| | <input type="checkbox"/> 35 3500K | | <input type="checkbox"/> TTP Titanium Powder Coat | ADJUSTMENT |
| | | | <input type="checkbox"/> OBP Oil Rubbed Bronze Powder Coat | <input type="checkbox"/> WS-SK Swivel Knuckle allows for 34° adjustment (17° up or down) |
| | | | <input type="checkbox"/> RAW Raw Cast Aluminum (no finish) | <small>Finish selection will match fixture unless otherwise specified.</small> |
| | | | <input type="checkbox"/> CC Custom Color | LENS |
| | | | | <input type="checkbox"/> WS-L-S2-MP-CL Clear Micro Prismatic Lens (standard with fixture) |
| | | | | <input type="checkbox"/> WS-L-S2-MP-FR Frosted Micro Prismatic Lens |
| | | | | BACKPLATE |
| | | | | <input checked="" type="checkbox"/> WS-RD Round Backplate (standard with fixture) |
| | | | | <input type="checkbox"/> WS-SQ Square Backplate |
| | | | | <small>Finish selection will match fixture unless otherwise specified.</small> |



RICH, DURABLE POWDER COAT FINISHES



WHP
WHITE POWDER COAT



BLP
BLACK POWDER COAT



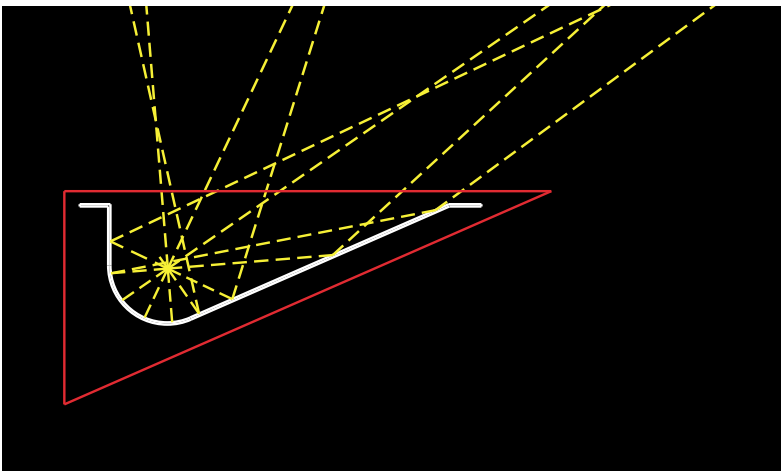
OBP
OIL RUBBED BRONZE POWDER COAT



TTP
TITANIUM POWDER COAT

ALSO AVAILABLE IN
 RAW RAW CAST ALUMINUM
 (NO FINISH)
 CC CUSTOM COLORS

COMPUTER DESIGNED SPECULAR REFLECTORS (halogen fixtures only)

