## Nike Smoke - Level 3 Certification Project Rocket Name: Nike Smoke - Mfg. Polecat Aerospace Built by Jeffrey M. Barnosky

Built by Jeffrey M. Barnosky							_		
Part Discription	Notes	Weigh Std	Weigh Metric	Quantity	Total Wt Lb	Cost EA.		Part Total	Vendor
Nike Smoke 10" Rocket Kit - 4"- 98mm Moter Mount Rocksim Software Version 8.0	11' 8" Tall - Bare parts kit			1		\$420.00 \$99.95	Included n/a	\$420.00 \$99.95	CommonWealth Displays
Evacuation Pump 1 Qt. Epoxy Glue Slow Set						\$14.99	\$0.90	\$15.89	CommonWealth Displays
Super Glue CA Fiberglass Cloth									CommonWealth Displays
W.S. 32oz Fiberglass Resin #105 A W.S. 7oz Fiberglass Hardner Slow Set #206 A						\$28.01 \$13.05	\$1.68 \$0.78		CommonWealth Displays CommonWealth Displays
W.S. 7oz Fiberglass Hardner Extra Slow Set						\$22.48	\$2.69	\$25.17	CommonWealth Displays
W.S. Pump Palm Sander 1/4 Sheet				1		\$10.04 \$22.00	\$0.60 \$1.32	\$10.64 \$23.00	CommonWealth Displays Lowe's
Misc Sand Paper 1/2 Yard Nomex Fabric				1		\$15.00	Included	\$15.00	CommonWealth Displays
Caulk tube of Clear Polyseamseal Adhisive Caulk 1/4 sheet Finishing sander				1		\$5.49 \$21.96	\$0.33 add		Hood's Do-it Center Lowe's
Baltic Birch 6mm Plywood Sheet Baltic Birch 12mm Plywood Sheet	Payload bay carrier plates Payload bay carrier mount stand offs			2		\$5.98 \$3.49			Michaels Michaels
35mm film and developing misc items	5 rolls as of 3-24-2007 posterboard			1		\$0.99	\$0.06	\$1.05	CVS
Part Discription	Notes	Weigh Std	Weigh Metric	Quantity	Total Wt Lb	Cost EA.	Tax	Part Total	Vendor
Booster Section	Compressed Dissessed 2/0" 7 plu		045 ***		0.520	lastudad			CommonWoolth Displace
Aft. Center Ring 4" ID x 10" OD Mid. Center Ring 38mm ID x 2.25" OD	Compressed Plywood 3/8" 7 ply Compressed Plywood 3/8" 7 ply		245 gr. 245 gr.		0.539 0.539	Included			CommonWealth Displays CommonWealth Displays
Forward Centering Ring 38mm x 2 1/8 OD Stainless 5/16" U-Bolts	Compressed Plywood 3/8" 7 ply U-Bolt ONLY		245 gr. 38.4gr.	2	0.539 0.169	Included \$2.95			CommonWealth Displays Fastenal
Stainless 5/16" Nuts Stainless 5/16" Ny-lock Nuts			4.85gr. 4.85gr.	4		\$0.30 \$0.45			Hood's Do-it Center
Stainless Flat Washers 1 1/2" OD x 5/16" ID Stainless 5/16" Chain Quick Links	2400 Lb. Working load		13gr. Average 77gr	8	0.229 0.169	\$0.90 \$5.30		\$11.24	Hood's Do-it Center CommonWealth Displays
Main Booster Body Tube 10" x 46 13/16"" Fin	Pre Slotted - Pre Fiberglassed 4 Fin Compressed Plywood 3/8" 7 ply	6.0lbs.	650 gr.	1	6 5.726	Included		*****	
1/2"Yellow Kevlar Nylon Shock Cord Section	Pre Sewn Looped ends		200 gr.	1	0.44	\$19.99			CommonWealth Displays
Shock Cord - Rubber Bungie 4" Engine Mount Tube - Heavy Wall Upgrade Part	Uncut-34" 480gr./Cut = ??		??	1	?? ??	\$12.00	\$0.72	\$12.72	CommonWealth Displays
Aft Retainer and Support Ring 10" x 3 15/16" Launch Lug - 3/4"x 8" Copper Pipe	Cardboard reinforcement for base		143 gr. 88 gr.	1		Included Had Stock			Hood's Do-it Center
Launch Lug Riser - Solid Oak 7/8"x3/4"x12" Nomex Anti-Zipper Pad 6"x15" Custom Formed To Fit	Both Ends Tapered		?? 93 gr. ?? 15 gr.	1	0.033	Had Stock			CommonWealth Displays
Motor Retainer 98mm Flange Mount Quick Change 8/32 Allen Head Retainer bolt Assm.	Aero Pack Inc. 1" bolt, flat washer and Ny-lock Nut		236 gr. 5 gr.	1 12	0.519 0.132	\$63.00	\$3.78	\$66.78	CommonWealth Displays
Post Planskyller	Notes	W-l-b Ord	Martin Maranta	0	T-4-1346.15	Cost EA.	Ŧ	Part Total	Vendor
Part Discription	Notes	weigh Sta	Weigh Metric	Quantity	Total Wt Lb	COST EA.	Tax	Part Total	vendor
Upper Payload Section Main Body Tube 10" x 33 7/8"	Pre-Fiberglassed Cardboard	4.75% -							
		4.75lbs.		1		Included			
