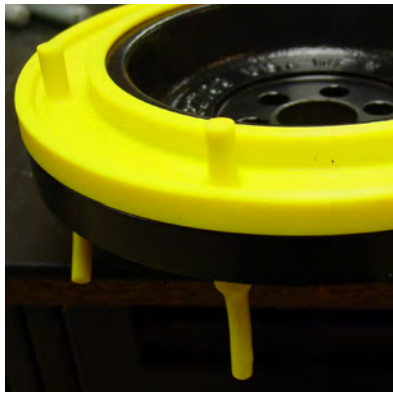
Engineered Products & Services, Inc.

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TECHNICAL REFERENCE GUIDE







TOGETHER WE MAKE
THE DIFFERENCE

Dear Valued Partner,

I am pleased to present you the newest and most up to date EPSI Technical Reference Guide. In it, you will find the EPSI products you have come to rely on, as well as a number of new innovative products from our masking experts. Please keep in mind that this is only a partial offering of the over quality 2,000 quality products we offer.

In addition to our standard parts, we have a team of dedicated engineers who will design custom parts for your specific masking needs. With over 235 combined years of masking experience, our dedicated team of experts will assist you in whatever project you have, be it large or small. You ask it, we mask it.

I am also pleased to announce that EPSI is now conducting onsite masking audits. Your local EPSI representative will time your line, assess your line density and calculate savings based on a variety of different masking solutions. Our onsite masking audit is just one more way we are committed to you, our customer.

Our guarantee to you is to increase your profitability through unmatched quality, superior supply chain, constant innovation, and services and programs that are meaningful to your bottom line. With our eight domestic and multiple global locations, we are closer than you think and will be there to support you in all your masking needs.

For up to date pricing and product offerings, please contact your local EPSI representative or visit us at www.epsi.com.

Sincerely,



President

CUSTOMER FOCUSED • GROWTH ORIENTED • MAKE IT SIMPLE
TRUST + RESPECT • PERSONAL RESPONSIBILITY • WE WILL GET THERE TOGETHER

EPSI, the EPSI Logo, You Ask It, We Mask It, Masking & Hanging Solutions, and Imagination That Moves You Forward are registered trademarks of Engineered Products and Services, Inc.

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TOGETHER WE MAKE THE DIFFERENCE

866.ASK.EPSI • www.epsi.com

EPSI provides consistent, exceptional masking and hanging solutions you can count on! Guided by our core values, EPSI also provides the best customer service experience by utilizing the steps of our proven process.



EPSI'S PARTNERSHIP PROGRAM

Communication and availability is key for a successful partnership! We take pride in servicing local and national accounts across the globe, with our 50+ strong team of technical sales reps, regional managers, and our VMI program. We make your life easy with personal service,forecasting your inventory, and providing insight on competition with our industry intelligence.

Our technical field reps have immediate market access to help provide you with the products and programs that you need to stay on top of innovation, save on cost, and ensure on-time delivery. We do more than taking your order, we are committed to your success, and always available when you need us; when we say local service, we mean it! Here are some of our Partnership Program incentives we offer to make it easy to work with EPSI!

Flash Sale Access	Volume & Quantity Incentive	Blanket Order Rewards	Referral Rewards
Receive an all access pass to our flash sales that we run throughout the year	Save when you purchase additional quantities of the same part number for the same order	Receive additional savings when you sign up for blanket orders!	Get savings when you refer new business to EPSI

Pay Early & Pay in Full Incentives	Payment Term Incentives	Go Custom & Save!	Price Match Program
Receive additional savings when you pay early and/or in full	Take advantage of longer or better payment terms as you build your relationship with EPSI	Go custom with EPSI and save on tooling fees!	Provide proof of recent competition's pricing and we will PRICE MATCH!

New Product & Program Incentives	Reduced Restocking Fee	Savings on G Items	Premier VMI Set Up
Receive savings and incentives on new products & programs EPSI rolls out!	Save on restocking fees on select Partnership levels	Receive additional savings when you purchase Guaranteed items	Joining our VMI program? Receive Premier VMI Set Up on select Partnership levels

Early Access to New Products, Programs, & Promotions	Shipping Incentives	The More You Spend, The More You Save	AND MORE!
Receive first access on new EPSI products, programs and sales/promotions on select Partnership levels	Receive BIG savings on shipping starting at the Platinum Membership Level	Receive additional savings when projected annual spend is exceeded!	

Some restrictions may apply. Application may have to be submitted for select incentive programs (example: Payment Terms). Program details can change at any time as we are continuously striving to improve our program to meet the needs of our customers.



PROGRAMS & SERVICES

Our commitment to you, our partner, is to increase your profitability through unmatched quality, superior supply chain, constant innovation, and services and programs that are meaningful to your bottom line.

For that reason, EPSI is proud to bring you our Partnership Program. Not only will you experience competitive market-based prices, you will also receive added value through EPSI's innovative services and newly added incentives.

Learn more about our On-Site Masking Audit, VMI Program, Rapid Prototype Programs, Custom Plotter, Custom Mold Program,

AND MORE!