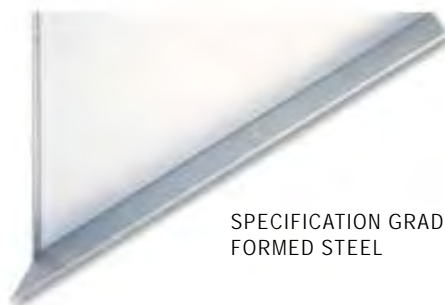


LED FIXTURES DESIGNED TO PERFORM AS OUR HALOGEN FIXTURES

SPECIFICATION GRADE CONSTRUCTION



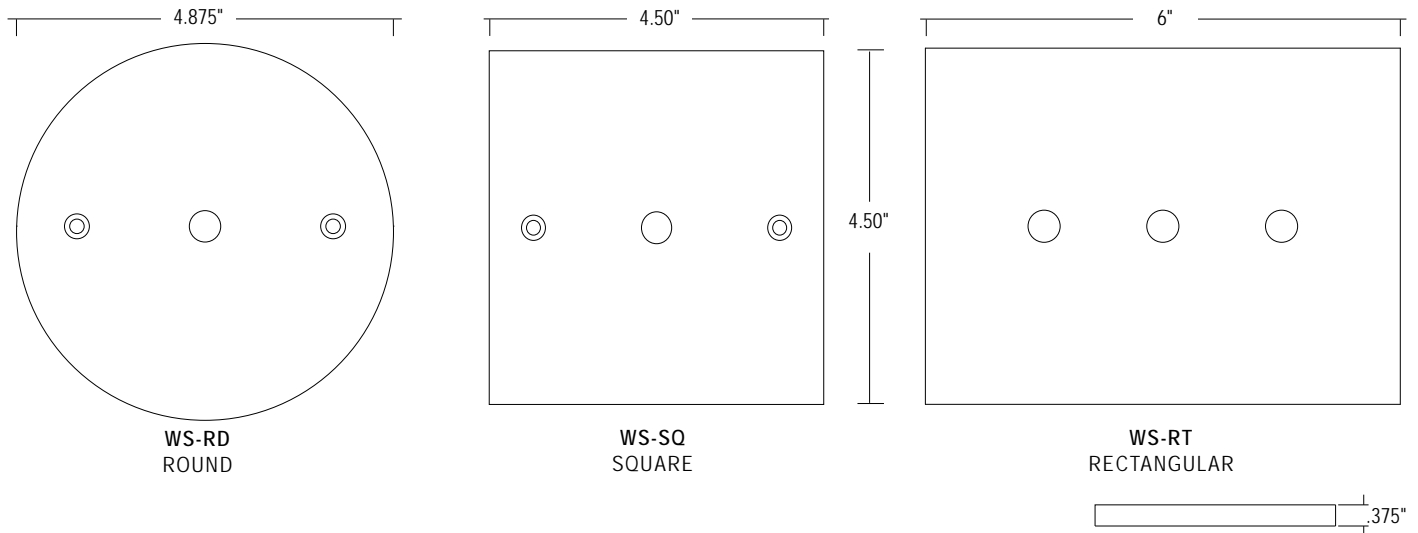
SPECIFICATION GRADE
CAST ALUMINUM



SPECIFICATION GRADE
FORMED STEEL

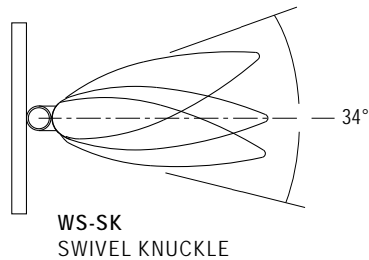
WALL SCONCE BACKPLATES

OUR WALL SCONCE FIXTURES COME STANDARD WITH ROUND, SQUARE OR RECTANGULAR BACKPLATES IN MATCHING POWDERCOAT FINISHES



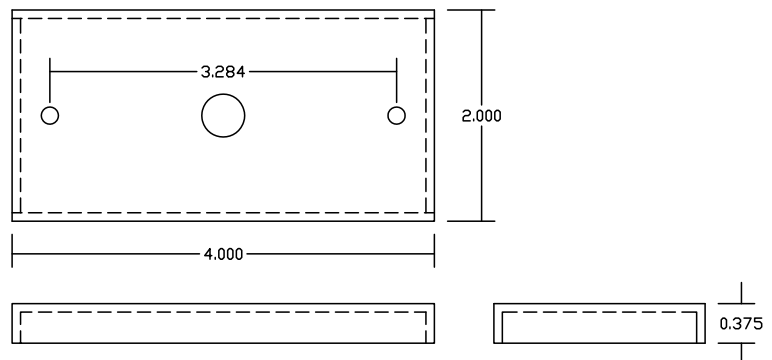
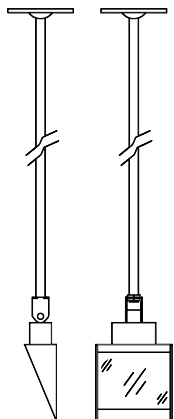
SWIVEL KNUCKLES

OUR OPTIONAL SWIVEL KNUCKLE ALLOWS FOR 34° ADJUSTMENT (17° UP OR DOWN) FOR OPTIMUM LIGHT DIRECTION



CUSTOMIZATION

CUSTOM ACCESSORIES ARE AVAILABLE INCLUDING STEMS, SHIELDING, SHROUDS AND BACKPLATES. PLEASE CONSULT THE FACTORY ON YOUR CUSTOM DESIGNED PROJECT.



| | ADJUSTMENTS | | BACKPLATES | |
|-------------------------------|------------------------------|--|-------------------------------|-------------------------------|
| | SWIVEL KNUCKLE | | STANDARD BACKPLATE | OPTIONAL BACKPLATE |
| WEDGE™ | | | | |
| WS-6215-HAL | WS-SK | | WS-RD | WS-SQ |
| WS-6215-LED-Z10 | WS-SK | | WS-RD | WS-SQ |
| WS-6215-LED-Z10-DW | WS-SK | | WS-RD | WS-SQ |
| WS-6215-LED-ELV-1 | WS-SK | | WS-RD | WS-SQ |
| WS-6215-LED-ELVT-1-DW | WS-SK | | WS-RD | WS-SQ |
| VARIAL™ | | | | |
| WS-6230-HAL | INCL. | | WS-RD | WS-SQ |
| WS-6230-LED-ELV-1 | INCL. | | WS-RD | WS-SQ |
| WEDGE LENS™ | | | | |
| WS-7215-HAL | WS-SK | | WS-SQ | WS-RD |
| WS-7215-LED-ELV-1 | WS-SK | | WS-SQ | WS-RD |
| DOUBLE WEDGE LENS™ | | | | |
| WS-7230-HAL | WS-SK | | WS-RT | N/A |
| WS-7230-LED-ELV-1 | WS-SK <i>(requires 2)</i> | | WS-RT | N/A |
| ADA WEDGE™ | | | | |
| WS-8815-HAL | N/A | | WS-RD-LP | N/A |

BACKPLATES AND SWIVEL KNUCKLES ARE AVAILABLE IN MATCHING POWDERCOAT FINISHES

| | DIFFUSERS | | LENSES | | | | |
|-------------------------------|-----------------------------------|------------|---------------------------|-----------------------------|--------------------------------------|--|--------------------------------------|
| | SAW TOOTH DIFFUSER | | CLEAR TEMPERED | FROSTED TEMPERED | CLEAR MICRO PRISMATIC | FROSTED MICRO PRISMATIC | CLEAR DIAMOND PATTERN |
| WEDGE™ | | | | | | | |
| WS-6215-HAL | WS-SD-S1 | WS-L-S1-CL | WS-L-S1-FR | N/A | N/A | N/A | |
| WS-6215-LED-Z10 | WS-SD-S2 | N/A | N/A | WS-L-S2-MP-CL | WS-L-S2-MP-FR | N/A | |
| WS-6215-LED-Z10-DW | WS-SD-S2 | N/A | N/A | WS-L-S2-MP-CL | WS-L-S2-MP-FR | N/A | |
| WS-6215-LED-ELV-1 | WS-SD-S2 | N/A | N/A | WS-L-S2-MP-CL | WS-L-S2-MP-FR | N/A | |
| WS-6215-LED-ELVT-1-DW | WS-SD-S2 | N/A | N/A | WS-L-S2-MP-CL | WS-L-S2-MP-FR | N/A | |
| VARIAL™ | | | | | | | |
| WS-6230-HAL | WS-SD-S1 | WS-L-S1-CL | WS-L-S1-FR | N/A | N/A | N/A | |
| WS-6230-LED-ELV-1 | WS-SD-S2 | N/A | N/A | WS-L-S2-MP-CL | WS-L-S2-MP-FR | N/A | |
| WEDGE LENS™ | | | | | | | |
| WS-7215-HAL | WS-SD-S3 | WS-L-S3-CL | WS-L-S3-FR | WS-L-S3-MP-CL | WS-L-S3-MP-FR | WS-L-S3-DP-CL | |
| WS-7215-LED-ELV-1 | WS-SD-S3 | N/A | N/A | WS-L-S3-MP-CL | WS-L-S3-MP-FR | WS-L-S3-DP-CL | |
| DOUBLE WEDGE LENS™ | | | | | | | |
| WS-7230-HAL | WS-SD-S4 | WS-L-S4-CL | WS-L-S4-FR | WS-L-S4-MP-CL | WS-L-S4-MP-FR | WS-L-S4-DP-CL | |
| WS-7230-LED-ELV-1 | WS-SD-S4 | N/A | N/A | WS-L-S4-MP-CL | WS-L-S4-MP-FR | WS-L-S4-DP-CL | |
| ADA WEDGE™ | | | | | | | |
| WS-8815-HAL | WS-SD-S1 | WS-L-S1-CL | WS-L-S1-FR | N/A | N/A | N/A | |

The Topanga

Wall Mount

TAG: SW3



The go-to for American-made, handcrafted lights.
A family-owned business, comfortable making things the old fashioned way.