Launch Lug 3/4"x 8" Copper Pipe	3/4" copper pipe	4.75IDS.		1 1 3		Included In Stock			Hood's Do-it Center Michael's
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts	3/4" copper pipe Solid Oak U-Bolt ONLY	4.75IDS.	38.4gr. 4.85gr	1 3 4		In Stock \$2.95	add		
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Nuts Stainless 5/16" Ny-lock Nuts	3/4" copper pipe Solid Oak	4./5IDS.	4.85gr. 4.85gr.	1 3 4 8 8		\$2.95 \$0.30 \$0.45	add add add		Michael's
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip	3/4" copper pipe Solid Oak	4./SIDS.	4.85gr.	1 3 4 8 8 8		\$2.95 \$0.30 \$0.45 \$0.90 Included	add add add add		Michael's
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Withort Machined Lip Lower Bulkhead WiTH Machined Lip Electronics Bay 10" x 8 7/8"	3/4" copper pipe Solid Oak U-Bolt ONLY	4.75IDS.	4.85gr. 4.85gr.	1 3 4 8 8 8 8 1 1		\$2.95 \$0.30 \$0.45 \$0.90 Included Included Included	add add add add		Michael's Fastenal
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Nylock Nuts Stainless Flof" Nylock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Lower Bulkhead WiTH Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" x 12" Threaded Rod Stainless 5/16" Nuts	3/4" copper pipe Solid Oak	4.75IDS.	4.85gr. 4.85gr. 13gr. Average 4.85gr.	1 3 4 8 8 8 1 1 1 2		\$2.95 \$0.30 \$0.45 \$0.90 Included Included Included \$7.99	add add add add add	\$15.94	Michael's Fastenal Hood's Do-it Center
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Nylock Nuts Stainless 5/16" Nylock Nuts Stainless Filat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Lower Bulkhead WiTH Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" Nuts	3/4" copper pipe Solid Oak U-Bolt ONLY 2 - 3" pieces cut to length - 5pc 12"	4./SIDS.	4.85gr. 4.85gr. 13gr. Average 4.85gr. 4.85gr.	1 3 4 8 8 8 1 1 1 2 4 4		\$2.95 \$0.30 \$0.45 \$0.90 Included Included \$7.99 \$0.45 \$0.90	add add add add \$0.96		Michael's Fastenal Hood's Do-it Center Hood's Do-it Center
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless Fiat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Lower Bulkhead WiTH Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" x 12" Threaded Rod Stainless 5/16" Ny-lock Nuts	3/4" copper pipe Solid Oak U-Bolt ONLY	4./SIDS.	4.85gr. 4.85gr. 13gr. Average 4.85gr.	1 3 4 8 8 8 1 1 1 2 4 4		\$2.95 \$0.30 \$0.45 \$0.90 Included Included Included \$7.99	add add add add \$0.96 add add	\$3.58	Michael's Fastenal Hood's Do-it Center
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless Fine Ny-lock Nuts Stainless Fine Ny-lock Nuts Stainless Fine Ny-lock Nuts Object Bulkhead Without Machined Lip Lower Bulkhead WiTH Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" Nuts Stainless 5/16" Nuts Stainless 5/16" Nuts Stainless 5/16" Ny-lock Nuts Stainless Fine Ny-lock Nuts Stainless Fine Ny-lock Nuts Stainless Fine Ny-lock Nuts Stainless 5/16" Wing Nuts Stainless 5/16" Wing Nuts Stainless 5/16" Wing Nuts Stainless 5/16" Object Nuts Stainless 5/16" Nuts	3/4" copper pipe Solid Oak U-Bolt ONLY 2 - 3' pieces cut to length - 5pc 12" 2pk /\$1.35	4./SIDS.	4.85gr. 4.85gr. 13gr. Average 4.85gr. 4.85gr.	1 3 4 8 8 8 1 1 1 2 4 4 8 5		\$2.95 \$0.30 \$0.45 \$0.90 Included Included \$7.99 \$0.45 \$0.90 \$3.38	add add add add \$0.96 add add	\$3.58 \$11.24	Michael's Fastenal  Hood's Do-it Center  Hood's Do-it Center  Lowes  CommonWealth Displays Michael's
