



Wire Mesh Guarding and Enclosures for Selective Rack - Material Specifications

1. **Wire Mesh Infill** (As Indicated on Quote)
 - **Standard:** #10 W&M Gauge (0.130 in.), bright basic wire welded into a 2" x 2" square mesh.
 - **Heavy Duty:** #6 W&M Gauge (0.192 in.), bright basic wire welded into a 2" x 2" square mesh.
2. **Panels:** Standard panel sizes are in one foot increments up to 5 feet by 10 feet in size. Horizontal and vertical frame members constructed from 1-1/4" x 1-1/4" x 1/8" hot rolled angle, with 1-1/4" x 3/8" slotted holes punched every 12 inches on center (O.C.). Vertical frame members are notched and welded to horizontal angle at corner seams. Wire mesh is securely welded to frame and stiffener bars, when required, are welded to mesh and horizontal frame members. Wire mesh position in angle frame may vary slightly. Adjacent panels are connected using 5/16" x 1" carriage bolts and flanged hex nuts.
3. **Panel stiffener bar:** 1/4" x 3/4" thick hot rolled flat stock, center located and tack welded to wire mesh and horizontal frames on panels. Used only on 10-gauge wire mesh materials and panels greater than 5 feet long in any direction.
4. **Splice channel:** 12-Gauge 1-5/8" x 1" X 1" roll formed channel cut in 4' increments and drilled with 11/32" holes to line up with standard panel hole patterns. Provided at the top and bottom of guarding per each bay requiring more than one panel in width. Also provided on to connect top and side seams of door halves larger than 5 feet by 10 feet. Includes both 5/16" x 1" carriage bolts and self-tapping screws for connection to panels.
5. **Connection angle:** 1-1/2" x 1-1/2" x 14-gauge galvanized angle; punched to connect panels to uprights when extending above uprights. Angle is provided in 7' lengths and may require erector to cut to size. Includes both 5/16" x 1" carriage bolts and self-tapping screws for connection to panels and uprights.
6. **Flush mount panel brackets (if quoted):** 1-1/2" steel angle clips, punched to allow for connection to panels and most teardrop selective rack uprights. 5/16" x 1" carriage bolts, washers, and flanged hex nuts are provided.
7. **PATENT PENDING** Drop-In offset panel brackets for teardrop rack (if quoted):** 7-Gauge, 3" flat steel formed with a 1-3/8" flange, with two riveted bolts to allow for connection to most teardrop selective rack uprights. Brackets are further punched three sets of 5/16" square holes to connect panels so that wire mesh is offset:
 - **Mid-range bracket:** 4", 5" or 6" from upright
 - **Extended bracket:** 8", 10", or 12" from upright

Brackets come with an angled drop pin to keep brackets from lifting or pulling out when installed.

8. **Bolt-on fixed offset panel brackets (if quoted):** 7-Gauge, 3" flat steel formed with a 1-1/2" flange, with 1-1/4" x 3/8" slotted holes punched to allow for connection to various upright styles. Brackets are further punched three sets of 5/16" square holes to connect panels so that wire mesh is offset:
 - **Mid-range bracket:** 4", 5" or 6" from upright
 - **Extended bracket:** 8", 10", or 12" from upright

Brackets connect to slotted holes in wire mesh panel frames using 5/16" x 1" carriage bolts and flanged hex nuts. Erector responsible for trimming off any unwanted portion of brackets extending beyond the panels.

9. **Universal panel brackets (if quoted):** 1-3/4" perforated square tube, 12" long welded to a 5-1/2" x 4" steel plate and punched with round holes to mount to a separate 5-1/2" x 4" steel plate using (2) 3-3/4" x 4" x 3/8" square U-bolts to trap most selective rack uprights. A separate 2" perforated square tube, 2" long is welded to 1-1/2" x 2" x 1/8" thick angle bracket punched with 1-1/4" x 3/8" slotted holes to connect to the outer face of wire mesh panels using 5/16" self-tapping screws. 5/16" x 1" carriage bolts and flanged hex nuts are also provided but do require erector to field drill appropriate holes in wire mesh panels.
10. **Bi-parting Hinge Doors (if quoted):** Consisting of two equal halves, constructed of the same materials as panels and punched with 1-1/4" x 3/8" slotted holes to connect 1-1/4" padlock lugs to each hinge door half. (2) 1/2" solid end, threaded rods are provided per each door half allowing for field adjustable mounting. Rod ends connect over pintle brackets.
11. **Pintle brackets (if quoted):** 1-1/2" diameter steel pintles welded in single or double configurations to a 5-1/2" x 4" steel plate and punched with round holes to mount to a separate 5-1/2" x 4" steel plate using (4) 1/2" x 4" hex head bolt, flat washer and hex nut to trap most selective rack uprights.
12. **Hardware:** Connection hardware provided as noted. Customer responsible for other methods of attachment not detailed herein or resulting from upright styles not compatible with the bracket styles ordered.
13. **Finish (per quote):** Two stage phosphate wash with a standard powder coat finish of Beast Black or optional SpaceGuard Gray. Manufacturer also offers Pure Orange, Signal Blue, Carmine Red, Leaf Green, Zinc Yellow and Signal White for an upcharge. Custom colors and color matches are also available for an additional charge. Aerosol touch-up is provided with each shipment. Hot dip galvanizing is also available for an additional upcharge.
14. **Disclaimer:** This specification is subject to change. To ensure you have the latest update, please refer to www.BeastWireMesh.com. Or, for more information, please contact the manufacturer at (812) 523-3044 or sales@spaceguardproducts.com.