Dome



Colors



Galvanized option not available on straight arm mounts

Custom colors are available for an additional fee. Please provide a RAL number

Parts Included

DOME: (C14) Classic 14" Dome

MOUNT: Choose between 11" straight arm, 11" gooseneck, 16" gooseneck, 23" gooseneck, or upward sloping gooseneck

SOCKET: 120V Medium Base Porcelain Socket and 6ft of Wiring. Comes with a threaded Covernut and Gasket for a secure and water proof seal

MOUNTING HARDWARE: (BP12) Heavy Duty 4" Die Cast Base Plate with Gasket and Screws (fits with a 4" Round Electrical Box)

CUSTOMIZABLE: From the shape and the size to the interior color, you can decide what fits best into your vision and we can make it happen.

ALL-WEATHER: Built to last and withstand any storm the outside - or inside - world throws its way.

STEEL CONSTRUCTION: Expertly spun using 18 gauge steel and strong enough to make a lasting statement.

FAST & FREE SHIPPING: We move quickly so your timelines can too - free shipping within 24 hours in the continental US!

APPLICATION: Exterior garage walls, barn sides, or overlooking porches and patios.

Features



Optional Accessories

Electrical Box (RB05): 4" round die cast electrical box which is powder coated to match your fixture.

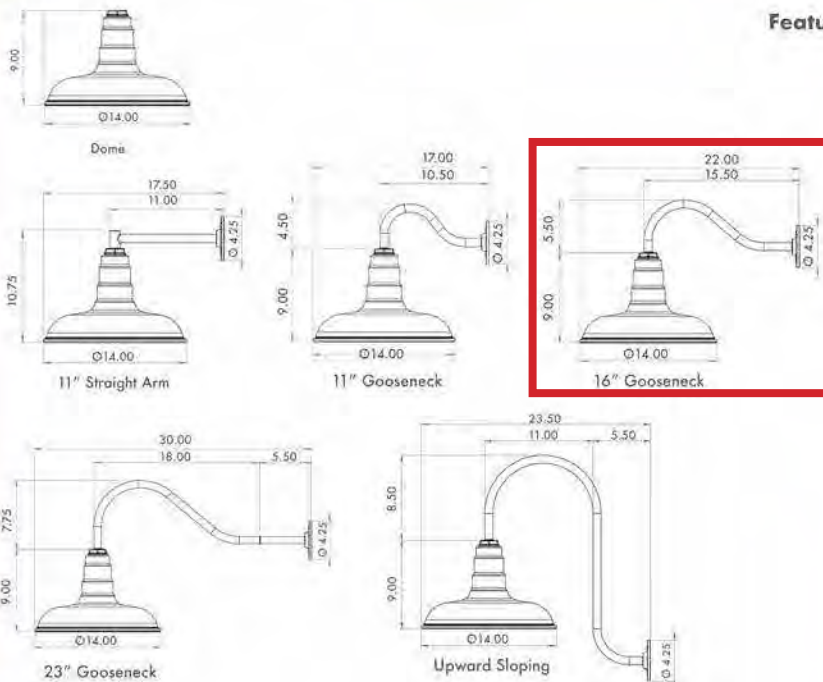
LED Bulb (LFLA): 800 Lumen Filament LED Medium base screw-in bulb.

6" Mounting Plate (LP12): A larger mounting plate if the standard 4" mounting plate is too small.

Mounts



Dimensional Data



Choose each item specification to breakdown the SKU numbers for your order below

Ordering Information

| | | | | | | | | | | | | | | | | |
|-----|---|-------|---|-------|---|-------|---|-----------------------------------|---|-------|---|---|---|-------|---|---------------------|
| C14 | - | Color | - | Mount | - | Color | - | Mounting Hardware | - | Color | - | Electrical Box (optional) | - | Color | - | LED Bulb (optional) |
| | | 01 | | GB04 | | 01 | | BP12 | | 01 | | | | | | LFLA |
| | | 00 04 | | GB01 | | 00 04 | | BP12 - Standard 4" Mounting Plate | | 00 04 | | RB05 - 4" round die cast electrical box | | 00 04 | | LFLA - LED Bulb |
| | | 01 06 | | GB04 | | 01 06 | | LP12 - Larger 6" Mounting Plate | | 01 06 | | | | 01 06 | | |
| | | 1M 08 | | GB05 | | 1M 08 | | | | 1M 08 | | | | 1M 08 | | |
| | | 03 | | GB06 | | 03 | | | | 03 | | | | 03 | | |
| | | | | ST11 | | | | | | | | | | | | |

HAWK - model: WP-LED2

Endurance Wallpack

WAC LIGHTING

Responsible Lighting®

Fixture Type:

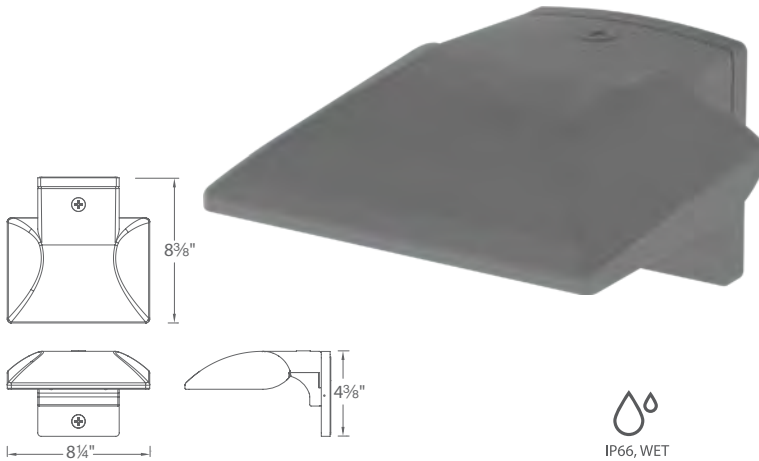
TAG: SW4

Catalog Number:

