



TIM CAMPBELL 800-400-7500

Item # \_\_\_\_\_

Job \_\_\_\_\_

## Metro® LAB SOLUTIONS

Metro's new line of stainless laboratory solutions address a wide range of laboratory requirements while providing corrosion proof performance, ensuring long life and maximum value for your investment. Metro's innovative product designs are extremely versatile and allow you to reconfigure, add-on, or break-down product as your needs change over time. Laboratory solutions are designed to fit any budget by permitting the user to select from a wide range of caster solutions, based on budget and/or application requirements. Metro's Stainless Laboratory Solutions include:

- Stainless Worktables designed specifically for Lab environments.
- All-stainless solid shelves designed for cart wash and autoclave applications.
- All-stainless lab carts featuring corrosion-proof performance.
- All-stainless mouse cage racks designed specifically for Animal Research environments.
- High temperature casters designed for cart wash and autoclave applications.
- Autoclave cart covers.
- **Strong, Durable Construction:** Built primarily from Type 304 stainless, Metro's Laboratory Solutions provide long-life performance and excellent corrosion resistance. Innovative product designs ensure unit rigidity and optimum load bearing performance.
- **Easy to Assemble:** Units are shipped knocked down and assemble in minutes. Solid shelves utilize a tapered sleeve which provides a positive lock for shelves when pushed down. Table construction also utilizes tapered sleeve approach, as well as innovative double-sided tape to affix various top materials.
- **Versatile:** Metro Lab Solutions can change as quickly as your needs change. By using various accessories, including multiple caster options, many different product configurations become possible.
- **Laboratory Considerations:** Product designs feature smooth surfaces that are easy to wipe down. A number of the cart solutions and accessories are designed to be cart-washed or autoclaved to ensure optimum cleanliness. Product footprints are designed to be compact to accommodate lab space constraints and to capitalize on technological miniaturization trends towards smaller equipment and instruments.



**LTSM60UIS with accessories and casters**



**LTSM30IS with casters**



**LC2S2436 with autoclave casters**



**5MHTP and 5MHTPB  
(Hi-temp phenolic autoclave casters)**



# Specifications

## Countertop (Lab Worktables):

**Stainless Steel Tops:** 16 gauge (.060) thick, Type 304 Stainless Steel, #3 Polish with vinyl protection. Island tops have bull nose front and back edge. 4" (102mm) high brake-formed backsplash on backsplash models.

**Phenolic Top:** TRESPA Top Lab Plus (black or gray) phenolic resin.

**Phenolic Backsplash:** TRESPA Athlon (black or gray) phenolic resin.

**Bottom Shelf:** 16-gauge T-304 stainless steel. 30" x 30" (760 x 760mm) work tables have 24" x 24" (610 x 610mm) bottom shelves; 30" x 36" (760 x 914mm) work tables have 24" x 30" (610 x 760mm) bottom shelves; 30" x 48" (760 x 1219mm) work tables have 24" x 42" (610 x 1066mm) bottom shelves; 30" x 60" (760 x 1524mm) work tables have 24" x 54" (610 x 1370mm) bottom shelves.

**Bottom Frame:** Three-sided 16-gauge stainless tubular frame. 30" x 30" (760 x 760mm) work tables have 24" x 24" (610 x 610mm) bottom frames; 30" x 36" (760 x 914mm) work tables have 24" x 30" (610 x 760mm) bottom frames; 30" x 48" (760 x 1219mm) work tables have 24" x 42" (610x1066mm) bottom frames; 30" x 60" (760 x 1524mm) work tables have 24" x 54" (610 x 1370mm) bottom frames.

**Posts:** Steel posts have an outside diameter of 1 5/8" (38mm), with rolled grooves in 2" (51mm) increments along entire height. **Mobile posts include an adapter insert that can accept any standard Metro 5M series casters.** (Casters ordered separately.)

## Stainless Lab WorkTables

- Stainless steel construction throughout provides corrosion-proof performance.
- Table features smooth surfaces that are easy-to-clean. Mobile units can be easily moved to clean behind table area.
- Available top materials include Type 304 stainless and TRESPA phenolic resin (black or gray). Refer to chart below for more information.
- Choose from a wide range of accessories and caster options (page 4) to customize table.

