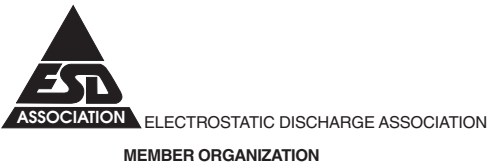




MetroMax Q ESD STORAGE & TRANSPORT SYSTEM

MetroMax Q ESD storage and transport shelving gives you the power to create a flexible, productivity-based electronics material handling system that offers the safety of ESD construction along with the protection of cushioned polymer shelf surfaces.

The unique corner design of MetroMax Q ESD allows you to assemble and reposition shelves easily, without the need for tools. Optional "Drop-in" accessories also provide the ability to configure units to a number of exacting requirements.



Features:

- Removable conductive polymer mats
- *Plated steel posts and frames*
- Unique corner design
- *Optional Surface Mount Technology "Drop-in" accessories*

Benefits:

- Quick static discharge
- Quality protection of shelf contents from abrasion
- Resistant to corrosion
- *Quick static discharge*
- *Resistant to corrosion*
- *Strength and durability*
- Quick and easy assembly
- Easy repositioning of shelves
- *Adapts to current needs*
- *Changes when your needs change*
- *Task specific support for SMT operations*



SPECIFICATIONS

Shelf frames: Super Erecta Brite® plated steel.

Shelf mats: Injection molded conductive polypropylene.

Posts: Chrome-plated steel.

- **Shelves** — Complete with frames, mats and wedge connectors.

Cat. No.	Width/Length		Approx. Pkd. Wt.	
	(in.)	(mm)	(lbs.)	(kg)
Q1824C	18 x 24	455 x 610	10	4.5
Q1830C	18 x 30	455 x 760	11	5.0
Q1836C	18 x 36	455 x 910	12	5.4
Q1848C	18 x 48	455 x 1220	16	7.3
Q1860C	18 x 60	455 x 1525	20	9.1
Q1872C	18 x 72	455 x 1825	23	10.4
Q2424C	24 x 24	610 x 610	11	5.0
Q2430C	24 x 30	610 x 760	14	6.2
Q2436C	24 x 36	610 x 910	15	6.8
Q2442C	24 x 42	610 x 1060	17	7.7
Q2448C	24 x 48	610 x 1220	19	8.6
Q2460C	24 x 60	610 x 1525	23	10.4
Q2472C	24 x 72	610 x 1825	29	13.2

NOTE: 42" length shelf only available in 24" width.

- **MetroMax Q ESD Shelf Inlays** — Static dissipative, blue, vinyl shelf inlays cover standard grid shelf to create a solid shelf.

Cat. No.	Description	Fits Shelf Size		Approx. Pkd. Wt.	
		(in.)	(mm)	(lbs.)	(kg)
1836QESDI	Shelf Inlay	18 x 36	455 x 910	1.5	0.7
1848QESDI	Shelf Inlay	18 x 48	455 x 1220	1.5	0.7
1860QESDI	Shelf Inlay	18 x 60	455 x 1525	1.7	0.8
2436QESDI	Shelf Inlay	24 x 36	610 x 910	1.7	0.8
2442QESDI	Shelf Inlay	24 x 42	610 x 1060	1.7	0.8
2448QESDI	Shelf Inlay	24 x 48	610 x 1220	1.7	0.8
2460QESDI	Shelf Inlay	24 x 60	610 x 1525	1.9	0.85

• Casters

Introducing Metro's new conductive, non-marking caster (Q5MESD series), ideal for use on conductive and static dissipative floors. Also new is the Q5MFA series, a superior vibration suppression caster designed to provide a "smooth" ride for all electronic components and production support equipment.