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless Fi6" Ny-lock Nuts Stainless Fi6" Ny-lock Nuts Stainless Fiat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Wiltnut Machined Lip Lower Bulkhead Wiltnut Machined Lip Lower Bulkhead Wiltnut Machined Lip Stainless 5/16" x 12" Threaded Rod Stainless 5/16" Ny-lock Nuts	3/4" copper pipe Solid Oak U-Bolt ONLY 2 - 3' pieces cut to length - 5pc 12" 2pk /\$1.35	4./SIDS.	4.85gr. 4.85gr. 13gr. Average 4.85gr. 4.85gr.	1 3 4 8 8 8 8 1 1 1 1 2 4 4 4 8 5 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		\$2.95 \$0.30 \$0.45 \$0.90 Included Included \$7.99 \$0.45 \$0.90 \$3.38	add add add add \$0.96 add add \$0.20 add	\$3.58 \$11.24	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Wiltrut Machined Lip Lower Bulkhead WilTH Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" x 12" Threaded Rod Stainless 5/16" x 12" Threaded Rod Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Wing Nuts Stainless 5/16" Chain Quick Links Electronics Mounting Plate Electronics Mounting Plate Electronics Mounting Plate Electronics Mounting Plate	3/4" copper pipe Solid Oak U-Bolt ONLY 2 - 3' pieces cut to length - 5pc 12" 2pk /§1.35 2400 Lb. Working load		4.85gr. 4.85gr. 13gr. Average 4.85gr. 4.85gr.	1 3 4 8 8 8 8 1 1 1 1 2 2 4 4 4 8 5 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Included Included \$7.99 \$0.45 \$0.90 \$3.38 \$5.30	add	\$3.58 \$11.24	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael's
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Lower Bulkhead WiTH Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" x 12" Threaded Rod Stainless 5/16" X 12" Threaded Rod Stainless 5/16" Ny-lock Nuts	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3' pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends  Notes	Weigh Std	4.85gr. 4.85gr. 13gr. Average 4.85gr. 4.85gr. 8.5gr	1 3 4 4 8 8 8 1 1 1 2 4 4 8 5 2 2 2 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2		In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Included Included \$7.99 \$0.45 \$0.90 \$3.38 \$5.30 \$19.99 \$0.90 \$0.90 \$19.99	add	\$3.58 \$11.24 \$39.98	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael's CommonWealth Displays
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Lower Bulkhead WiTH Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" x 12" Threaded Rod Stainless 5/16" Ny-lock Nuts	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3' pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends  Notes  Pre-Fiberglassed Compressed Plywood 3/6" 7 ply		4.85gr. 4.85gr. 13gr. Average 4.85gr. 4.85gr. 4.85gr. Weigh Metric	1 3 4 8 8 8 8 1 1 1 1 2 2 4 4 4 8 5 5 2 2 2 4 2 2	Total Wt Lb	In Stock \$2.95 \$0.30 \$0.45 \$0.50 \$0.45 \$0.90 Included Included Included \$7.99 \$0.45 \$0.90 \$3.38 \$5.30 \$19.99 \$Cost EA.	add add add add add add should be solid add add add add add add add add add a	\$3.58 \$11.24 \$39.98	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael's CommonWealth Displays Vendor
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless Fiat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Withort Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" Ny-lock Nuts Stainless 5/16" Mig Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Nose Cone Section Nose Cone Section Nose Cone Pointed Bulk Head - Mounting plate Stainless 5/16" Nuts	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3' pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends Notes  Pre-Fiberglassed	Weigh Std 7.4lbs	4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. Weigh Metric 38.4gr. 4.85gr.	1 3 4 8 8 8 1 1 1 1 2 2 4 4 4 4 8 5 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Total Wt Lb	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Included Included Included Included Included Included \$7.99 \$0.45 \$0.90 \$3.38 \$5.30 \$19.99 Cost EA.	add add add add add add add add sol \$0.96 add add \$0.20 add	\$3.58 \$11.24 \$39.98	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael's CommonWealth Displays