Countertop Application Matrix							
Use Area	Epoxy Resin	Phenolic Resin	Stainless Steel	Characteristics	Epoxy Resin	Phenolic Resin	Stainless Steel
				Heat Resistance	Excellent	Fair*	Excellent
Low chemical use				Abrasion Resistance	Good	Excellent	Good
Moderate chemical use	X	X		Impact Resistance	Good	Excellent	Good
High chemical use		X	X	Strength	Good	Excellent	Good
				Stain Resistance	Good	Good	Good

\*Discolors with high heat  
**Note:** Phenolic resin and stainless are offered as top options for this table system. **Epoxy resin information is shown for comparison only.**

### Definitions:

**Phenolic resin:** Compression molded of organic fiber-reinforced phenolic core with an integrally cured thermoset resin surface. Stronger than Epoxy resin over a span, and not as brittle.

**Stainless Steel:** Worksurfaces are fabricated from Type 304 stainless steel which provides excellent protection in corrosive environments.

**Epoxy resin:** Epoxy resins, silica, organic fillers, and inert hardeners are cast in forms and cured to a uniform mixture throughout.



**LT30US with accessory stainless wire shelf**



**LTSM30IS with casters**

Select Table Style from Chart Below and Following Page:

Lab Tables with **Stainless Island Top** and **Solid HD Shelf**

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	Stationary		Mobile		(lbs.)	(kg)
LTS30IS	LTSM30IS	30.000	762	29.750	755	35.375	898	35.188	893	65	30
LTS36IS	LTSM36IS	30.000	762	35.750	908	35.375	898	35.188	893	80	36
LTS48IS	LTSM48IS	30.000	762	47.750	1212	35.375	898	35.188	893	103	47
LTS60IS	LTSM60IS	30.000	762	59.750	1517	35.375	898	35.188	893	140	63

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.



**LTSM30IS with casters (ordered separately)**

Lab Tables with **Stainless Island Top** and **3-Sided Frame**

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	Stationary		Mobile		(lbs.)	(kg)
LTS30UIS	LTSM30UIS	30.000	762	29.750	755	35.375	898	35.188	893	58	26
LTS36UIS	LTSM36UIS	30.000	762	35.750	908	35.375	898	35.188	893	70	32
LTS48UIS	LTSM48UIS	30.000	762	47.750	1212	35.375	898	35.188	893	91	41
LTS60UIS	LTSM60UIS	30.000	762	59.750	1517	35.375	898	35.188	893	119	54

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.



**LTSM60UIS with accessories and casters**

Lab Tables with **Stainless Backsplash Top** and **Solid HD Shelf**

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	Stationary		Mobile		(lbs.)	(kg)
LTS30S	LTSM30S	30.000	762	29.750	755	35.375	898	35.188	893	65	30
LTS36S	LTSM36S	30.000	762	35.750	908	35.375	898	35.188	893	80	36
LTS48S	LTSM48S	30.000	762	47.750	1212	35.375	898	35.188	893	103	47
LTS60S	LTSM60S	30.000	762	59.750	1517	35.375	898	35.188	893	140	63

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.

Lab Tables with **Stainless Backsplash Top** and **3-Sided Frame**

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	Stationary		Mobile		(lbs.)	(kg)
LTS30US	LTSM30US	30.000	762	29.750	755	35.375	898	35.188	893	58	26
LTS36US	LTSM36US	30.000	762	35.750	908	35.375	898	35.188	893	70	32
LTS48US	LTSM48US	30.000	762	47.750	1212	35.375	898	35.188	893	91	41
LTS60US	LTSM60US	30.000	762	59.750	1517	35.375	898	35.188	893	119	54

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.



**LTS30US with accessory wire shelf**

Lab Tables with **Black Phenolic Top** and **Solid HD Shelf**  
(Backsplash accessory ordered separately)

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	Stationary		Mobile		(lbs.)	(kg)
LTS30PB	LTSM30PB	30.000	762	29.750	755	36.000	914	35.875	911	77	35
LTS36PB	LTSM36PB	30.000	762	35.750	908	36.000	914	35.875	911	92	41
LTS48PB	LTSM48PB	30.000	762	47.750	1212	36.000	914	35.875	911	113	51
LTS60PB	LTSM60PB	30.000	762	59.750	1517	36.000	914	35.875	911	141	64

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.

## Stainless Lab Tables (cont'd.)

Lab Tables with **Black Phenolic Top and 3-Sided Frame**  
(Backsplash accessory ordered separately)

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt. (lbs.) (kg)	
		(in.)	(mm)	(in.)	(mm)	Stationary		Mobile			
		(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)		
LTS30UPB	LTSM30UPB	30.000	762	29.750	755	36.000	914	35.875	911	70	32
LTS36UPB	LTSM36UPB	30.000	762	35.750	908	36.000	914	35.875	911	82	37
LTS48UPB	LTSM48UPB	30.000	762	47.750	1212	36.000	914	35.875	911	101	46
LTS60UPB	LTSM60UPB	30.000	762	59.750	1517	36.000	914	35.875	911	120	54

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.



