STAINLESS STEEL

PRODUCT INFO

onepointesolutions.com/

ONEPOINTE SOLUTIONS

ONEPOINTE SOLUTIONS

BUILT FOR SPECIALIZED LABORATORIES

OnePointe Solutions manufactures stainless steel furniture for laboratories and cleanrooms in 304 or 316 grade with #3 or #4 finish.

304
Grade

316
Grade

#3, #4
Finish

NSF Compliant

All stainless steel we supply is certified by the NSF in accordance with ANSI/NSF 2 (Food Safety) standards.

304 VS 316

304 grade stainless steel is the most widely used grades for laboratory use. This versatile grade is great for many different applications due to it's resistance to oxidation, corrosion, and general wear and tear. Type 304 is easy to fabricate and clean, enabling users to rest assured that their working environments stay contaminant-free.

316 can be used as a more heavy-duty alternative to 304. Type 316 is superior in it's ability to resist corrosion and chemical damage, making it a go-to for demanding laboratory applications. While 316 tends to cost more up-front, it will serve as a long term investment and will need to be repaired and replaced far less than it's alternatives.

1112 Swenson Blvd, Elgin, TX 78621
onepointesolutions.com | (866) 612-7312

ONEPOINTE SOLUTIONS

STAINLESS STEEL CABINET GAUGES AND MATERIAL

Component	Gauge
Drawer Bodies*, Shelves, Door & Drawer Liners, Removable Backs	20ga
Cabinet Tops	16ga
Cabinet Gables, Bottoms, Toekicks, Outer Door & Drawer Front Panels Table Frames, Filler Panels, Sloping Tops	18ga
Top & Intermediate Channels	16ga
Table Legs	14ga
Drawer Suspension, Hinge Plates	20ga
Cabinet Leveler Support	18ga
Shelf Clips	20ga

Common Uses for Stainless Steel:

- Clean rooms
- Food processing
- Radioactivity research
- Autopsy areas
- Cannabis testing
- Pharmaceutical manufacturing
- Operating rooms
- Healthcare
- Agriculture
- Animal facilities
- Pathology labs

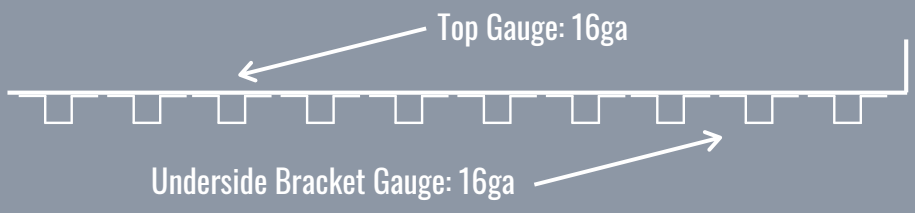
1112 Swenson Blvd, Elgin, TX 78621
onepointesolutions.com | (866) 612-7312

ONEPOINTE SOLUTIONS

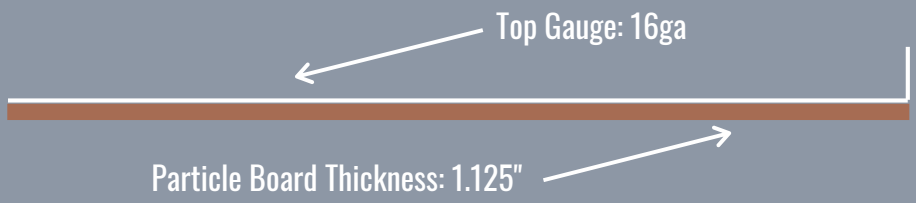
STAINLESS STEEL CABINET GAUGES AND MATERIAL

Component	Material
Self Closing Hinges (With S/S Fasteners)	Zinc Coat
Door & Drawer Pulls	Aluminum
Drawer Roller Bearings	Steel
Full Extension Drawer Glides	Cold Roll Steel
Cabinet Leveler Access Covers	Poly Plastic

Steel Hat Channel



Wood Core Stainless Steel



1112 Swenson Blvd, Elgin, TX 78621
onepointesolutions.com | (866) 612-7312

ONEPOINTE SOLUTIONS

BENEFITS OF OUR STAINLESS STEEL

Mositure and Corrosion Resistance
When handled properly, stainless steel offers top-of-the-line protection against damage caused by moisture or corrosive substances.

Impact Protection
Stainless steel offers high yield strength even at elevated temperatures. It is a preferred choice if durability and longevity are primary concerns. In the long run, stainless steel is the most cost effective investment in lab and industrial settings.

Cleans Easily
Smooth radius corners and non-porous surfaces make sanitation easy.

Eco-Friendly
Stainless is both made from recyclable materials and is a recyclable material itself.