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless Fiat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Nuts Stainless 5/16" Nuts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Nuts Out Nuts Stainless 5/16" Ny-lock Outs Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Nuts	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3" pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends  Notes  Pre-Fiberglassed Compressed Plywood 3/8" 7 ply U-Bolt ONLY	Weigh Std 7.4lbs	4.85gr. 4.85gr. 13gr. Average 4.85gr. 4.85gr. 8.5gr Weigh Metric 38.4gr.	1 3 4 8 8 8 8 1 1 1 1 1 2 2 4 4 4 2 2 2 2 4 2 2 2 4 2 2 4 2 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 4 2 4 4 4 2 4	Total Wi Lb	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Included Included \$7.99 \$0.45 \$0.90 \$3.38 \$5.30 \$19.99 Cost EA. Included \$2.95 \$0.30 \$0.30 \$0.30 \$0.90 \$0.45	add	\$3.58 \$11.24 \$39.98	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's CommonWealth Displays Vendor  Fastenal Hood's Do-it Center
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Nuts Stainless 5/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Lower Bulkhead WiTH Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" X 12" Threaded Rod Stainless 5/16" Nuts Stainless 5/16" Shock Nuts Electronics Mounting Plate Electronics Mounting Plate Electronics Mounting Plate Stainless 5/16" Chain Oulck Links Electronics Mounting Plate Guides 1/2"Yellow Keviar Nylon Shock Cord Section  Part Discription  Nose Cone Section Nose Cone Pointed Bulk Head - Mounting plate Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3' pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends  Notes  Pre-Fiberglassed Compressed Plywood 3/6" 7 ply	Weigh Std 7.4lbs	4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. Weigh Metric 38.4gr. 4.85gr.	1 3 3 4 4 8 8 8 8 8 8 8 1 1 1 1 1 2 2 4 4 2 2 Quantity	Total Wi Lb	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Included S7.99 \$0.45 \$0.90 \$13.38 \$5.30  \$19.99 Cost EA.  Included Included \$2.95 \$0.30 \$0.30	add	\$3.58 \$11.24 \$39.98	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael's Vendor  Fastenal
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless Fat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Lower Bulkhead Without Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" X12" Threaded Rod Stainless 5/16" Nuts Stainless 5/16" Washer 1 1/2" OD x 5/16" ID ???? Stainless 5/16" Chain Oulick Links Electronics Mounting Plate Electronics Mounting Plate Guides 1/2"Yellow Kevlar Nylon Shock Cord Section  Part Discription  Nose Cone Section Nose Cone Pointed Bulk Head - Mounting plate Stainless 5/16" U-Bolts Stainless 5/16" Vuts Stainless 5/16" Vuts Stainless 5/16" Nuts Stainless 5/16" Nylock Nuts Stainless 5/16" Orlain Quick Links	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3" pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends  Notes  Pre-Fiberglassed Compressed Plywood 3/8" 7 ply U-Bolt ONLY	Weigh Std 7.4lbs	4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. Weigh Metric 38.4gr. 4.85gr.	1 3 3 4 4 8 8 8 8 8 1 1 1 1 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Total Wi Lb	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Included Included \$7.99 \$0.45 \$0.90 \$3.38 \$5.30 \$19.99 Cost EA. Included \$2.95 \$0.30 \$0.30 \$0.30 \$0.90 \$0.45	add	\$3.58 \$11.24 \$39.98	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael's Vendor  Fastenal  Hood's Do-it Center CommonWealth Displays