**LTSM60UPB with accessories, casters, backsplash accessory, and Starsys™ cart**

Lab Tables with **Gray Phenolic Top and Solid HD Shelf**  
(Backsplash accessory ordered separately)

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt. (lbs.) (kg)	
		(in.)	(mm)	(in.)	(mm)	Stationary		Mobile			
		(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)		
LTS30PG	LTSM30PG	30.000	762	29.750	755	36.000	914	35.875	911	77	35
LTS36PG	LTSM36PG	30.000	762	35.750	908	36.000	914	35.875	911	92	41
LTS48PG	LTSM48PG	30.000	762	47.750	1212	36.000	914	35.875	911	113	51
LTS60PG	LTSM60PG	30.000	762	59.750	1517	36.000	914	35.875	911	141	64

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.



**LTSM60UPG with accessories, casters, backsplash accessory, and Starsys™ cart**

Lab Tables with **Gray Phenolic Top and 3-Sided Frame**  
(Backsplash accessory ordered separately)

Cat. No. Stationary	Cat. No. Mobile	Width		Length		Work Surface Height				Approx. Pkd. Wt. (lbs.) (kg)	
		(in.)	(mm)	(in.)	(mm)	Stationary		Mobile			
		(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)		
LTS30UPG	LTSM30UPG	30.000	762	29.750	755	36.000	914	35.875	911	70	32
LTS36UPG	LTSM36UPG	30.000	762	35.750	908	36.000	914	35.875	911	82	37
LTS48UPG	LTSM48UPG	30.000	762	47.750	1212	36.000	914	35.875	911	101	46
LTS60UPG	LTSM60UPG	30.000	762	59.750	1517	36.000	914	35.875	911	120	54

Leveling feet on stationary units have 1.250 (31mm) vertical adjustment.

**Casters ordered separately.** Refer to Caster Selection Guide (page 4) for more information.

Stainless Lab Tables are load rated at 50 lbs. per sq. foot (.024kg per sq. cm) up to a maximum of 600 lbs. (273kg) assuming evenly distributed load and caster specification meets requirement.

For **Mobile Stainless Lab Tables**, Select Appropriate Casters from Caster Selection Guide, below:

**(Four brake casters are recommended for maximum table stability)**

### Caster Selection Guide

Caster Series	Wheel Material	Rollability	Floor Protection	Noise	Load Rating (lbs.) (kg)	Corrosion Resistance	Cart Washable	Antimicrobial Additive in Wheel
5MDA/5MDBA (brake)	High Modulus Rubber	Good	Good	Low	250 114	Low	No	No
5MP/5MPB (brake)	Polyurethane	Good	Good	Moderate	300 137	Low	No	No
5PC/5PCB (brake)	Polyurethane	Good	Good	Moderate	300 137	High	No	No
5PCM/5PCBM (brake)	Polyurethane	Good	Good	Moderate	300 137	High	No	Yes
5MPGSA/5MPGSA (brake)	Polyurethane	Good	Good	Moderate	300 137	High	Yes	No

**NOTE:** The total weight of the equipment and its load should not exceed three times the load rating per caster.

Additional stem casters, in various sizes and wheel materials, are available. Contact your Metro rep for more information.



**5MDA**



**5MP**



**5PCB**



**5PCBM**



**5MPGSA**

**NOTE:** Use heavy-duty mobile post adapter (Cat. No. 9974HDP-4) to convert HD Mobile post to accept any standard Metro 5M series casters (shown above).



**Choose from Available Accessories to Customize Table**

**Backsplash**

4" (102mm) high. Attaches to phenolic table top (page 3), using pre-drilled holes. Match length and color with selected countertop.

Cat. No. Black	Cat. No. Gray	Length		Approx. Pkd. Wt.	
		(in.)	(mm)	(lbs.)	(kg)
LT30BSB	LT30BSG	27 <sup>3</sup> / <sub>4</sub>	705	5.5	2.5
LT36BSB	LT36BSG	33 <sup>3</sup> / <sub>4</sub>	875	6.5	2.9
LT48BSB	LT48BSG	45 <sup>3</sup> / <sub>4</sub>	1162	7.5	3.4
LT60BSB	LT60BSG	57 <sup>3</sup> / <sub>4</sub>	1466	9.5	4.3



**L30BSG**

**Wire Shelf**

Stainless shelves mount on 3-sided frames with use of clips.