Fume Hoods
We supply specialized stainless steel fume hoods with integral components where maximum cleanliness is required.

Specialty Cabinets, Benches, and Furniture
Our stainless steel can be fabricated into endless custom configurations for any specifications.

Work Surfaces and Sinks
We supply integral stainless steel sinks and countertops/table tops for hygienic and demanding laboratory and industrial environments.

1112 Swenson Blvd, Elgin, TX 78621
onepointesolutions.com | (866) 612-7312

ONEPOINTE SOLUTIONS

OUR PRODUCTS AND CONFIGURATIONS

OnePointe Solutions provide the full range of laboratory furniture in stainless steel, including casework, tables, countertops, fume hoods, sinks, and pegboards.










ABOUT US

At OnePointe Solutions, we help end users, general contractors, and architects navigate the complex world of laboratory construction and operation. We provide design, project management, and custom manufacturing solutions.

SEFA MADE IN USA NSF

1112 Swenson Blvd, Elgin, TX 78621
onepointesolutions.com | (866) 612-7312

PRODUCTS AND CONFIGURATIONS

STAINLESS STEEL

ONEPOINTE SOLUTIONS

SPECIFICATIONS

Material:

Stainless steel tops and working surfaces shall be Type 304 stainless steel with #4 finish unless otherwise specified. All exposed surfaces shall be 16-gauge stainless steel reinforced on the underside by 16- gauge galvanized-steel channels, so spaced as to prevent twisting, oil-canning or buckling. Exposed edges of tops shall be formed into a 1¼”-thick channel shape. Splash rails and curbs shall be formed from the same sheet as the top or so welded thereto that they form integral parts thereof. Top edges of curbs and splash-backs shall be formed into a channel shape.

Where stainless-steel sinks are supplied, the sink bowl shall be so welded to the top as to form an integral part thereof. All welds shall be ground smooth and polished to a uniform satin finish over the entire top and sink assembly. Soldering of the sinks, curbs or splash-rails to the top shall not be permitted.

Tops shall be as long as practical to permit access to building or room. Tops shall not exceed 108" long with 4" high integral return splashes. Field joints shall be provided to join oversize tops with welded channels and angles with bolting arrangements for pulling tops together to produce a hair-line, water-resistant seam with flat, level surfaces each side of the joint.

NOTE: The finish in the area of the mechanical joint will be different than that of the area adjacent to the joint.

After fabrication and polishing, surfaces of the tops shall be given a strippable protective coating to protect the tops during shipment and installation. Underside of tops and sinks shall be coated with a sound-deadener. This material shall be waterborne and non-flammable in its liquid state. Material to contain clay, which will act as a flame retardant. Material shall contain no
volatile organic compounds (VOC).

1112 Swenson Blvd, Elgin, TX 78621
onepointesolutions.com | (866) 612-7312

ONEPOINTE SOLUTIONS

SPECIFICATIONS

Material: T304 Stainless Steel with a #4 finish.

CASEWORK CONSTRUCTION

A. Materials and Thickness:
Use the following minimum steel thicknesses for furniture manufacturing:

1. 3mm (11 Ga) leveling bolt gusset plates.
2. 1.9mm (14 Ga) drawer slides and side suspension channels.
3. 1.5mm (16 Ga) for tubular rails, legs for tables, gusset plates, cabinet top and intermediate horizontal rails.
4. 1.2mm (18 Ga) for door and drawer fronts, cabinet floor, cabinet sides, vertical front members, cabinet toe kick, service cover panels, table and kneehole frames, front rails, gable legs and dust caps, false panels, furring and filler panels.
5. 0.9mm (20 Ga) for drawer backs, door backs, vertical closure channel, removable back panels, shelves, drawer bodies, drawer dividers, bin bodies, and pull-out shelves.

B. Cabinet Frame

1. Provide one-piece die-formed cabinet bottom construction with return side flanges turned down. Spot weld flanges to cabinet sides.
2. Cabinet bottoms shall be turned down at front to form 32mm (1-1/4”) “U” channel to accept toe kick and turn down 133mm (5-1/4”) at back with 16mm (5/8”) return to form the back lower member of cabinet base. Provide punched 19mm (3/4”) dia. corner holes for access to levelers and to accept PVC press plugs. It shall be possible to access levelers from above cabinet without removing drawers or drawer supports.
3. Provide additional vertical 75mm (3”) “HAT” shaped channels, spot-welded to or formed with the rear vertical corner. Channel shall be provided with pre-punched holes to receive shelf clips, and slotted holes to receive drawer suspension tracks, Cabinets 762mm (30”) wide and larger shall be provided with intermediate 117mm (4-5/8”) “HAT” channels to brace cabinet and accept shelf clips and drawer tracks