YOU ASK IT. WE MASK IT.®

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PROGRAMS & SERVICES

PROGRAMS & SERVICES

CAPABILITIES

Rubber/Plastic Injection

Extrusion Molding

Insert Molding (Overmolding)

Compression Molding

Waterjet Cutting

Laser Cutting

Silicone Rapid Prototyping

3D Printing

Wire Bending (Wire Forming)

Welding

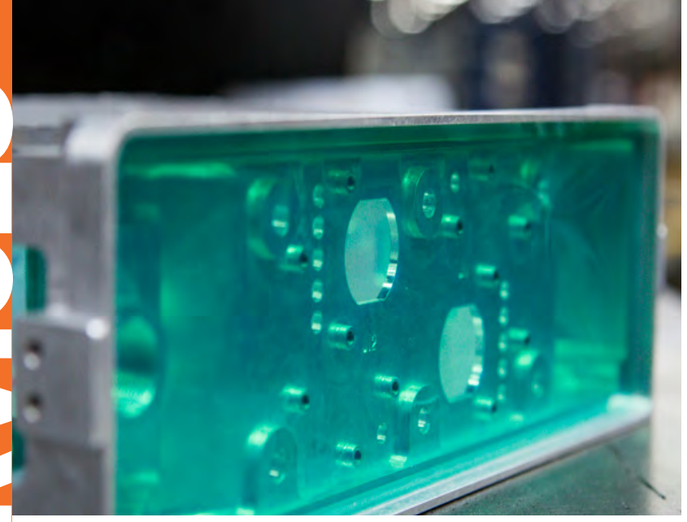
Fabrication

Steel Rule Die Cutting

Rotary Die Cutting

Plotter Cutting

AND MORE!



CUSTOMS

The EPSI Guarantee means that we provide you with the best solutions for your masking needs. Sometimes that solution is one of our guaranteed products, but other times you need a custom solution. Our in-house engineering teams has decades of experience in working with customers to produce a solution fit to your precise needs. We continue to lead the industry in creating efficient, custom solutions for diverse applications.

We are the masking experts and we have calculated the point where customers will realize savings using a custom mold or custom tape mask verses masking with standard products.

Your EPSI sales representative can help you estimate your savings and determine whether a custom product is the right solution for you.

That's the EPSI guarantee!



PARTNERSHIP PROGRAM

Communication and availability is key for a successful partnership! We take pride in servicing local and national accounts across the globe, with our 50+ strong team of technical sales reps, regional managers, and our VMI program. We make your life easy with personal service,forecasting your inventory, and providing insight on competition with our industry intelligence.

Our technical field reps have immediate market access to help provide you with the products and programs that you need to stay on top of innovation, save on cost, and ensure on-time delivery. We do more than taking your order, we are committed to your success, and always available when you need us; when we say local service, we mean it!

Refer to PAGE 2 for a list of our Partnership Program incentives!

VMI - VENDOR MANAGED INVENTORY

Today many EPSI customers enjoy the benefits of our Vendor Managed Inventory (VMI) program. The high price of procurement demands that they embrace a more efficient process, one that reduces total cost and creates value. EPSI's supply chain and logistics team will help map your existing processes, analyze work functions and recommend changes and improvements. The resulting strategies help drive profitability.

With EPSI as your partner, the products, services and people you need are as close as our nearest branch. We tailor our inventory to meet your requirements. Our expertise in storeroom and inventory management will enable you to eliminate duplicate, excess, and obsolete products.

We do more than just take your order, we work closely with you – like an extension of your internal resources – to solve your specific inventory challenges. EPSI's VMI program allows you to focus on your competencies while reducing inventory levels, freeing up cash flow and saving time.

Reasons to join our VMI Program:

- On-site masking expertise
- Zero stock outages
- Free inventory bins and shelving
- Instant delivery
- No freight charges
- Reduction in inventory SKUs
- No shut-down time for lack of masking
- Ease of doing business
- Free inventory maintenance
- No duplicate inventory items
- Reduced cost of doing business
- Just in Time (JIT) inventory



Program includes free 3' x 5' shelf, 12 inventory bins and initial setup. A $5,000 Value — FREE! *

*Customer must be on a minimum of Silver 3 Partnership Level. Estimated annual savings include projected savings from freight, procurement costs, inventory management, maintenance, setup, bins, shelving, etc

RAPID PROTOTYPE PROGRAMS

3D Printing technology gives EPSI the ability to print rubber-like and plastic prototypes in different durometers. With this technology, we can simulate our custom rubber solution in days rather than weeks. Being able to test for form and fit gives you the confidence to proceed directly to production, saving precious time.





RAPID PROTOTYPING BENEFITS

- Prototypes for "form and fit" test in 2-3 days
- Ability to go straight to production
- Production parts in as little as 6 weeks
- Cut time for a custom mold program by 50%
- Reduce overall cost of custom solutions
- Reduces downtime - you're up and running quicker

RAPID PROTOTYPE PRODUCTION PROCESS

Custom mold order received from client	Print prototype samples for form and fit. *2-3 Business Days*	Client approves samples based on form and fit	Build mold and proceed to production based on form and fit approval *6 Weeks*	Client receives production parts

6 WEEK LEAD TIME USING NEW RAPID PRODUCTION PROCESS

NOW AVAILABLE!

SILICONE RAPID PROTOTYPE PROGRAM

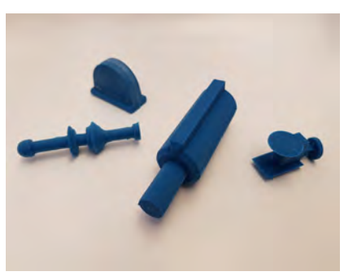
Go beyond just form & fit prototypes.