Cat. No. Stainless	Fits Shelf Length		Approx. Pkd. Wt.	
	(in.)	(mm)	(lbs.)	(kg)
LT30WS	22 <sup>3</sup> / <sub>8</sub>	568	6	2.7
LT36WS	28 <sup>3</sup> / <sub>8</sub>	720	7.5	3.4
LT48WS	40 <sup>3</sup> / <sub>8</sub>	1025	10	4.5
LT60WS	52 <sup>3</sup> / <sub>8</sub>	1330	12	5.4



**LT30WS**

**Note:** Shelves are load rated for a maximum of 150 lbs. (68kg).

**Stainless Keyboard Tray**

Fits 48" and 60" (1219 and 1524mm) table lengths

Cat. No. **LTSKB**

**Note:** Stainless keyboard tray and stainless drawer will both fit 60" (1524mm) long table.



**LTSKB**

**Stainless Drawer**

Fits 30", 36", 48" and 60" (760, 914, 1219, and 1524mm) table lengths

Cat. No. **LTSD6**

**Note:** Stainless keyboard tray and stainless drawer will both fit 60" (1524mm) long table.



**LTSD6**

**Surface Mount Swing Arm for Flat Monitor**

Mounts on stainless and phenolic tops.

Cat. No. **LTFMA**



**LTFMA**

### Super Erecta Shelf® All-Stainless Solid Shelving

- Solid shelving is available in four widths and six lengths
- All-stainless, 18-gauge steel construction with 1/8" (3mm) ship's edge detail helps contains spills
- All-stainless design, including stainless cast corners, can be used in cart wash and autoclave environments. Refer to autoclave guidelines on page 8.
- New accessories include high-temperature autoclave casters and autoclave cart covers. See page 8 for more information.



All stainless solid shelf with stainless corners

### Solid Shelves

Cat. No. Stainless	Width		Length		Approx. Pkd. Wt.	
	(in.)	(mm)	(in.)	(mm)	(lbs.)	(kg)
1424NFS	14	355	24	610	8.2	3.7
1430NFS	14	355	30	760	10.2	4.6
1436NFS	14	355	36	914	12.8	5.8
1442NFS	14	355	42	1066	13.3	6.0
1448NFS	14	355	48	1219	15.1	6.8
1460NFS	14	355	60	1524	19.8	9.0
1824NFS	18	457	24	610	10.6	4.8
1830NFS	18	457	30	760	12.6	5.7
1836NFS	18	457	36	914	14.8	6.7
1842NFS	18	457	42	1066	16.3	7.4
1848NFS	18	457	48	1219	17.8	8.1
1860NFS	18	457	60	1524	22.3	10.1
2124NFS	21	530	24	610	12.1	5.5
2130NFS	21	530	30	760	14.3	6.5
2136NFS	21	530	36	914	16.3	7.4
2142NFS	21	530	42	1066	21	9.5
2148NFS	21	530	48	1219	22.3	10.1
2160NFS	21	530	60	1524	25	11.3
2424NFS	24	610	24	610	13.3	6.0
2430NFS	24	610	30	760	15.3	6.9
2436NFS	24	610	36	914	19	8.6
2442NFS	24	610	42	1066	20.3	9.2
2448NFS	24	610	48	1219	22.9	10.4
2460NFS	24	610	60	1524	30.3	13.7



**Important:** When ordering by components remember that stability decreases as the ratio of height to width increases. Units should be kept as wide and low as possible.

**Note:** Demo corner sample can be obtained by ordering Cat. No. DEMO-NFS.

### Stainless Steel Shelf Ledges

Sturdy 4" (101mm) ledges contain items on shelves. Spring-clip tabs included for attachment.

Cat. No. Stainless	Fits Shelf Length		Approx. Pkd. Wt. Per 6 Pieces	
	(in.)	(mm)	(lbs.)	(kg)
L14WS	14	355	7 1/2	3.4
L18WS	18	457	9	4.1
L21WS	21	530	10 1/2	4.7
L24WS	24	610	12	5.4
L30WS	30	760	13 1/2	6.0
L36WS	36	914	16 1/2	7.4
L42WS	42	1066	19 1/2	8.7
L48WS	48	1219	22 1/2	10.1
L60WS	60	1524	30	13.5

\*Actual ledge length is approximately 1" (25mm) shorter than nominal shelf length/width.