Cat. No.	Type	Wheel Diameter		Face		Load Rating		Type	Approx. Pkd. Wt.	
		(in.)	(mm)	(in.)	(mm)	(lbs.)	(kg)		(lbs.)	(kg)
Q5MC	Conductive	5	127	1 1/4	32	175	79	Stem/Swivel	2 1/2	1.1
Q5MBC	Conductive	5	127	1 1/4	32	175	79	Stem/Brake	2 3/4	1.2
Q5MESD	Non-Marking Conductive	5	127	1 1/4	32	200	91	Stem/Swivel	2 1/2	1.1
Q5MBESD	Non-Marking Conductive	5	127	1 1/4	32	200	91	Stem/Brake	2 3/4	1.2
Q5MFA	Vibration Suppression	5	127	1 1/4	32	200	91	Stem/Swivel	2 1/2	1.1
Q5MFBA	Vibration Suppression	5	127	1 1/4	32	200	91	Stem/Brake	2 3/4	1.2
5MDXA	High Modulus Donut	5	127	1 1/4	32	200	91	Stem/Swivel	2 1/2	1.1
5MDBXA	High Modulus Donut	5	127	1 1/4	32	200	91	Stem/Brake	2 1/2	1.1

NOTE: Q5MC series are carbon-loaded casters (foot-operated brake model).

NOTE: Q5MESD series are non-marking casters (toe-operated brake model).

NOTE: Q5MFA series feature a toe-operated brake model.

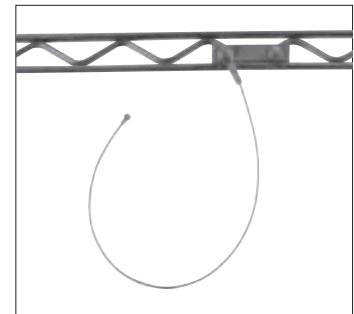
Temperature Range: -20F to 120F (-29C to 49C) continuous use.

ESD Classification: Conductive with the use of a grounding cable (Cat. No. ASK16S or ASKCR) or conductive casters (shown below).

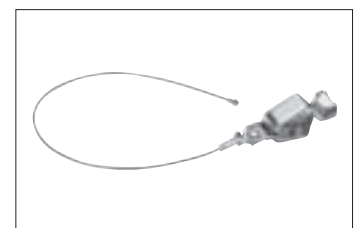
- **Stationary Posts** — Includes ESD leveling foot.

- **Mobile Posts** — Includes ESD receptacle for stem casters.

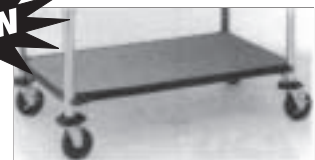
Stationary Cat. No.	Mobile Cat. No.	Height		Approx. Pkd. Wt.	
		(in.)	(mm)	(lbs.)	(kg)
Q13P	Q13UP	13	370	0.5	0.2
Q33P	Q33UP	33	875	1.0	0.45
Q54P	Q54UP	54	1370	1.5	0.7
Q63P	Q63UP	63	1585	2.0	0.9
Q74P	Q74UP	74	1880	2.25	1.0
Q86P	Q86UP	86	2195	2.5	1.2



ASKCR



ASK16S



Q5MBESD Non-Marking Conductive Brake Caster



Q5MFA Vibration Suppression Caster





SMT STENCIL STORAGE



Components "drop-into" 24" x 42" footprint to form a partial or dedicated stencil storage unit. Choose between a complete unit (Cat. No. QN546CSTL) or to build your own unit, choose number of storage levels (below) and select posts (stationary or mobile) from page 2.

- Wire spacing is 1³/₄", center to center.
- Each storage level has a weight capacity of 200 lbs. (91 kg).
- Each storage level has a unit capacity of 19 stencil frames.

ESD Classification: Conductive with the use of a grounding cable (Cat. No. ASK16S or ASKCR) or conductive casters (shown on page 2).

Cat. No.	Width (in.)	Length (mm)	Item	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
QN546CSTL	24 x 42	610 x 1060	63" high, 2-level, Stationary Stencil storage unit (shown at right) – ❶	80	36.4
QN54CSTL	24 x 42	610 x 1060	One complete storage level (top & bottom shelf) – ❷	30	13.7
QAN54CSTL	24 x 42	610 x 1060	Add-on storage level (to form 2nd level) – ❸	23.5	10.7

• Accessories

Cat. No.	Width (in.)	Length (mm)	Item	Approx. Pkd. Wt. (lbs.)	Approx. Pkd. Wt. (kg)
QH142Z	42"L	1060	Stencil Backstop – ❹	3	25
QEH42Z	5 x 42	127 x 1060	Extended Backstop – ❺	4	25

NOTE: QH142Z is for 24" and smaller frames.
QEH42Z is for 29" stencil frames.