WP-LED227-30-aBZ

Project:

Location:



SPECIFICATIONS

Construction: Die-cast aluminum

Power: Integral driver in luminaire. Universal voltage input (120V-277V)

Dimming: 100% - 30% with 0 - 10V dimmer (120V - 277V)

100% - 15% with Electronic Low Voltage (ELV) dimmer (120V only)

Finish: Architectural Bronze, Graphite, and White

Standards: IP66, Wet Location, ETL & cETL Listed

Total Harmonic Distortion: 35%

Operating Temperature: -40°C (-40°F) to 40°C (104°F)

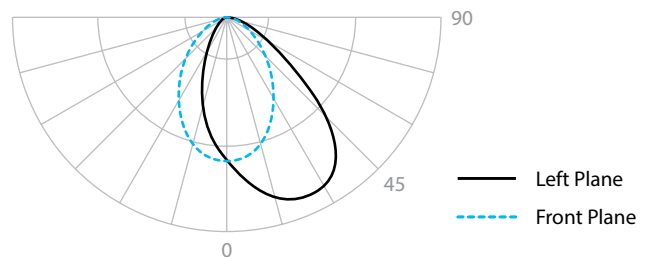
PRODUCT DESCRIPTION

Die cast aluminum factory sealed housings with patent pending design for a water and dust proof IP66 rated outdoor luminaire

FEATURES

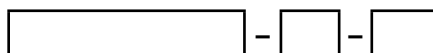
- Factory-Sealed LED Light Engine
- Die-Cast Aluminum Construction
- 20° Forward Throw Illumination
- Photo/Motion Sensor Compatible (Sold Separately)
- Built-in Level For Easy Adjustment
- Suitable to install in all directions
- Multi-Function Dimming: ELV (120V) or 0-10V
- 85 CRI
- 100,000 hour rated life

PHOTOMETRY



ORDER NUMBER

| | | Power | Comparable | Color Temp | Delivered Lumens | CBCP | Finish |
|--|------------------|-------|------------|------------|------------------|------|--------|
| | WP-LED219 | 19W | 39W HID | 30 | 3000K | 1345 | 1022 |
| | | | | 50 | 5000K | 1435 | 1056 |
| | WP-LED227 | 27W | 70W HID | 30 | 3000K | 2050 | 1436 |
| | | | | 50 | 5000K | 2095 | 1478 |



Example: **WP-LED219-30-GH**

ACCESSORIES

Motion Sensor (120V) **MS-120-BZ** Bronze
MS-120-GY Gray
MS-120-WT White

Photo Sensor (120V) **PC-120-BZ** Bronze
PC-120-GY Gray
PC-120-WT White

WAC Lighting

www.waclighting.com

ROADSIDE 2.0

26.2585

PROJECT MANUAL

Headquarters/Eastern Distribution Center

44 Harbor Park Drive • Port Washington, NY 11050

Phone (516) 515.5000 • Fax (516) 515.5050

Western Distribution Center

1750 Archibald Avenue • Ontario, CA 91760

Phone (800) 526.2588 • Fax (800) 526.2585

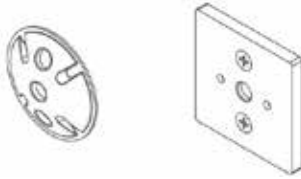
FLOOD/FLOOD PRO Endurance Wallpack

WAC LIGHTING

WP-LED335/WP-LED354



Includes two canopy accessories for surface mount
Or recessed junction boxes

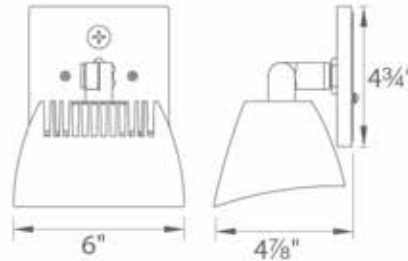


Fixture Type: **TAG: SW5**

Catalog Number: WP-LED 335-30-aBZ

Project:

Location:



PRODUCT DESCRIPTION

Die cast aluminum factory sealed housings with patent pending design for a water and dust proof IP66 rated outdoor luminaire

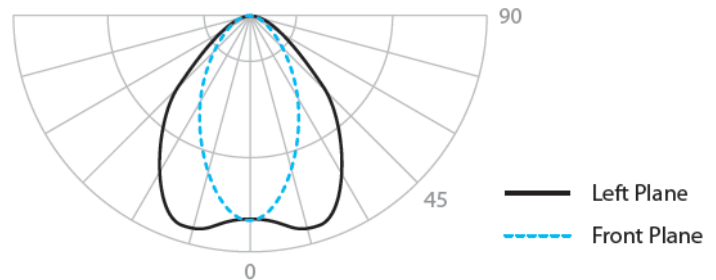
FEATURES

- Factory-Sealed LED Light Engine
- 360° Horizontal Rotation, 90° Vertical Aiming
- Photo/Motion Sensor Compatible (Sold Separately)
- Suitable to install in all directions
- 120V Direct Wire - No Driver Needed
- Smooth and Continuous ELV Dimming
- 90 CRI
- 54,000 hour rated life

SPECIFICATIONS

- Construction:** Die-cast aluminum
- Power:** Line Voltage input (120V)
- Dimming:** 100% - 10% with Electronic Low Voltage (ELV) dimmer
- Finish:** Architectural Bronze, White and Graphite
- Standards:** IP66, Wet Location, ETL & cETL Listed
- Operating Temperature:** -40°C (-40°F) to 40°C (104°F)

PHOTOMETRY



ORDER NUMBER

| Model | | Wattage | Comparable | Color temp | Delivered Lumens | Finish |
|------------------|------------------|---------|------------|------------|------------------|----------------------------|
| WP-LED335 | <i>Flood</i> | 35.5W | 100W HID | 30 | 2450 | aRK Architectural Black |
| | | | | 50 | 2730 | |
| WP-LED354 | <i>Flood Pro</i> | 53W | 150W HID | 35 | 3445 | aBZ Architectural Bronze |
| | | | | | | aGH Architectural graphite |
| | | | | | | aWT Architectural White |