4" (101mm) Ledges

### Stainless Steel Shelf Dividers

The easy way to keep shelves orderly. Eight inch (203mm) high dividers attach with spring clips (provided).

Cat. No. Stainless	Fits Shelf Length		Approx. Pkd. Wt. Per 6 Pieces	
	(in.)	(mm)	(lbs.)	(kg)
DD18FS	18	457	13 1/2	6.0
DD24FS	24	610	16 1/2	7.4



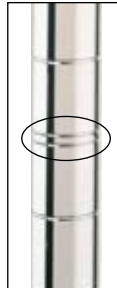
Shelf Dividers

### A. For Stationary Shelving Applications

Combine required shelf sizes above with stainless posts (4), below. Stainless posts are fitted with adjustable leveling bolts to compensate for uneven surfaces.

Cat. No. Chrome	Cat. No. Stainless	Height* (in.)	Height* (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
7P	—	7 1/2	195	1/2	0.3
13P	13PS	14 1/2	370	1	0.5
27P	27PS	27 1/2	700	1 3/4	0.75
33P	33PS	34 1/2	875	2	0.9
54P	54PS	54 9/16	1385	3	1.4
63P	63PS	62 9/16	1590	3 1/2	1.6
74P	74PS	74 5/8	1895	4	1.8
86P	86PS	86 5/8	2200	5	2.3
96P	—	96 5/8	2454	5 1/2	2.5

\*Height includes leveling bolt and cap.



**SiteSelect™ Posts are grooved at 1" (25mm) increments and numbered at 2" (50mm) increments. Posts are double-grooved every 8" (203mm) for easy identification.**

### B. For Mobile Applications

Combine required shelf sizes above with stainless mobile posts (4), below. Mobile posts accept a wide range of Metro stem casters. Refer to page 4, Caster Selection Guide, for caster selection options or contact your local Metro Rep for more information

Cat. No. Stainless	Height (in.)	Height (mm)	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
27UPS	27 1/2	699	1 3/4	0.75
33UPS	33 7/8	861	2	0.9
54UPS	54	1370	3	1.4
63UPS	62	1575	3 1/2	1.6
74UPS	74	1880	4	1.8
86UPS	86	2185	4.5	2.0

These posts come without leveling bolt assembly to accommodate stem casters.

### C. For Cart Wash (Mobile) Applications

Combine required shelf sizes with stainless swedged posts (4), below. Stainless steel cart washable casters are required for cart wash applications. Refer to chart below for recommended caster series.

#### Swedged Posts

Cat. No.	Description	Dimensions (in.) (mm)	
33UPS-SW	Stem Caster Post	33	875
54UPS-SW	Stem Caster Post	54	1370
63UPS-SW	Stem Caster Post	63	1600

#### Stainless Steel Cart-Washable Stem Casters

Stem casters are shipped with donut bumpers.

Cat. No.	Wheel Diameter (in.) (mm)	Face (in.) (mm)	Load Rating (lbs.) (kg)	Type	Wheel Tread	Approx. Pkd. Wt. (lbs.) (kg)
5MDGSA	5 127	1 1/4 32	150 68	Swivel	High Modulus	2 1/2 1.1
5MDBGSA	5 127	1 1/4 32	150 68	Brake	High Modulus Donut	2 5/8 1.17
5MDRGSA	5 127	1 1/4 32	150 68	Rigid	High Modulus Donut	2 3/8 1.08
5MPGSA	5 127	1 1/4 32	300 135	Swivel	Polyurethane	2 1/8 .94
5MPBGSA	5 127	1 1/4 32	300 135	Brake	Polyurethane	2 1/4 1
5MPRGSA	5 127	1 1/4 32	300 135	Rigid	Polyurethane	2 .9

**Note 1:** Load Height for all 5MD and 5MP casters — 6 3/32" ± 1/16" (155 ± 1.5mm).

**Note 2:** All casters are grease sealed with zerk fittings in swivel and axle.

**Note 3:** Brakes are foot-operated.



5MDGSA

### D. For Autoclave (Mobile) Applications

Combine required shelf sizes (page 6) with stainless swedged posts (4), above. Aluminum split sleeves (Cat. No. 9986S) must be used for autoclave applications. High temperature stem casters must be selected from chart below.

#### Aluminum Split Sleeves

Improved design is easier to install. For high temperature, over the road, or conductive applications. Stainless steel retainer rings included. One bag required per shelf; 4 pairs per bag.