1112 Swenson Blvd, Elgin, TX 78621
onepointesolutions.com | (866) 612-7312

ONEPOINTE SOLUTIONS

SPECIFICATIONS

4. Where applicable, the front corner posts shall be pre-punched and slotted to accept drawer suspension systems and suspension pull-out shelves. Front vertical posts shall form inboard flush front construction for doors and drawers acting as the cabinet main member side gable tying the cabinet bottom and horizontal member together to form a rigid case. Front post rear closure channels shall be “J” shaped 9mm (11/32”) x 33mm (1-5/16”) x 49mm (1-15/16”). Provide channel with pre-punched holes to receive shelf clips.
5. Doors and drawers shall overlay top intermediates and floor horizontal members.
6. Top horizontal front framing member shall form a “J” shaped section 75mm (3”) wide, 10mm (3/8”) return by 25mm (1”) deep with 16mm (5/8”) return.
7. Intermediate horizontal framing members shall form a “U” 32mm (1-1/4”) high with a 25mm (1”) return on top and 16mm (5/8”) return on bottom.
8. Top rear horizontal framing member shall be 50mm (2”) x 32mm (1-1/4”) angle section welded to back corner lapped post and side gables with welded corner gusset plates acting as cabinet bracing and counter top material fixing member.
9. Enclose cabinetry toe space shall be 75mm (3”) deep x 100mm (4”) high and shall act as a total enclosure to bottom of cabinet. Toe space section shall key up into “U” shaped front floor member and act as reinforcement. Toe space, front floor of cabinet and corner post sections shall be spot welded together forming one structural member.
10. The toe space members, side gable returns, and back lower member shall form all welded structural corner to accept leveller gussets and 10mm (3/8”) levelling bolts.
11. Cabinet construction shall be electro spot-welded to form a strong well-fitted, one-piece unit
12. Exposed horizontal structural cabinet members between doors and drawers shall unacceptable.

C. Specific Hardware:

1. Pulls: Provide handles for drawers and hinged doors in 100mm (4”) stainless steel.
2. Door Hinges: Provide five knuckle-type barrel door hinges of 1.9mm (14 Ga) steel screwed into door and fastened to cabinet side stile with two counter sunk #8-32 zinc plated machine screws & captive serrated tooth washer nuts. Hinge finish shall be stainless steel.

SEFA MADE IN USA NSF

1112 Swenson Blvd, Elgin, TX 78621
onepointesolutions.com | (866) 612-7312

ONEPOINTE SOLUTIONS

SPECIFICATIONS

D. Base Cabinet Components

1. Provide removable back panels for cupboard base cabinets. Provide partial back panels 229mm (9”) in height to accommodate plumbing at sink units. When requested, provide back panels and security panels on cabinets requiring locks.
2. Shelving edges; turned down on all four sides 25mm (1”), and returned under on front and back 25mm (1”). Shelves 914mm (36”) and longer shall be provided with “HAT’ channel reinforcement at front edge.
3. Doors:
    - a) Fabricate doors of 2 telescoping metal panels, 19mm (3/4”) thick, with a sounddeadening material extending continuously full-width, and top to bottom. Reinforce hinged side of door adequately with hinge machine screws to prevent sagging. Secure recessed hinges to cabinet posts with machine screws and concealed self-locking nuts. Provide nylon roller friction catches, mounted on horizontal top or intermediate members pull side of doors. Provide each hinged door with 2 rubber bumpers.
    - b) Doors, drawers, tracks and back panels shall be replaceable in the field without requiring special tools.
    - c) All standard double door cabinets shall be designed without center stiles to maximize access to the cabinet.
4. Drawers:
    - a) Fabricate drawer fronts of 2 telescoping metal panels and totally filled with sound deadening material to eliminate possible drumming effect. Form removable utside panel with lip to fit over inside panel on top edge, and to lock into position at bottom with rivets to form a rigid, one-piece 19mm (3/4”) thick drawer front.
    - b) Provide drawer operation on Full Extension Drawer Slides, 508mm (20”) extension, load capacity 45kg (100 pounds).: Equal to: Knape & Vogt #8400B.
    - c) Drawer body shall consist of one piece stainless steel construction including the bottom, two sides, back and inner front flanged end which shall be welded to the interior drawer front head. The exterior drawer front shall have a channel formation on the top edge with ground smooth and fully finished return edges telescoping together to form fully sounded-deadened drawer front. Drawer bodies shall have a reinforcing bend on top edges.
    - d) Provide built-in stops to prevent inadvertent removal of drawers, with allowance for drawer to be removed by lifting front of drawers and pulling out.
    - e) Provide drawer pulls in central location of drawer face. Two handles shall be provided on units 762mm (30”) and larger.

1112 Swenson Blvd, Elgin, TX 78621
onepointesolutions.com | (866) 612-7312