Example: **WP-LED354-35-aWT**

wacighting.com
Phone (800) 526.2588
Fax (800) 526.2585

Headquarters/Eastern Distribution Center
44 Harbor Park Drive
Port Washington, NY 11050

Central Distribution Center
1600 Distribution Ct
Lithia Springs, GA 30122

Western Distribution Center
1750 Archibald Avenue
Ontario, CA 91760

WAC LIGHTING retains the right to modify the design of our products at any time as part of the company's continuous improvement

FLOOD/FLOOD PRO Endurance Wallpack

WP-LED335/WP-LED354

WAC LIGHTING

MOTION SENSOR (120V) available in 3 complementary colors

PHOTOSENSOR (120V) available in 3 complementary colors



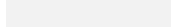
MS-120-BZ Bronze



MS-120-GY Gray



MS-120-WT White



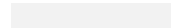
PC-120-BZ Bronze



PC-120-GY Gray



PC-120-WT White



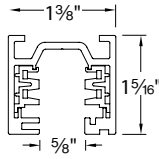
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W Track System - Surface Mount



Fixture Type:

TAG: TR4 & TR12

Catalog Number:

WT-4-BK & WT-12-BK

Project:

Location:

PRODUCT DESCRIPTION

Heavy duty architectural grade track with two independently controllable circuits. Stem or cable suspensions available.

FEATURES

- Power per Circuit: 1920W max (120V) , 4432W max (277V)
- Operating Current: Each circuit is rated 20A (2 x 20A = 40A max)
- Extruded aluminum construction
- UL & CUL listed
- 5 year WAC Lighting product warranty

SPECIFICATIONS

Materials: Solid copper alloy bus bars in an extruded aluminum with a rectangular cross-sectional area of 4.2 mm²

Electrical: Electric feed capability through all jointers/feeders (except Power Connector and Flexible Connector) using standard 1/2 inch knock-outs

Mounting: Fixtures may be installed or removed anywhere along the track. Minimum fixture spacing is 1 foot. Track fixture has safety interlocks when installed/removed. Polarization is guaranteed throughout the system

Finish: Available in black powder coat (**BK**), white powder coat (**WT**), or platinum anodized (**PT**) finishes

Standards: UL & CUL listed

ORDER NUMBER

| Model | Length | Finish |
|-----------------|---------------|--------------------|
| WT 120V | 4 4' | BK Black |
| WHT 277V | 8 8' | PT Platinum |
| | 12 12' | WT White |

Each section includes two matching end caps.



Example: **WHT4-PT**












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Phone (800) 526.2588
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44 Harbor Park Drive
Port Washington, NY 11050







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Ont

W Track System - Surface Mount

| Accessories | Model | Volt | Finish | Description |
|-------------------------------------|---|--------------|-------------------------------------|---|
| Live End Connector – Left Polarity |  WEDL WHEDL | 120V 277V | BK PT WT | Direct wiring through ceiling. Polarity on left side of track. |
| Live End Connector – Right Polarity |  WEDR WHEDR | 120V 277V | BK PT WT | Direct wiring through ceiling. Polarity on right side of track. |
| "I" Connector |  WPC WHPC | 120V 277V | BK PT WT | Join two sections of track with electrical continuity. |
| "I" Power Connector |  WIC WHIC | 120V 277V | BK PT WT | Power entry point at the connection of two tracks. |
| Flexible Connector |  WFC WHFC | 120V 277V | BK PT WT | Transition from wall-to-wall, wall-to-ceiling, or ceiling-to-ceiling. Power feedable. |
| Canopy Plate |  CP | 120V 277V | BK PT WT | Covers a standard 4" octagonal box. |
| "L" Connector Left Polarity |  WLLC WHLLC | 120V 277V | BK PT WT | Join 2 track sections to make power feedable 90° left polarity turns. |
| "L" Connector Right Polarity |  WRLC WHRLC | 120V 277V | BK PT WT | Join 2 track sections to make power feedable 90° right polarity turns. |
| "T" Connector – Left |  WLTC WHLTC | 120V 277V | BK PT WT | Join 3 track sections. Power feedable. Polarity on outside edge. |
| "T" Connector – Right |  WRTC WHRTC | 120V 277V | BK PT WT | Join 3 track sections. Power feedable. Polarity on inside edge. |
| "X" Connector |  WXC WHXC | 120V 277V | BK PT WT | Join 4 track sections. Power feedable. |

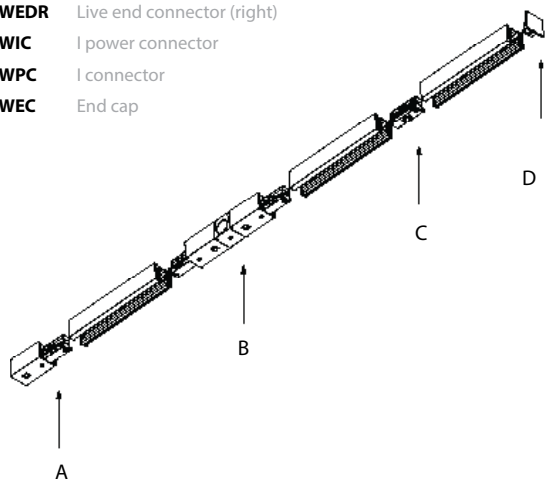
| Track Current Limiter | Model | Volt | Rating | Finish | Description |
|-----------------------|---|--------------|--|-------------------------------------|---|
| Live end - Left |  WEDL WHEDL | 120V 277V | 1A 1 Amp 2A 2.5Amp 5A 5 Amp 7A 7.5Amp 10A 10Amp 12A 12Amp | BK PT WT | Assures compliance to California Title 24 or ASHRAE 90.1 requirements |
| Live end - Right | WEDR WHEDR | 120V 277V | | | |