EPSI has created a process by which we can produce prototypes for form, fit and function in as little as 3 business days. This means not only can you test for fit, you can run them through high temperatures as well.

The benefits of Silicone Rapid Prototypes include speed, cost, and approximation to the final part design, including material properties and dimensions.

Contact your Technical Sales Represenative for pricing & lead times.

YOU ASK IT. WE MASK IT.®



ON-SITE MASKING AUDIT

Are you ready to solve your biggest masking pains?

With our Complimentary On-Site Masking Audit, we'll be right there with you to identify, assess and calculate your return on investment.

Our Technical Sales Representative will meet with you, our partner, to learn about your needs, goals, expectations and greatest masking pains, including removal and rework. We will conduct our on-site masking audit and enter the timing information into our Masking Audit Calculator. This innovative formula, designed by our experienced Engineering team, will help determine the best masking solutions and your savings.

Our On-Site Masking Audit is just one more way we are committed to you, our customer.

CUSTOM MOLD PROGRAM



ARE YOU SPENDING TOO MUCH ON MASKING LABOR? IS YOUR LINE SPEED SUFFERING BECAUSE OF COMPLICATED MASKING? IF SO, A CUSTOM MOLD FROM EPSI IS JUST WHAT YOU NEED!

The EPSI Guarantee means that we provide you with the best solutions for your masking needs. Sometimes it's one of our guaranteed in-stock products like our Flex-Tite countersink pull plugs (CPP) or patented Liqui-Tite plugs (LTP™). Other times, it means a custom solution. Only EPSI can provide you with the perfect custom piece with the speed and savings you need to keep things moving.

Our in-house engineering team has over a decade of experience in partnering with our customers to produce tens of thousands of custom silicone masks. We continue to lead the industry in creating efficient, custom solutions for diverse applications.

Here at EPSI, we begin the custom silicone mask process by getting all pertinent information from the customer (drawings, samples, etc.) and then discuss the best masking method to use. We'll develop the design and convey the idea to our customers with drawings (three dimensional PDFs, verbal descriptions) and arrive at a final design that will, in the end, save the customer time and money in their finishing process.

Go Custom with EPSI & SAVE!

YOU ASK IT. WE MASK IT.®

CONTACT YOUR TECHNICAL SALES REPRESENTATIVE TO SCHEDULE YOUR COMPLIMENTARY ON-SITE MASKING AUDIT

THE EPSI CUSTOM MOLD PROGRAM

- ☑ THE EPSI GUARANTEE: Your Mold Works or We Fix It Free!
- ☑ Expert Consultation with a Design Engineer
- ☑ Application Analysis for Your Custom Mold
- ☑ CAD Drawings Created to Your Specifications
- ☑ Fast Quoting Process Reduces Down Time
- ☑ Simple Order Setup Makes Reordering Easy
- ☑ Dedicated Customer Service Rep from Start to Finish
- ☑ Liaison to Factory for Manufacturing
- ☑ Production Monitoring and Reporting

AVERAGE SAVINGS*

PIECES	SAVINGS
1,000	$660
1,500	$990
2,000	$1,320
2,500	$1,650
3,000	$1,980
3,500	$2,310
4,000	$2,460
4,500	$2,970
5,000	$3,330

*Based on less complex, high-volume masks. Break-even point is approximately 1,900 masks. Time savings are even greater on more complex masks, resulting in exponentially higher savings.

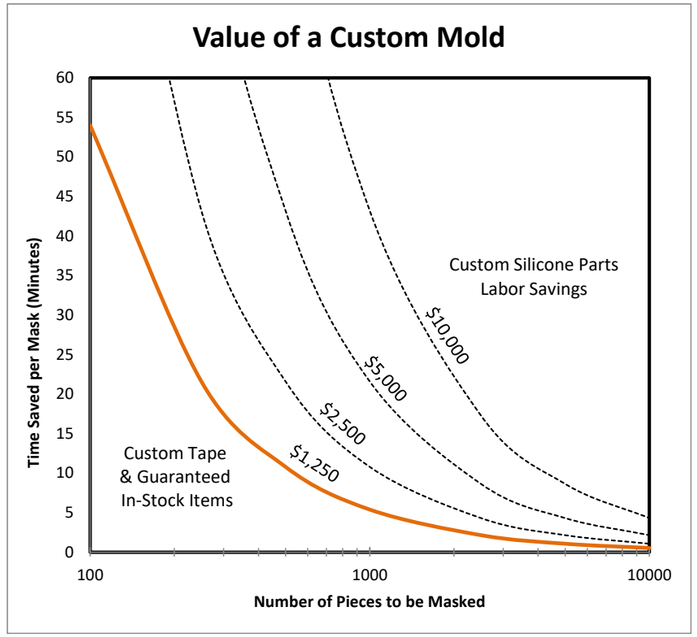
MASK BY HAND v. CUSTOM



SAVE TIME, SAVE MONEY!

YOU ASK IT. WE MASK IT.®

WHAT CAN CUSTOM SAVE ME?



Estimating your savings is easy!

Step 1: Determine the total number of masks for your project.

Step 2: Calculate the time saved per mask with a custom mold. A 90% time savings is typical.