QN546CSTL (shown with optional accessories)



QH142Z



QEH42Z

SMT FEEDER ARM STORAGE



Store and transport your expensive Feeder Arms with the secure MetroMax Q ESD 24" x 42" Feeder Arm storage system. Storage levels are available for Siemens SiPlace, Fuji CP6, and Panasonic MV2F models. Combine Feeder Arm levels with SMT Reel levels (shown below) to build a job-specific cart, or choose from available Feeder Arm components (shown below) to build a cart according to your requirements.

- Fuji and Panasonic storage levels have a maximum weight capacity of 250 lbs. (111kg).
- Each Siemens storage level has a weight capacity of 200 lbs. (91kg).
- Panasonic and Fuji carts designed to hold two levels of feeders.
- Siemens cart designed to hold 3 levels of feeders.
- Each Feeder Arm cart comes complete with vibration suppression casters.

ESD Classification: Conductive with use of a grounding cable (Cat. No. ASK16S or ASKCR) or conductive casters (shown on page 2).

Cat. No.	Width (in.)	Length (mm)	Item	Maximum Feeder Capacity
QN545SMS	24 x 42	610 x 1060	3-level, complete cart	84
Q42SMSFR	24 x 42	610 x 1060	Siemens storage level	28
QN545PAN	24 x 42	610 x 1060	2-level, complete cart	70
Q42PANFR	24 x 42	610 x 1060	Panasonic storage level	35
QN54FUJ	24 x 42	610 x 1060	2-level, complete cart	70
Q42FUJFR	24 x 42	610 x 1060	Fuji storage level	35

NOTE: Fuji and Panasonic complete cart configurations (listed above) include Q63UP (4), Q2442C (2), Q5MFA (2), Q5MFBA (2), ASKCR (1), and appropriate feeder levels (2). Siemens cart configuration includes Q54UP (4), Q2442C (2), Q5MFA (2), Q5MFBA (2), QH142Z (3), ASKCR (1) and appropriate feeder storage levels (3).

• Accessories

Cat. No.	Width (in.)	Length (mm)	Item
QEH42Z	5 x 42	127 x 1060	Extended backstop – used with Fuji and Panasonic to protect feeders.
QCRSDIV5	.25 x 10 ¹ / ₈	6.4 x 257	Set of 5 stainless steel dividers used to form additional storage compartments for Siemens feeders.

Contact your Metro representative for more information on custom feeder arm storage options.



Q42PANFR -Panasonic Storage Level



Q42FUJFR - Fuji Storage Level





SMT REEL STORAGE

Store and identify your valuable SMT Reel inventory with this flexible and versatile system. Each storage level offers capacity for either 2 pans of 7" and 13" size reels or 1 pan of 15" size reels. To build your own unit, choose number of storage levels (below) and select posts (stationary or mobile) from page 2.

- 5 stainless steel dividers included per pan.
- Dividers can be moved in $\frac{3}{4}$ " increments.
- Each pan has 35 $\frac{1}{2}$ " of useable reel storage space (capacity will vary depending upon width of reel).
- Each storage level has a weight capacity of 200 lbs. (91 kg). For mobile units total weight must not exceed three times load rating factor of casters selected.

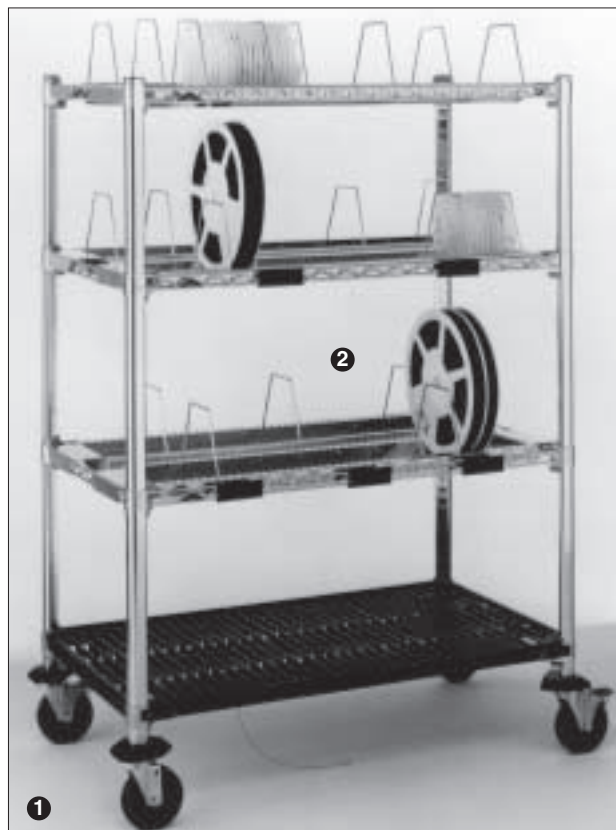
ESD Classification: Conductive with the use of a grounding cable (Cat. No. ASK16S or ASKCR) or conductive casters (shown on page 2).