| Suspension | Model | Length | Finish | Description |
|----------------------------|--|--|-------------------------------------|--|
| Stem Kit With Power Feed |  WMSP | 6 6" 12 12" 24 24" 36 36" 48 48" 96 96" | BK PT WT | Power feed to connect with a Live End or any Joiner/Feeder. May be field cut. |
| Flexible Power Feed |  WMFP | 48 48" 96 96" | BK PT WT | Flexible power feed to connect with a Live End or any Joiner/Feeder. Recommended for use with Cable Suspensions. May be field cut. |
| Pendant Stem Kit |  WMT-X | 6 6" 12 12" 24 24" 36 36" 48 48" 96 96" | BK PT WT | Use to extend track from the ceiling. May be field cut. |
| T-Bar Stem Kit | WMT-TB | | | Extend track from drop ceilings. May be field cut. |
| Sloped Ceiling Stem Kit |  WMT | XS6 6" XS12 12" XS24 24" XS36 36" XS48 48" XS96 96" | BK PT WT | Use to extend track from a sloped ceiling. May be field cut. |
| Sloped Ceiling Cable Kit |  WMST | XS48 48" XS96 96" | BK PT WT | Extend track from a sloped ceiling. May be field cut. |
| Suspension Cable Kit |  WMST-X | 48 48" 96 96" | BK PT WT | Extend track from the ceiling. May be field cut. |
| T-Bar Suspension Cable Kit | WMST-TB | | | Extend track from drop ceilings. May be field cut. |

| Suspension Accessories | Model | Finish |
|--|---|-------------------------------------|
| Suspension Hanger Clip |  WMT | BK PT WT |
| "I" Power Connector Suspension Mount |  WMPC | BK PT WT |
| Live End Suspension Mount |  WMED | BK PT WT |
| Power Feed Coupler Suspension Mount Use with "I" Power Connector |  WMIC | BK PT WT |
| "L" Connector Suspension Mount |  WMLC | BK PT WT |
| "T" Connector Suspension Mount |  WMTC | BK PT WT |
| "X" Connector Suspension Mount |  WMXC | BK PT WT |

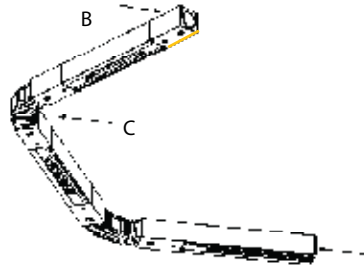
Straight Configuration

- A WEDR** Live end connector (right)
- B WIC** I power connector
- C WPC** I connector
- D WEC** End cap

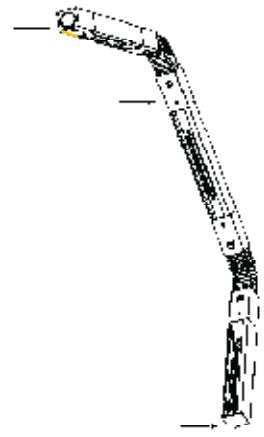


Flexible Configurations

- A WEDR** Live end connector (right)
- B WEDL** Live end connector (left)
- C WFC** Flexible connector
- D WEC** End cap



Horizontal Ceiling Mount

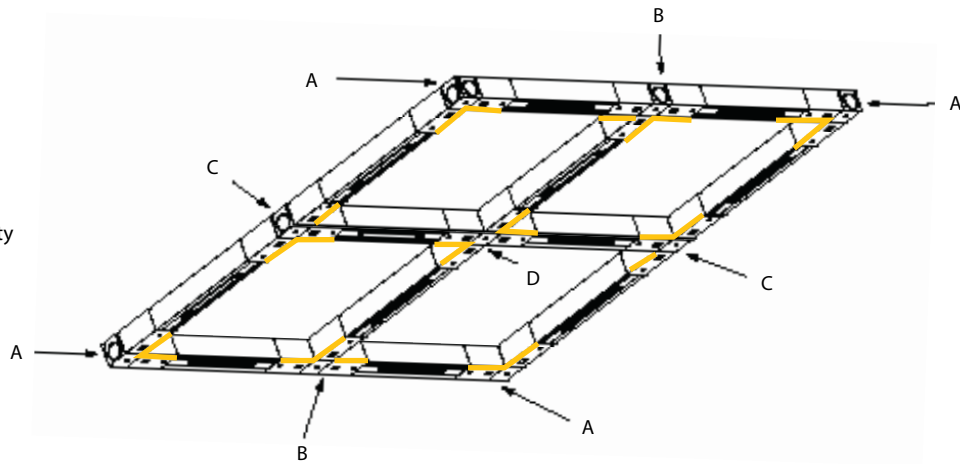


Vertical Wall-to-Ceiling Mount

Grid Configuration

- A WLLC** L Connector Left
- B WLTC** T Connector Left
- C WRTC** T Connector Right
- D WXC** X Connector

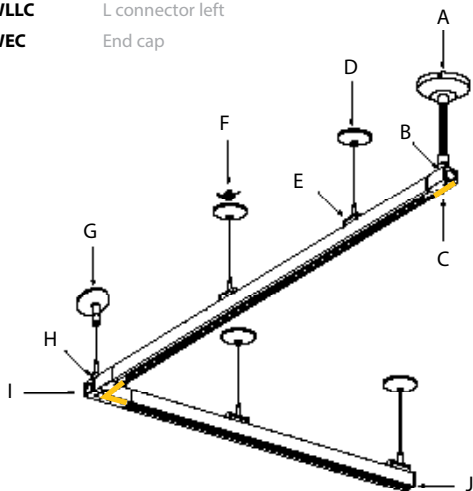
= Indicates Electrical Continuity



Cable Suspension Mount

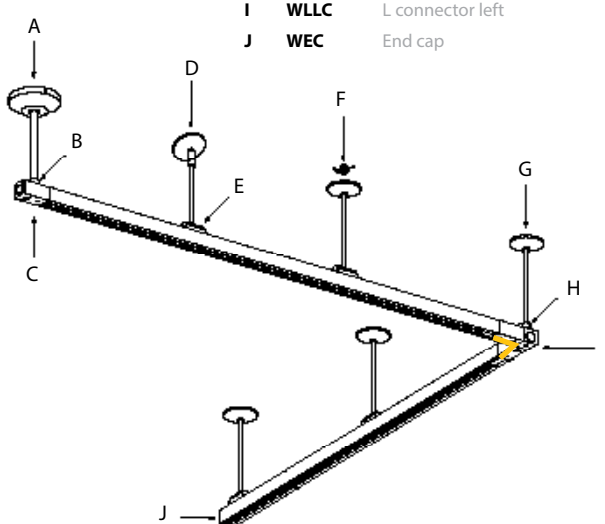
- A WMFP** Flexible Stem kit with power feed
- B WMED** Live end suspension mount
- C WEDL** Live end connector (left)
- D WMST-X** Cable suspension kit
- E WMT** Suspension hanger clip
- F WMST-TB** T bar cable suspension kit
- G WMST-XS** Sloped ceiling cable kit
- H WMLC** L connector suspension mount
- I WLLC** L connector left
- J WEC** End cap