Step 3: Plot the point on the graph that corresponds to your time saved and piece quantity.

If your point is to the right of the orange line, you will save time and money with a custom mold solution. As you can see, the further to the right, the greater savings you can expect.

If your point falls to the left of the orange line, our custom tape program or one of our guaranteed in-stock items could provide the best solution.

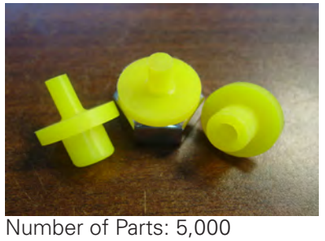
CASE STUDIES



Number of Parts: 5,000
Time Saved per Mask: 4.5 min.
Total Savings: $5,600



Number of Parts: 10,000
Time Saved per Mask: 1.3 min.
Total Savings: $3,300



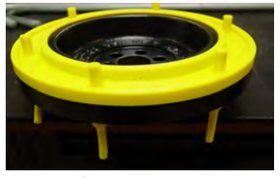
Number of Parts: 5,000
Time Saved per Mask: 1.5 min.
Total Savings: $1,875



Number of Parts: 2,000
Time Saved per Mask: 9.0 min.
Total Savings: $4,500



Number of Parts: 3,200
Time Saved per Mask: 1.6 min.
Total Savings: $1,265



Number of Parts: 2,200
Time Saved per Mask: 3.3 min.
Total Savings: $1,830

CUSTOM PLOTTER PROGRAM

The EPSI Guarantee means we provide you with the best solution for your masking needs. Frequently, it's guaranteed in-stock products like our A12 green tape or our patented Wishbone ™ discs. But, occasionally only a custom shape will do and only EPSI can provide these custom pieces as quick and affordable as standard masking products.

Plotter cutting is a highly customized and economic process for quickly developing custom solutions for complicated masks and irregular shapes. Additionally, EPSI can set whole sets of plotter cut masks on a single roll, reducing masking time and labor costs.

Use this guide to determine the tape and number of rolls you require based on the size and quantity or the part to be masked. Our engineering team, with years of experience designing custom shapes and masking products, will design and produce your custom solution based on your parts and/or drawings. Next, our computer-controlled plotter cutter will quickly produce your custom tape solution, giving you a perfect mask every time.

INSTRUCTIONS

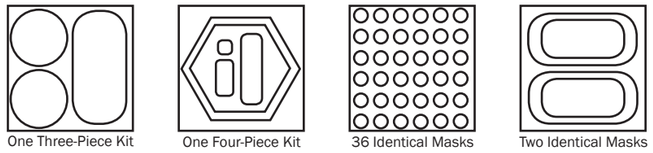
1 Use the grid on the right to estimate how many die cut pieces you can expect to receive on a roll. You can turn a mask in any direction, duplicate a mask multiple times in the work area and combine different masks to make a kit.

2 Send us your PO along with:

- The selected tape
- Your estimated piece count per roll
- Your preferred shipping method
- Indicate clearly what you want to mask on one of the following:
  - 3D CAD model in: STEP, DXF, or IGES format
  - A detailed engineering print
  - An existing sample die cut
  - A sample part to be masked

3 Your masking requirements will be analyzed and the best fit on the tape roll will be developed. Our design engineers will process your order and send you a confirmation. You can expect to have your custom plotter cut masking shipped to you within one to two business days of receipt of confirmation.

That's the EPSI Guarantee!



One Three-Piece Kit | One Four-Piece Kit | 36 Identical Masks | Two Identical Masks

The size of your mask determines how many pieces per roll you will receive. Larger masks allow for fewer pieces per roll, and smaller masks allow for more. Careful arrangements sometimes allow for an increased number of pieces. Try laying out a paper template of your mask on the grid to the right to help determine how many pieces you can get per roll.

TAPE DESCRIPTIONS

C21

- Maximum Temperature: 325° F
- High-Temp Rubber Adhesive
- Tough, Smooth Crepe Paper Carrier
- Tear Resistant & Solvent Resistant
- Straight, Clean Pain Lines
- Standard Usable Width 8" (Opt. 11")

A12

- Maximum Temperature: 400° F
- High-Temp Silicone Adhesive
- 2.0 mil PET Carrier
- 3.4 mil Total Thickness
- Clean Removal, No Residue
- Standard Usable Width 8" (Opt. 11")