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" Ny-lock Nuts Stainless 5/16" Nuts Stainless 5/16" Ny-lock Nuts Stainless 5/16" U-Bolts Stainless 5/16" Nuts Stainless 5/16" Ny-lock Nuts	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3" pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends Notes  Pre-Fiberglassed Compressed Plywood 3/8" 7 ply U-Bolt ONLY  2400 Lb. Working load	Weigh Std 7.4lbs	4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 8.5gr Weigh Metric 38.4gr. 4.85gr. 13gr. Average	1 1 3 3 4 4 8 8 8 8 8 1 1 1 1 2 2 4 4 4 8 8 5 2 2 2 4 4 2 2 4 4 2 2 4 4 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Total Wi Lb	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included \$7.99  \$0.45 \$0.90 \$3.38 \$5.30  \$19.99  Cost EA.  Included Included \$2.95 \$0.30 \$0.90 \$0.45 \$5.30	add	\$3.58 \$11.24 \$39.98	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes Common/Wealth Displays Michael's Michael's Common/Wealth Displays Vendor  Fastenal  Hood's Do-it Center Common/Wealth Displays Common/Wealth Displays Common/Wealth Displays
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" Ny-lock Nuts Stainless 5/16" Nuts Stainless 5/16" Ny-lock Nuts Stainless 5/16" U-Bolts Stainless 5/16" Nuts Stainless 5/16" Ny-lock Nuts	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3" pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends Notes  Pre-Fiberglassed Compressed Plywood 3/8" 7 ply U-Bolt ONLY  2400 Lb. Working load	Weigh Std 7.4lbs	4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 8.5gr Weigh Metric 38.4gr. 4.85gr. 13gr. Average	1 1 3 3 4 4 8 8 8 8 8 1 1 1 1 2 2 4 4 4 8 8 5 2 2 2 4 4 2 2 4 4 2 2 4 4 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Total Wi Lb	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included \$7.99  \$0.45 \$0.90 \$3.38 \$5.30  \$19.99  Cost EA.  Included Included \$2.95 \$0.30 \$0.90 \$0.45 \$5.30	add	\$3.58 \$11.24 \$39.98	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes Common/Wealth Displays Michael's Michael's Common/Wealth Displays Vendor  Fastenal  Hood's Do-it Center Common/Wealth Displays Common/Wealth Displays Common/Wealth Displays
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Lower Bulkhead WiTH Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" Nuts One Consumer Stainless 5/16" Nuts Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" O-Land Cutch Links Stainless 5/16" Nuts Stainless 5/16" Sain Quick Links Shock Cord - Rubber Bungie 1/2"Yellow Kevlar Nylon Shock Cord Section	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3' pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends Notes  Pre-Fiberglassed Compressed Plywood 3/8" 7 ply U-Bolt ONLY  2400 Lb. Working load  Pre Sewn Looped ends 4 line - 60lb to 129.8 lb tested load	Weigh Std 7.4lbs 3/8lb375lb	4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 8.5gr Weigh Metric 38.4gr. 4.85gr. 13gr. Average	1 1 3 3 4 4 8 8 8 8 8 1 1 1 1 2 2 4 4 4 8 8 5 2 2 2 4 4 2 2 4 4 2 2 4 4 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Total Wi Lb	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Includ	add add add add add add add add add sadd add	\$3.58 \$11.24 \$39.98 Part Total	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael's Michael's Vendor  Fastenal  Hood's Do-it Center CommonWealth Displays CommonWealth Displays CommonWealth Displays CommonWealth Displays CommonWealth Displays CommonWealth Displays