Cat. No.	Width/Length (in.) (mm)		Item	Approx. Pkd. Wt. (lbs.) (kg)	
QN545CRS	24 x 42	610 x 1060	54" high, 3-level reel cart – ❶	119	54.1
QN545CRS-15	24 x 42	610 x 1060	54" high, 3-level reel cart	83	37.8
QN54CRS	24 x 42	610 x 1060	Complete 2-pan, 7" & 13" reel storage level – ❷	32	14.6
QN54CRS-15	24 x 42	610 x 1060	Complete 1-pan, 15" reel storage level	20	9.1

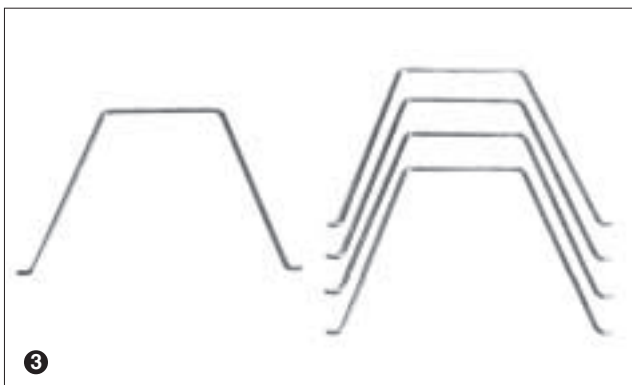
NOTE: QN545CRS and QN545CRS-15 include 5MXDA series casters (2 brake, 2 swivel), a Q2442C shelf, an ASKCR grounding cable, and appropriate number of stainless steel dividers.

• Accessories

Cat. No.	Width/Length (in.) (mm)		Item	Approx. Pkd. Wt. (lbs.) (kg)	
QCRSDIV5	.25 x 10 $\frac{1}{8}$	6.4 x 257	Set of 5 stainless steel dividers – ❸	4.25	1.9
QCRSLBL5	4 x 6	102 x 152	Set of 5 divider label holders – ❹	4.25	1.9



QN545CRS (shown with optional accessories)



QCRSDIV5



QCRSLBL5 (shown with divider)



ADJUSTABLE SLANTED SHELF



Ergonomic shelf design that can be pitched from 0-45 degrees, depending on the application. Ideal for kitting operations, handling WIP, and many other applications. Fits two Olympic TB93000 Series Totes.

ESD Classification: Conductive with the use of a grounding cable (Cat. No. ASK16S or ASKCR) or conductive casters (shown on page 2).

Cat. No.	Width/Length		Item	Approx. Pkd. Wt.	
	(in.)	(mm)		(lbs.)	(kg)
Q2442AS	24 x 42	610 x 1060	Adjustable slanted shelf	16.0	1.3

Note: Each shelf level has a weight capacity of 200 lbs. (91kg), evenly distributed.

• Accessories

Cat. No.	Height		Item	Approx. Pkd. Wt.	
	(in.)	(mm)		(lbs.)	(kg)
QL42N-4AS	3 1/2	88.9	Front ledge attachment 4" (102mm) high	2.75	1.25
DD18C	8	203	18" (455mm) Divider	.25	.11



Q2442AS (shown above as part of a complete cart)

QESD UTILITY CARTS



Features removable soft conductive mats that are ideal for transporting electronics WIP. Carts come in a compact footprint with undershelf Olympic tote storage available as an option. Choose from available sizes (below) or build your own cart by selecting shelves, posts and casters (page 2) and a handle (below).

ESD Classification: Conductive with the use of a grounding cable (Cat. No. ASK16S or ASKCR) or conductive casters (shown on page 2).