Use one support for every 4 feet



Stem Suspension Mount

- A WMSP** Stem kit with power feed
- B WMED** Live end suspension mount
- C WEDR** Live end connector (right)
- D WMT-XS** Sloped ceiling stem kit
- E WMT** Suspension hanger clip
- F WMT-TB** T bar stem kit
- G WMT-X** Stem kit
- H WMLC** L connector suspension mount
- I WLLC** L connector left
- J WEC** End cap

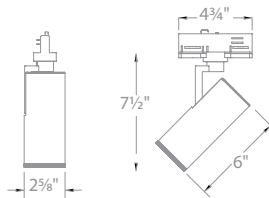


PALOMA – model: LED 4023

W Track System Luminaires

WAC LIGHTING

Responsible Lighting®



Fixture Type:

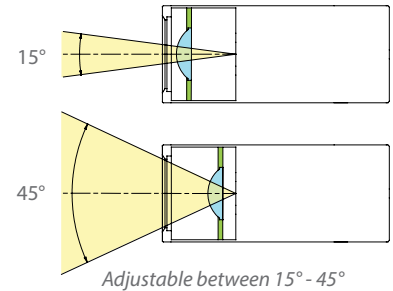
TAG: T1

Catalog Number:

WTK-4023-927-BK

Project:

Location:



Adjustable between 15° - 45°

PRODUCT DESCRIPTION

Museum-quality LED luminaire with adjustable beam angle.

FEATURES

- Continuously adjustable beam angle between 15° - 45°
- Die-cast aluminum construction with rotatable front face
- Stealth armature with 365° horizontal rotation and 90° vertical aiming
- Beam alignment indicator
- Patents Pending
- 50,000 hour rated life
- 5 year warranty

SPECIFICATIONS

Construction: Die-cast aluminum with rotatable front face

Input: 120 VAC, 277VAC 50/60Hz

Power: 22W

Light Source: High output COB LED

Dimming: 100%-5% ELV and TRIAC (120V only)

Standards: UL & cUL Listed. Title 24 JA8-2016 Compliant.

ORDER NUMBER

| Track | Model | Color Temp | CRI | Beam | Lumens | CBCP | Finish | | | |
|------------|--------------|------------|-------|-------|--------|------|--------|------|----------------|----------------------------|
| WTK WHK | 120V 277V | 4023 | 827 | 2700K | 85 | 15° | 845 | 4965 | BK PT WT | Black Platinum White |
| | | | | 45° | 1220 | 1840 | | | | |
| | | | 927 | 2700K | 90 | 15° | 710 | 4265 | | |
| | | | | 45° | 1025 | 1560 | | | | |
| | | | 830 | 3000K | 85 | 15° | 875 | 5175 | | |
| | | | | 45° | 1270 | 1905 | | | | |
| | | 930 | 3000K | 90 | 15° | 765 | 4570 | | | |
| | | | 45° | 1100 | 1670 | | | | | |
| | | 835 | 3500K | 85 | 15° | 925 | 5405 | | | |
| | | | 45° | 1335 | 2000 | | | | | |
| | | 840 | 4000K | 85 | 15° | 945 | 5355 | | | |
| | | | 45° | 1355 | 2010 | | | | | |



Optional Focusing Framing
Projector Accessory **FP-K**

- Dual adjustable optical lenses precision focus light for crisp illumination
- Adjustable framing shims create a feature accenting, rectangular pattern of illumination

WTK-4023-930-

Example: **WTK-4023-930-BK**

Accommodates one lens accessory and one glare control accessory, or one framing projector.

LENS ACCESSORIES

| | |
|-----------------|--------------------|
| Amber | LENS-16-AMB |
| Blue | LENS-16-BLU |
| Green | LENS-16-GRN |
| Red | LENS-16-RED |
| Frosted | LENS-16-FR |
| Spread | LENS-16-SPR |
| Beam Elongating | LENS-16-BEL |

FOCUSING FRAMING PROJECTOR ACCESSORIES

| |
|----------------|
| FP-K-BK |
| FP-K-WT |

GLARE CONTROL ACCESSORIES

| | |
|--------------|--|
| Cross Louver | LENS-16P-CRL-BK LENS-16P-CRL-WT |
| Snoot | LENS-16-SNOOT-BK LENS-16-SNOOT-WT |
| Honeycomb | LENS-16-HCL |

wacighting.com

Phone (800) 526 2588

ROADSIDE 2.0

PROJECT MANUAL

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Western Distribution Center

1750 Archibald Avenue

Ontario, CA 91760

i6

Bold and innovative, i6 represents the strong side of comfort. Its impressive airflow and striking design bring power into focus for your space, transforming the ordinary into the exceptional. Let automated SenseMe™ technology and an available color-changing LED modernize your notion of fan performance, then relax as i6 silently safeguards your comfort.



KEY FEATURES

- ▶ **Six premium airfoils** built from aircraft-grade aluminum
- ▶ **Patented brushless DC motor** for silent, efficient performance
- ▶ **Built-in SenseMe™ technology** for automated convenience and efficiency
- ▶ **Voice integration** with Amazon Alexa and Google Assistant devices
- ▶ **Available light kit** with fully dimmable, color-changing LED
- ▶ **Indoor and outdoor** models available to fit any space

DIAMETER

60, 72, 84, AND 96 INCHES
(152, 183, 213, AND 244 CM)

MOUNTING

- UNIVERSAL
- FLUSH MOUNT

CONTROL

- BLUETOOTH WALL/REMOTE
- MOBILE APP
- VOICE INTEGRATION

WARRANTY

UP TO
5 YEARS
INDOOR

UP TO
3 YEARS
OUTDOOR



BIG ASS FANS™

EXCEPTIONALLY
ENGINEERED

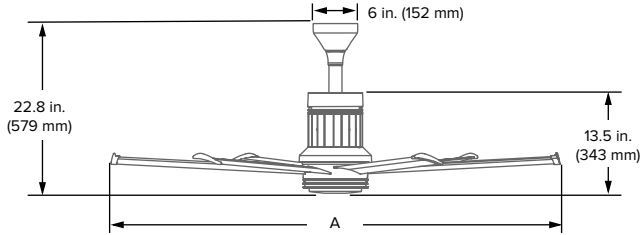
DISCOVER MORE ABOUT i6

Learn more at bigassfans.com/i6
or call **877.BIG.FANS** for a free custom quote.