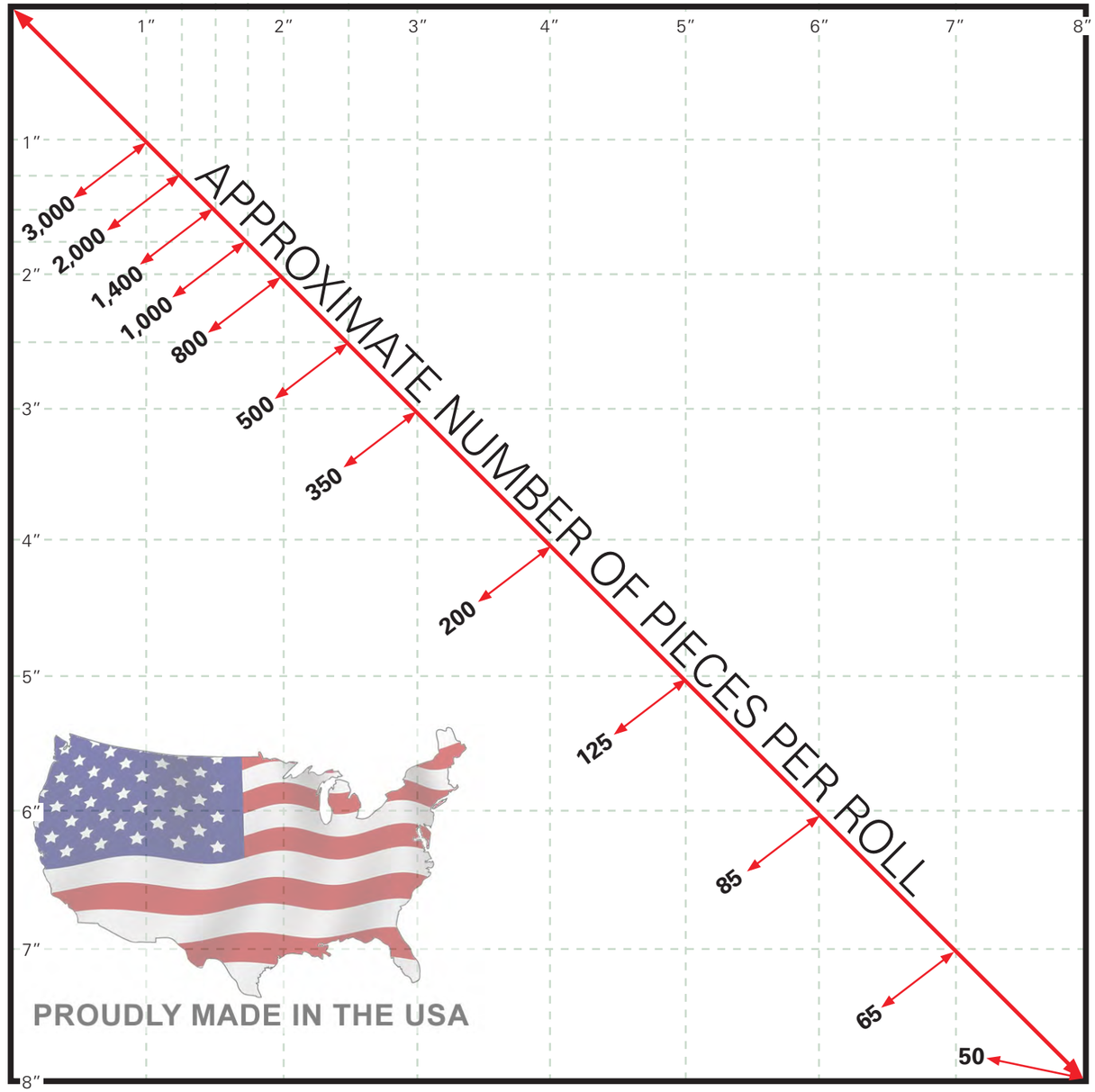
012

- Maximum Temperature: 430° F
- High-Temp Silicone Adhesive
- 2.0 mil PET Carrier
- 3.2 mil Total Thickness
- Clean Removal, No Residue
- Standard Usable Width 8" (Opt. 11")

K22

- Maximum Temperature: 500° F
- High-Temp Silicone Adhesive
- 2.0 mil Polyimide Carrier
- 3.5 mil Total Thickness
- Clean Removal, No Residue
- Standard Usable Width 8"

USE THIS GRID TO ESTIMATE THE NUMBER OF PIECES PER ROLL



FOR EXAMPLE:

If each piece is about 1X1" you'll get up to 3,000 masks.
If each piece is about 3X3" you'll get about 350 masks.
If each piece is about 5X5" you'll get about 125 masks.
If each piece is about 8X8"you'll get about 50 masks.

CAPS

VINYL CAP	VC	13
EPDM CAP	EC	16
SILICONE CAP	SC	19
CONE CAP	CONE	16
CON CAP	CONS	16
WASHER CAP	WC	25
EASY CAP	EZY	27
FLANGED CAP	FCS	29
FLANGED SILICONE CAP	FSC	30
MULTI LENGTH CAP	MLC	32
MULTI BALLOON MASK	MBM	33
RECTANGLE CAP	RC	34
CAP STARTER KITS	KIT	35



EPSI's versatile line of caps are the industry standard for masking solutions. Confidently cover threaded or non-threaded studs, extrusions, dowels, corners, and so much more. EPSI caps also double as plugs to cover tapped holes, irregular contours and threaded holes. Caps are offered in EPDM, vinyl and durable, reusable, high-temp silicone. Choose from a variety of colors for easy identification on your masking line.

CUSTOMS

The EPSI Guarantee means that we provide you with the best solutions for your masking needs. Sometimes that solution is one of our guaranteed products, but other times you need a custom solution. Our in-house engineering teams has decades of experience in working with customers to produce a solution fit to your precise needs. We continue to lead the industry in creating efficient, custom solutions for diverse applications.

We are the masking experts and we have calculated the point where customers will realize savings using a custom mold or custom tape mask verses masking with standard products.

Your EPSI sales representative can help you estimate your savings and determine whether a custom product is the right solution for you.

That's the EPSI guarantee!