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless 6/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Lower Bulkhead WiTH Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" Ny-lock Nuts Stainless 5/16" Sy-lock Nuts Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" O-Bolts Stainless 5/16" O-B	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3' pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends  Notes  Pre-Fiberglassed Compressed Plywood 3/8" 7 ply U-Bolt ONLY  2400 Lb. Working load  Pre Sewn Looped ends  4 line - 60lb to 129.8 lb tested load 24" 1.0 to 2.2 lb tested load 424" 1.0 to 2.2 lb tested load 11.1 do 2.Per 100"	Weigh Std 7.4lbs 3/8lb375lb	4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 8.5gr Weigh Metric 38.4gr. 4.85gr. 13gr. Average	1 1 3 3 4 4 8 8 8 8 8 1 1 1 1 2 2 4 4 4 4 8 8 5 2 2 2 4 4 2 2 2 4 4 4 1 1 1 1 1 1 1 1 1	Total Wi Lb	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Includ	add add add add add add add add add sol add add add add add add add add add ad	\$3.58 \$11.24 \$39.98 Part Total \$253.34 \$28.62 \$79.50	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael'
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Nuts Stainless 5/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Lower Bulkhead With Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" X 12" Threaded Rod Stainless 5/16" Nuts Stainless 5/16" Orain Ouick Links Electronics Mounting Plate Guides 1/2"Yellow Keviar Nylon Shock Cord Section  Part Discription  Nose Cone Section Nose Cone Pointed Bulk Head - Mounting plate Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" Orain Ouick Links Stainless 5/16" Orain Ouick Links Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" Shock Cord Section  Other Assembly Parts Parachute VXLarge 129 sq. ft Parachute Drogue 6.3 sq. ft 100" Tubular Keviar 1/8" Shock Cord 20" Tubular Keviar 1/8" Shock Cord 20" Tubular Keviar 1/8" Shock Cord 20" Tubular Keviar 1/8" Shock Cord	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3" pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends Notes  Pre-Fiberglassed Compressed Plywood 3/8" 7 ply U-Bolt ONLY  2400 Lb. Working load  Pre Sewn Looped ends  4 line - 60lb to 129.8 lb tested load 24" 1.0 to 2.2 lb tested load 44" 1.0 to 2.2 lb tested load Weighth = 2bt 1.1 4 oz. Per 100" Weighth = 2bt 1.1 4 oz. Per 100" Weighth = 28gr. Per 20" 1.4gr per ft. 516" Stainliess Steel	Weigh Std 7.4lbs 3/8lb375lb	4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 8.5gr Weigh Metric 38.4gr. 4.85gr. 13gr. Average	1 1 3 3 4 8 8 8 8 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1	Total Wt Lb	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Included Included Included Included Included Included Included Included \$7.99  \$0.45 \$0.90 \$3.38 \$5.30  \$19.99  Cost EA.  Included Included Included \$2.95 \$0.30 \$0.45 \$5.30  \$19.99	add add add sold sold add add add sold sold sold add add add add add add add add add a	\$3.58 \$11.24 \$39.98 Part Total \$253.34 \$27.95 \$11.02	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael's Wendor  Fastenal  Hood's Do-it Center CommonWealth Displays Vendor  Fastenal  Hood's Do-it Center CommonWealth Displays
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Lower Bulkhead With Machined Lip Electronics Bay 10" x 8 7/2" Stainless 5/16" X 12" Threaded Rod Stainless 5/16" Nuts Stainless 5/16" Chain Ouick Links Electronics Mounting Plate Guides 1/2"Yellow Keviar Nylon Shock Cord Section  Part Discription  Nose Cone Section Nose Cone Pointed Bulk Head - Mounting plate Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" O-Bolts Stainless 5/16" Nuts Stainless 5/16" O-Bolts Stainless 5/16" Chain Quick Links Shock Cord - Rubber Bungie 1/2"Yellow Kevlar Nylon Shock Cord Section  Other Assembly Parts Parachute XXLarge 129 sq. 1t Parachute Drogue 6.3 sq. 1t 100" Tubular Kevlar 1/8" Shock Cord Delta Quick Links For Parachutes 98/7880 Motor - Dr. Rocket RMS 98mm RMS 98/7880 Misoon	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3' pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends  Notes  Pre-Fiberglassed Compressed Plywood 3/8" 7 ply U-Bolt ONLY  2400 Lb. Working load  Pre Sewn Looped ends  4 line - 60lb to 129.8 lb tested load 24" 1.0 to 2.2 lb tested load Weight= 2tb 11.4 oz. Per 100' Weight= 25gr. Per 20" 1.4gr per ft. 516" Stainlies Steel Red anodized Aluminum 7085 N-see rim, 3762 g Prop.Wt.	