9986S

Cat. No.	Description
9986S	Aluminum Split Sleeves with Stainless Rings

#### High-temperature Autoclave Stem Casters

Cat. No.	Type	Wheel Tread	Load Rating
5MHTP	Swivel	Hi-temp Phenolic	300
5MHTPB	Brake	Hi-temp Phenolic	300
5MHTN	Swivel	Hi-temp Nylon	300
5MHTNB	Brake	Hi-temp Nylon	300

**Note:** Casters are temperature rated for up to 300°F (149°C).



5MHTP & 5MHTPB

5MHTN & 5MHTNB



## D. For Autoclave (Mobile) Applications (cont'd.)

### Autoclavable Cage Racks

- Preconfigured, autoclavable cage racks available in two footprints — 18x60 (457x1524mm) and 24x60 (610x1524mm).
- Units are 69" (1753mm) high, including casters. **Casters must be ordered separately.**
- Carts come standard with swedged posts and aluminum split sleeves.

Cat. No.	Width/Length/Height		Approx. Pkd. Wt.		Description
	(in.)	(mm)	(lbs.)	(kg)	
LC5S1860	18x60x69	457x1524x1753	136	61.7	5-shelf, 18" (457mm) wide cage rack
LC5S2460	24x60x69	610x1524x1753	166	75.3	5-shelf, 24" (610mm) wide cage rack

**Note:** To build a cage rack according to specific requirements, follow instructions (D) on page 7. Refer to Autoclave guidelines, below, for important checklist to follow



**LC5S2460**  
*(casters ordered separately)*

### Autoclave Cart Covers

Cat. No.	Width/Length/Height		Approx. Pkd. Wt.		Description
	(in.)	(mm)	(lbs.)	(kg)	
LC1860AC	20x62x61.5	508x1575x1562	6.0	2.7	Autoclavable cart cover for 18" (457mm) wide Cage Rack
LC2460AC	26x62x61.5	660x1575x1562	7.0	3.2	Autoclavable cart cover for 24" (610mm) wide Cage Rack

**Note:** Autoclave cart covers are rated for approximately 70 cycles per cover.



**LC5S2460 with autoclave cart cover**  
*(casters ordered separately)*

### Autoclavable Lab Carts

- Preconfigured, autoclavable Lab carts are available in two footprints — 18x24 (457x610mm) and 24x36 (610x914mm).
- Chose between 2- and 3-shelf models
- Units are 39" (991mm) high, including casters. **Caster must be ordered separately.**
- Carts come standard with swedged posts and aluminum split sleeves.

Cat. No.	Width/Length/Height		Approx. Pkd. Wt.		Description
	(in.)	(mm)	(lbs.)	(kg)	
LC2S1824	18x24x39	457x610x991	25.0	11.3	2-shelf, 18" (457mm) wide Lab cart
LC3S1824	18x24x39	457x610x991	37.5	17.0	3-shelf, 18" (457mm) wide Lab cart
LC2S2436	24x36x39	610x914x991	46.5	21.1	2-shelf, 24" (610mm) wide Lab cart
LC3S2436	24x36x39	610x914x991	65.5	29.7	3-shelf, 24" (610mm) wide Lab cart

**Note:** To build a lab cart according to specific requirements, follow instructions (D) on page 7. Refer to Autoclave guidelines, below, for important checklist to follow.



**LC2S1824**  
*(casters ordered separately)*

### Autoclave Cart Covers

Cat. No.	Width/Length/Height		Approx. Pkd. Wt.		Description
	(in.)	(mm)	(lbs.)	(kg)	
LC1824AC	20x26x33.5	508x660x851	3.0	1.4	Autoclavable cart cover for 18" (457mm) wide Cage Rack
LC2436AC	26x38x33.5	660x965x851	3.5	1.6	Autoclavable cart cover for 24" (610mm) wide Cage Rack

**Note:** Autoclave cart covers are rated for approximately 70 cycles per cover.

### AUTOCLAVE APPLICATION GUIDELINES

When stainless solid shelving, as part of a mobile shelving unit, is used in an autoclave, the following Metro product guidelines are recommended to ensure optimal product performance and longevity:  
 Stainless, swedged posts with aluminum post caps must be utilized [part numbers 33/54/63UPS-SW]  
 Aluminum split sleeves [part number 9986S] with stainless rings should be used to mount solid stainless shelves.  
 Select either hi-temp phenolic casters or hi-temp nylon casters for application. These casters are designed specifically for autoclave environments.  
 Bumpers should not be used as they are not designed to withstand autoclave temperature ranges