VC SERIES - VINYL CAPS



PRODUCT DESCRIPTION

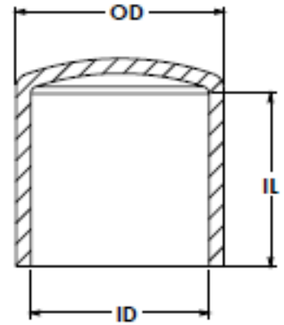
EPSI's Vinyl Cap (VC) series are an economical alternative to Silicone and EPDM which can be used as either a cap or as a plug. The flexibility of vinyl makes it easy to install while the airtight seal that they provide keeps them in place once they are on. The flexibility also makes them more resistant to tearing and shredding. Vinyl Cap (VC) series can be used for applications from high temperature masking to protecting parts from debris & contamination during shipping

HELPFUL HINTS

- When sizing, ID of cap should be 5-7% smaller then OD of stud

TYPICAL APPLICATIONS

Can be used in low temp applications or removed/applied prior to dry-off/cure stages in hi-temp applications, protect studs during shipping



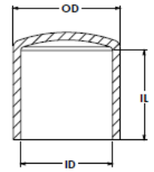
TECHNICAL DIAGRAM KEY	
ID	Inner Diameter
OD	Outer Diameter
IL	Inner Length

VC SERIES (CONTINUED)

PART NUMBER	COLOR	ID (in)	OD (in)	IL (in)	ID (mm)	OD (mm)	IL (mm)	PCS/ BAG
VC 0054X0625	BLACK	0.054	0.090	0.625	1.4	2.3	15.9	1000
VC 0062X0625	BLACK	0.062	0.120	0.625	1.6	3.0	15.9	1000
VC 0080X0625	BLACK	0.080	0.140	0.625	2.0	3.6	15.9	1000
VC 0093X0750	BLACK	0.093	0.150	0.750	2.4	3.8	19.1	1000
VC 0125X0500	BLACK	0.125	0.200	0.500	3.2	5.1	12.7	1000
VC 0125X1000	BLACK	0.125	0.200	1.000	3.2	5.1	25.4	1000
VC 0140X0500	BLACK	0.140	0.210	0.500	3.6	5.3	12.7	1000
VC 0140X1000	BLACK	0.140	0.210	1.000	3.6	5.3	25.4	1000
VC 0156X0500	BLACK	0.156	0.240	0.500	4.0	6.1	12.7	1000
VC 0156X1000	BLACK	0.156	0.240	1.000	4.0	6.1	25.4	1000
VC 0172X0500	BLACK	0.172	0.250	0.500	4.4	6.4	12.7	1000
VC 0172X1000	BLACK	0.172	0.250	1.000	4.4	6.4	25.4	1000
VC 0187X0500	BLACK	0.187	0.270	0.500	4.7	6.9	12.7	1000
VC 0187X1000	BLACK	0.187	0.270	1.000	4.7	6.9	25.4	1000
VC 0203X0500	BLACK	0.203	0.290	0.500	5.2	7.4	12.7	1000
VC 0203X1000	BLACK	0.203	0.290	1.000	5.2	7.4	25.4	1000
VC 0218X0500	BLACK	0.218	0.310	0.500	5.5	7.9	12.7	1000
VC 0218X1000	BLACK	0.218	0.310	1.000	5.5	7.9	25.4	1000
VC 0234X0500	BLACK	0.234	0.320	0.500	5.9	8.1	12.7	1000
VC 0250X1000	BLACK	0.250	0.350	1.000	6.4	8.9	25.4	1000
VC 0281X0500	BLACK	0.281	0.380	0.500	7.1	9.7	12.7	500
VC 0281X1000	BLACK	0.281	0.380	1.000	7.1	9.7	25.4	500
VC 0312X0500	BLACK	0.312	0.420	0.500	7.9	10.7	12.7	500
VC 0312X1000	BLACK	0.312	0.420	1.000	7.9	10.7	25.4	500
VC 0343X0500	BLACK	0.343	0.450	0.500	8.7	11.4	12.7	500
VC 0343X1000	BLACK	0.343	0.450	1.000	8.7	11.4	25.4	500
VC 0375X0500	BLACK	0.375	0.500	0.500	9.5	12.7	12.7	500
VC 0375X1000	BLACK	0.375	0.500	1.000	9.5	12.7	25.4	500
VC 0406X0500	BLACK	0.406	0.530	0.500	10.3	13.5	12.7	250
VC 0406X1000	BLACK	0.406	0.530	1.000	10.3	13.5	25.4	250
VC 0437X0500	BLACK	0.437	0.560	0.500	11.1	14.2	12.7	250
VC 0437X1000	BLACK	0.437	0.560	1.000	11.1	14.2	25.4	250
VC 0500X0500	BLACK	0.500	0.620	0.500	12.7	15.7	12.7	250
VC 0500X1000	BLACK	0.500	0.620	1.000	12.7	15.7	25.4	250
VC 0531X0500	BLACK	0.531	0.650	0.500	13.5	16.5	12.7	250
VC 0531X1000	BLACK	0.531	0.650	1.000	13.5	16.5	25.4	250
VC 0562X0500	BLACK	0.562	0.690	0.500	14.3	17.5	12.7	250
VC 0562X1000	BLACK	0.562	0.690	1.000	14.3	17.5	25.4	250

Current pricing and additional sizes available at www.epsi.com

VC SERIES (CONTINUED)