Weigh Std 7.4lbs 3/8lb375lb	4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 8.5gr  Weigh Metric  38.4gr. 4.85gr. 13gr. Average  211gr.  91 gr. 6717 gr.	1 1 3 3 4 8 8 8 8 8 8 8 8 1 1 1 1 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2.712 0.4 14.795	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Includ	add add add add should be add add add add add add add add add ad	\$3.58 \$11.24 \$39.98 Part Total \$253.34 \$28.62 \$79.50 \$12.72 \$11.02 \$350.00 \$529.95	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael's Michael's Vendor  Fastenal  Hood's Do-it Center CommonWealth Displays
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless Fiat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Withort Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" Ny-lock Nuts Stainless Fiat Washers 1 1/2" OD x 5/16" ID ???? Stainless 5/16" Nig Nuts Stainless Fiat Washers 1 1/2" OD x 5/16" ID ???? Stainless 5/16" Ny-lock Nuts Stainless 5/16" Or Note Note Cord Section  Nose Cone Section Nose Cone Section Nose Cone Pointed Bulk Head - Mounting plate Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3' pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends  Notes  Pre-Fiberglassed Compressed Plywood 3/8" 7 ply U-Bolt ONLY  2400 Lb. Working load  Pre Sewn Looped ends  4 line - 60lb to 129.8 lb tested load Weight- 2Lb 11.4 oz. Per 100' Weight- 28gr. Per 20' 1.4gr per ft. 5/16" Stainless Steal Red anodized Aluminum	Weigh Std 7.4lbs 3/8lb375lb	4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 38.4gr. 4.85gr. 13gr. Average 211gr.	1 1 3 3 8 8 8 8 8 8 8 8 1 1 1 1 1 2 2 4 4 4 8 8 5 5 2 2 2 4 4 2 2 2 4 4 1 1 1 1 1 1 1 1 1 1	2.712 0.4	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Includ	add add add should add add add add add add add add add a	\$3.58 \$11.24 \$39.98 Part Total \$253.34 \$28.62 \$79.50 \$12.72 \$11.02 \$350.00 \$529.95	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael's Michael's Vendor  Fastenal  Hood's Do-it Center CommonWealth Displays
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Withort Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" Ny-lock Nuts Stainless 5/16" Or Nuts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Or Nuts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stain	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3' pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends  Notes  Pre-Fiberglassed Compressed Plywood 3/8" 7 ply U-Bolt ONLY  2400 Lb. Working load  Pre Sewn Looped ends  4 line - 60lb to 129.8 lb tested load 24" 1.0 to 2.2 lb tested load Weight= 2tb 11.4 oz. Per 100' Weight= 25gr. Per 20" 1.4gr per ft. 516" Stainlies Steel Red anodized Aluminum 7085 N-see rim, 3762 g Prop.Wt.	Weigh Std 7.4lbs 3/8lb375lb	4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 8.5gr  Weigh Metric  38.4gr. 4.85gr. 13gr. Average  211gr.  91 gr. 6717 gr.	1 1 3 3 4 8 8 8 8 8 8 8 8 1 1 1 1 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2.712 0.4 14.795	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Includ	add add add add should be add add add add add add add add add ad	\$3.58 \$11.24 \$39.98 Part Total \$253.34 \$28.62 \$79.50 \$12.72 \$11.02 \$350.00 \$529.95	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael's Michael's Vendor  Fastenal  Hood's Do-it Center CommonWealth Displays