Cat. No.	Width/Length		Item	Approx. Pkd. Wt.	
	(in.)	(mm)		(lbs.)	(kg)
Q1830CUC	18 x 30	455 x 760	Utility Cart	54.0	24.6
Q1836CUC	18 x 36	455 x 910	Utility Cart	57.0	25.9
Q2430CUC	24 x 30	610 x 760	Utility Cart	54.0	24.6
Q2436CUC	24 x 36	610 x 910	Utility Cart	57.0	25.9

*Each utility cart includes 2 shelves, 4 posts (33"), one grounding cable, one handle, two swivel casters (5MDXAs) and two brake casters (5MDBXAs).

• Handles — available in 18" or 24" widths

Cat. No.	Length		Item	Approx. Pkd. Wt.	
	(in.)	(mm)		(lbs.)	(kg)
QEH18NC	18	455	Chrome	1.45	.6
QEH24NC	24	610	Chrome	1.7	.8



QESD Utility Cart shown with optional accessories (see page 6)



QEH24NC





ACCESSORIES

• **Super Slide**

Cat. No. QSS2NC

Chrome-plated undershelf slide fits all 24" (610mm) wide QESD shelves.
(10¹/₄"H x 20³/₈"W x 21⁵/₈"L) (260 x 518x549mm)
Accepts Olympic TB93000 Series totes.

• **Grounding Cable and Universal Bracket**

Cat. No. GCB16SA

Universal bracket fits wire and solid shelves, as well as open-wire frames.

• **QESD Conductive Releases and Wedges**

Cat. No. QESD-KIT

ESD-safe components that can be retrofitted.
Bag of 4 ESD releases and wedges.

• **Paperwork Basket**

Cat. No. QPH1239C

Basket measures 2⁵/₈"W x 12³/₄"L x 8³/₄"
(67 x 324 x 222mm) and is ideal for storing
files and paperwork. Chrome-plated.

• **ESD Label Holders**

Cat. No. Q04LHESD (4" [102mm] long)

Cat. No. Q42LHESD (37" [940mm] long)

* **NOTE:** Above label holders should be
used with matted QESD shelves (page 2).

Cat. No. 9990PESD (3" [76mm] long)

Cat. No. 9990P6ESD (37" [940mm] long)

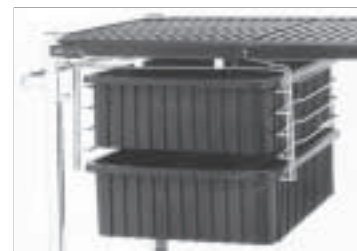
* **NOTE:** Above label holders should be used with open-wire shelves.

• **Ledges** — 4¹/₂" (114 mm) high shelf ledges clip onto shelf frames.
Chrome plated.

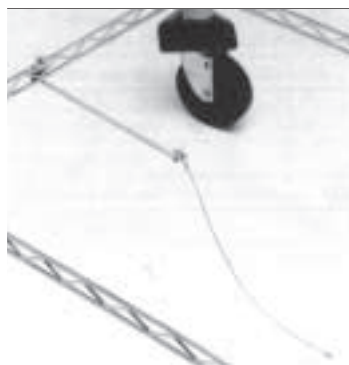
Cat. No.	Length		Approx. Pkd. Wt.	
	(in.)	(mm)	(lbs.)	(kg)
Q18LC	18	455	1.1	0.5
Q24LC	24	610	1.6	0.7
Q30LC	30	760	1.8	0.8
Q36LC	36	910	2.2	1.0
Q48LC	48	1220	2.7	1.2
Q60LC	60	1525	3.6	1.6
Q72LC	72	1825	4.3	2.0

• **Dividers** — 8" (203 mm) high dividers clip onto shelves.
Chrome plated.

Cat. No.	Length		Approx. Pkd. Wt.	
	(in.)	(mm)	(lbs.)	(kg)
Q18DC	18	455	1.7	0.8
Q24DC	24	610	2.2	1.0



QSS2NC



GCB16SA



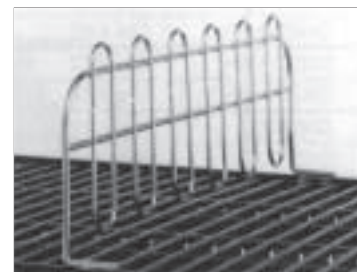
QPH1239C



9990PESD



Ledge



Divider

Siemens Nederland N.V.

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