TECHNICAL DIAGRAM KEY

ID	Inner Diameter
OD	Outer Diameter
IL	Inner Length

PART NUMBER	COLOR	ID (in)	OD (in)	IL (in)	ID (mm)	OD (mm)	IL (mm)	PCS/ BAG
VC 0625X0500	BLACK	0.625	0.760	0.500	15.9	19.3	12.7	250
VC 0625X1000	BLACK	0.625	0.760	1.000	15.9	19.3	25.4	250
VC 0687X0500	BLACK	0.687	0.810	0.500	17.4	20.6	12.7	100
VC 0687X1000	BLACK	0.687	0.810	1.000	17.4	20.6	25.4	100
VC 0750X0500	BLACK	0.750	0.880	0.500	19.1	22.4	12.7	100
VC 0750X1000	BLACK	0.750	0.880	1.000	19.1	22.4	25.4	100
VC 0812X0500	BLACK	0.812	0.940	0.500	20.6	23.9	12.7	100
VC 0812X1000	BLACK	0.812	0.940	1.000	20.6	23.9	25.4	100
VC 0875X0500	BLACK	0.875	1.020	0.500	22.2	25.9	12.7	100
VC 0875X1000	BLACK	0.875	1.020	1.000	22.2	25.9	25.4	100
VC 0937X0500	BLACK	0.937	1.080	0.500	23.8	27.4	12.7	100
VC 0937X1000	BLACK	0.937	1.080	1.000	23.8	27.4	25.4	100
VC 1000X0500	BLACK	1.000	1.140	0.500	25.4	29.0	12.7	100
VC 1000X1000	BLACK	1.000	1.140	1.000	25.4	29.0	25.4	100
VC 1062X1000	BLACK	1.062	1.200	1.000	27.0	30.5	25.4	100
VC 1125X1000	BLACK	1.125	1.270	1.000	28.6	32.3	25.4	100
VC 1187X1000	BLACK	1.187	1.330	1.000	30.1	33.8	25.4	100
VC 1250X1000	BLACK	1.250	1.390	1.000	31.8	35.3	25.4	100
VC 1375X1000	BLACK	1.375	1.520	1.000	34.9	38.6	25.4	100
VC 1500X1000	BLACK	1.500	1.640	1.000	38.1	41.7	25.4	50
VC 1625X1000	BLACK	1.625	1.770	1.000	41.3	45.0	25.4	50
VC 1750X1000	BLACK	1.750	1.890	1.000	44.5	48.0	25.4	50
VC 1875X1000	BLACK	1.875	2.020	1.000	47.6	51.3	25.4	25
VC 2000X1000	BLACK	2.000	2.140	1.000	50.8	54.4	25.4	25
VC 2250X1000	BLACK	2.250	2.400	1.000	57.2	61.0	25.4	25
VC 2250X1500	BLACK	2.250	2.400	1.500	57.2	61.0	38.1	25
VC 2375X1000	BLACK	2.375	2.520	1.000	60.3	64.0	25.4	25
VC 2500X1000	BLACK	2.500	2.650	1.000	63.5	67.3	25.4	25
VC 2750X1000	BLACK	2.750	2.910	1.000	69.9	73.9	25.4	25
VC 2875X1000	BLACK	2.875	3.030	1.000	73.0	77.0	25.4	25
VC 3125X1000	BLACK	3.125	3.280	1.000	79.4	83.3	25.4	25
VC 3255X1125	BLACK	3.255	3.410	1.125	82.7	86.6	28.6	25
VC 3500X1125	BLACK	3.500	3.660	1.125	88.9	93.0	28.6	25
VC 4250X1250	BLACK	4.250	4.410	1.250	108.0	112.0	31.8	25

Current pricing and additional sizes available at www.epsi.com

EC SERIES - EPDM CAPS

475°F (245°C)





PRODUCT DESCRIPTION

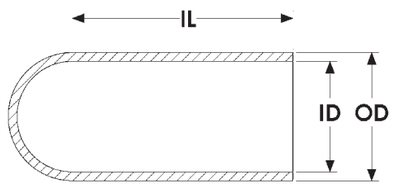
Our EPDM Cap (EC) product line is the industry standard for low cost masking applications. Their versatile nature allows them to fit over extrusions, threaded studs, PEMS and dowels, as well as be used as a plug for tapped holes, irregular contours and threaded holes. Our high temperature EPDM is specially formulated for chemical resistance and ensures reusability and economy during masking

TYPICAL APPLICATIONS

Used as a cap over threaded studs, dowels and protrusions. Used as a plug for tapped holes, irregular contours and threaded holes

HELPFUL HINTS

- When sizing parts as a cap, the ID of the cap should be 2 - 3% smaller than the stud diameter
- To ensure easy removal, select a cap length that is slightly longer than the masking length of the stud. This is especially important if the cap ID is less than 4% of the stud diameter
- When sizing parts as a plug, the OD should be at least 6% larger than the hole diameter
- If used to cover tube ends in powder coating, a small slit in the top of the cap will prevent blow-out. (See EZY™ Caps)
- Economical enough to be used one time in high temperature applications or where the cap will be used during shipping after coating process
- Can be Used as Both a Cap and as a Plug
- EPDM Caps are Reusable and Have Excellent Chemical Resistance
- Round Top Profile Allows for Easy Insertion into Holes
- Flexible Enough to Conform to Irregular Geometry
- Can be Used as Both a Cap and as a Plug
- EPDM Caps are Reusable and Have Excellent Chemical Resistance
- Round Top Profile Allows for Easy Insertion into Holes
- Flexible Enough to Conform to Irregular Geometry