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Ny-lock Nuts Stainless 6/16" Ny-lock Nuts Stainless Flat Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Electronics Bay 10" x 8 7/8" Stainless 5/16" Nuts Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless 5/16" Shock Cord Dut Qu'ck Links For Parachutes 98/7680 My-100 Ny-100 Ny-1	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3' pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends  Notes  Pre-Fiberglassed Compressed Plywood 3/8" 7 ply U-Bolt ONLY  2400 Lb. Working load  Pre Sewn Looped ends  4 line - 60lb to 129.8 lb tested load 24" 1.0 to 2.2 lb tested load 24" 1.0 to 2.2 lb tested load (24" 1.0 to 2.2 lb tested load (34" 1.0 to 2.5 lb tested l	Weigh Std 7.4lbs 3/8lb375lb	4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 8.5gr  Weigh Metric  38.4gr. 4.85gr. 13gr. Average  211gr.  91 gr. 6717 gr. 6483 gr.	1 3 3 4 8 8 8 8 8 8 8 8 1 1 1 1 1 1 1 2 2 4 4 4 4 4 8 8 8 8 8 8 8 8 8 8 8 8 8	2.712 0.4 14.795 14.279	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Includ	add add add add should be add add add add add add add add add ad	\$3.58 \$11.24 \$39.98 Part Total \$253.34 \$28.62 \$79.50 \$12.72 \$11.02 \$350.00 \$529.95	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael's Michael's Vendor  Fastenal  Hood's Do-it Center CommonWealth Displays
Launch Lug 3/4"x 8" Copper Pipe Launch Lug Riser - Apmrox 1" x 1" x 12" Stainless 5/16" U-Bolts Stainless 5/16" Ny-lock Nuts Stainless Fita Washers 1 1/2" OD x 5/16" ID Upper Bulkhead Without Machined Lip Lower Bulkhead With Machined Lip Electronics Bay 10" x 8 7/2" Stainless 5/16" X 12" Threaded Rod Stainless 5/16" Nuts Stainless 5/16" Chain Ouick Links Electronics Mounting Plate Guides 1/2"Yellow Keviar Nylon Shock Cord Section  Part Discription  Nose Cone Section Nose Cone Pointed Bulk Head - Mounting plate Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" U-Bolts Stainless 5/16" Nuts Stainless 5/16" O-Bolts Stainless 5/16" Chain Ouick Links Shock Cord - Rubber Bungie 1/2"Yellow Kevlar Nylon Shock Cord Section  Other Assembly Parts Parachute XLarge 129 sq. 1t Parachute Drogue 6.3 sq. 1t 100" Tubular Kevlar 1/8" Shock Cord Delta Quick Links For Parachutes 98/7880 Motor - Dr. Rocket RMS 98mm RMS 98/7680 Mt400T  General Assm. Weights	3/4" copper pipe Solid Oak U-Bolt ONLY  2 - 3' pieces cut to length - 5pc 12"  2pk /\$1.35 2400 Lb. Working load  Pre Sewn Looped ends Notes  Pre-Fiberglassed Compressed Plywood 3/8" 7 ply U-Bolt ONLY  2400 Lb. Working load  Pre Sewn Looped ends  4 line - 60lb to 129.8 lb tested load 24" 1.0 to 2.2 lb tested load Weight= 2tb 11.4 oz. Per 100' Weight= 2tb 11.4 oz. Per 100' Weight= 25gr. Per 20' 1.4gr per ft. 516" Stainlies Steel Red anodized Aluminum 7085 N-sec Imp. 3762 g Prop.Wt. 7680 N-sec Imp. 3527 g Prop.Wt.	Weigh Std 7.4lbs 3/8lb375lb 3lb 12 oz 6 oz	4.85gr. 4.85gr. 4.85gr. 4.85gr. 4.85gr. 8.5gr  Weigh Metric  38.4gr. 4.85gr. 13gr. Average  211gr.  91 gr. 6717 gr. 6483 gr.	1 1 3 3 4 4 8 8 8 8 8 1 1 1 1 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2.712 0.4 14.795 14.279	In Stock \$2.95 \$0.30 \$0.45 \$0.90 Included Includ	add add add add should be add add add add add add add add add ad	\$3.58 \$11.24 \$39.98 Part Total \$253.34 \$28.62 \$79.50 \$12.72 \$11.02 \$350.00 \$529.95	Michael's Fastenal  Hood's Do-it Center Hood's Do-it Center Lowes CommonWealth Displays Michael's Michael's Michael's Vendor  Fastenal  Hood's Do-it Center CommonWealth Displays

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