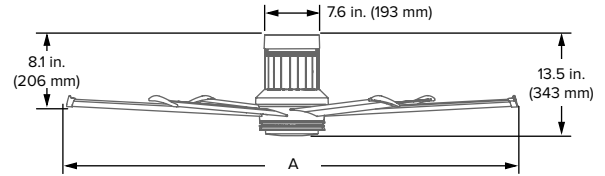
ROADSIDE 2.0
PROJECT MANUAL

i6

INSPIRED BY INDUSTRY, BUILT FOR COMFORT



Pictured with 6 in. (152 mm) downrod and light kit⁶



Pictured with flush mount and light kit⁶

Technical Specifications

| Diameter (A) | Environment | CFM ^{1,2} | Efficiency (CFM/W) ² | Max Watts | Max Speed | Light Kit | Input Power | Weight ³ | Sound Level ⁴ |
|----------------|------------------------|------------------------------|---------------------------------|-----------|-----------|-----------------------|----------------------------|---------------------|--------------------------|
| 60 in. (1.5 m) | Indoor | 9,676 ¹ | 260 | 35.4 W | 170 RPM | 1,770 lm 72.6 lm/W | 100–277 VAC, 50/60 Hz, 1 Φ | 34 lb (15.4 kg) | <35 dba at max speed |
| | Covered Outdoor (IPX5) | 9,746 ¹ | 257 | 31.6 W | | | | | |
| 72 in. (1.8 m) | Indoor | 13,598 | 312 | 41.6 W | 140 RPM | | | | |
| | Covered Outdoor (IPX5) | 13,860 | 318 | 42.2 W | | | | | |
| 84 in. (2.1 m) | Indoor | 15,576 | 370 | 40.2 W | 110 RPM | | | | |
| | Covered Outdoor (IPX5) | 15,814 | 369 | 41 W | | | | | |
| 96 in. (2.4 m) | Indoor | 12,616 (16,211) ² | 525 | 36 W | 80 RPM | | | | |
| | Covered Outdoor (IPX5) | 12,849 (16,560) ² | 534 | 36 W | | | | | |

Construction Features

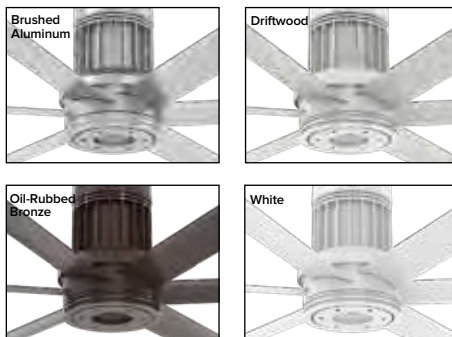
| Airfoils | Motor and Hub | Remote | Onboard Sensors | Integrations ⁵ | Mounting ⁶ | Accessories |
|--|---|--|---|---|--|--|
| Made from aircraft-grade aluminum Tilted blade profile for optimum airflow spread | 24 V DC motor and power supply housed in a three-piece cast aluminum hub with integrated airflow retention system | "Point-anywhere" pairing Integrated speed indicators Mount fixed to wall or with magnetic holder | Temperature, humidity, and motion sensors enable SenseME Technology | Voice control with Google Assistant or Amazon Alexa Works with home automation systems | Flat or sloped ceilings 8 ft (2.4 m) or taller Maximum slope: 33° | LED Light Kit 0–10 V module Optional downrod lengths available for ceilings over 14 ft (4.3 m) |

Ordering Information

| Diameter | Environment | Mount ⁷ | Finish | Downrod ⁷ | LED Light | 0–10 V |
|---------------------------|-----------------------|--------------------|---|---|--------------------------------------|---------------------------------|
| MK-I61-05: 60 in. (1.5 m) | 18: Indoor | 00: Flush | A728: Black | Blank: Flush I06: 6 in. (152 mm) I12: 12 in. (305 mm) I24: 24 in. (610 mm) I00: 36, 48, 60 in. (914, 1219, 1524 mm) | Blank: No LED Light S2: LED Light | Blank: No 0–10 V V54: 0–10 V |
| MK-I61-06: 72 in. (1.8 m) | | | | | | |
| MK-I61-07: 84 in. (2.1 m) | | | | | | |
| MK-I61-08: 96 in. (2.4 m) | 19: Outdoor (Covered) | 06: Standard | A730: Oil-Rubbed Bronze A729F772: White with Driftwood | | | |

CONFIRM DOWNROD LENGTH IN FIELD

Finish Options



Black Finish with LED Light Kit



Remote



¹ 60 inch (1.5 m) fan measured with a 6 inch (152 mm) downrod. When direct-mounted, airflow and efficiency are 7122 cfm and 248 cfm/W (indoor) or 7105 cfm and 247 cfm/W (outdoor).
² 96 inch (2.4 m) fans are tested using the federally mandated test procedure (AMCA 230-15), which differs from the testing method used for 60, 72, and 84 inch fans. For comparative purposes only, 96 inch (2.4 m) was tested using the small diameter method (shown in parentheses) and should not be used for compliance with federal regulations.
³ Weight does not include mount or downrod.
⁴ Actual results of sound measurements in the field may vary due to sound reflective surfaces and environmental conditions.
⁵ Google Assistant is a trademark of Google LLC, Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.
⁶ Mount to an outlet box marked acceptable for fan support of 70 lb (31.8 kg).
⁷ Flush mount available on 60 in. (1.5 m) fans only, 6 in. (152 mm) downrod available on 60 and 72 in. (1.5 and 1.8 m) fans only, 96 in. (2.4 m) fans must use a 12 in. (305 mm) downrod minimum. 36, 48, and 60 in. (914, 1219, and 1524 mm) downrods ordered separately.



Lead times may vary. See full warranty for coverage information.