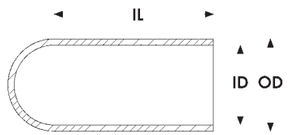
TECHNICAL DIAGRAM KEY	
ID	Inner Diameter
OD	Outer Diameter
IL	Inner Length

EC SERIES (CONTINUED)

PART NUMBER	COLOR	ID (in)	OD (in)	IL (in)	ID (mm)	OD (mm)	IL (mm)	PCS/ BAG
EC 0040X0750	BLACK	0.040	0.130	0.750	1.0	3.3	19.1	1000
EC 0062X0750	BLACK	0.062	0.152	0.750	1.6	3.9	19.1	1000
EC 0100X1000	BLACK	0.100	0.200	1.000	2.5	5.1	25.4	1000
EC 0109X0500	BLACK	0.109	0.229	0.500	2.8	5.8	12.7	1000
EC 0109X0750	BLACK	0.109	0.209	0.750	2.8	5.3	19.1	1000
EC 0125X0500	BLACK	0.125	0.225	0.500	3.2	5.7	12.7	1000
EC 0125X1000	BLACK	0.125	0.225	1.000	3.2	5.7	25.4	1000
EC 0140X0250	BLACK	0.140	0.260	0.250	3.6	6.6	6.4	1000
EC 0140X1000	BLACK	0.140	0.260	1.000	3.6	6.6	25.4	1000
EC 0148X1000	BLACK	0.148	0.268	1.000	3.8	6.8	25.4	1000
EC 0156X0500	BLACK	0.156	0.276	0.500	4.0	7.0	12.7	1000
EC 0156X1000	BLACK	0.156	0.276	1.000	4.0	7.0	25.4	1000
EC 0172X0500	BLACK	0.172	0.292	0.500	4.4	7.4	12.7	1000
EC 0172X1000	BLACK	0.172	0.292	1.000	4.4	7.4	25.4	1000
EC 0180X1000	BLACK	0.180	0.300	1.000	4.6	7.6	25.4	1000
EC 0187X0500	BLACK	0.187	0.307	0.500	4.7	7.8	12.7	1000
EC 0187X1000	BLACK	0.187	0.307	1.000	4.7	7.8	25.4	1000
EC 0197X0500	BLACK	0.197	0.317	0.500	5.0	8.1	12.7	1000
EC 0218X1000	BLACK	0.218	0.338	1.000	5.5	8.6	25.4	1000
EC 0223X1000	BLACK	0.223	0.343	1.000	5.7	8.7	25.4	1000
EC 0223X1500	BLACK	0.223	0.343	1.500	5.7	8.7	38.1	1000
EC 0234X0500	BLACK	0.234	0.354	0.500	5.9	9.0	12.7	1000
EC 0234X0787	BLACK	0.234	0.354	0.787	5.9	9.0	20.0	1000
EC 0234X1000	BLACK	0.234	0.354	1.000	5.9	9.0	25.4	1000
EC 0234X1500	BLACK	0.234	0.354	1.500	5.9	9.0	38.1	1000
EC 0250X1000	BLACK	0.250	0.370	1.000	6.4	9.4	25.4	1000
EC 0295X0500	BLACK	0.295	0.415	0.500	7.5	10.5	12.7	500
EC 0295X0750	BLACK	0.295	0.415	0.750	7.5	10.5	19.1	500
EC 0295X1000	BLACK	0.295	0.415	1.000	7.5	10.5	25.4	500
EC 0295X1500	BLACK	0.295	0.415	1.500	7.5	10.5	38.1	500
EC 0312X1000	BLACK	0.312	0.432	1.000	7.9	11.0	25.4	500
EC 0312X1500	BLACK	0.312	0.432	1.500	7.9	11.0	38.1	500
EC 0340X1000	BLACK	0.340	0.460	1.000	8.6	11.7	25.4	500
EC 0355X1500	BLACK	0.355	0.475	1.500	9.0	12.1	38.1	500
EC 0366X1500	BLACK	0.366	0.486	1.500	9.3	12.3	38.1	500
EC 0375X1000	BLACK	0.375	0.495	1.000	9.5	12.6	25.4	500

Current pricing and additional sizes available at www.epsi.com

EC SERIES (CONTINUED)



TECHNICAL DIAGRAM KEY

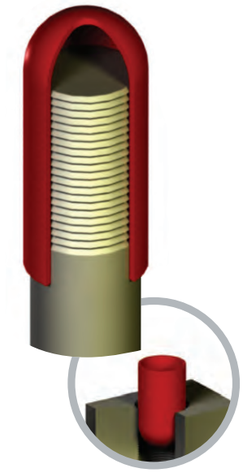
ID	Inner Diameter
OD	Outer Diameter
IL	Inner Length

PART NUMBER	COLOR	ID (in)	OD (in)	IL (in)	ID (mm)	OD (mm)	IL (mm)	PCS/ BAG
EC 0375X1500	BLACK	0.375	0.495	1.500	9.5	12.6	38.1	500
EC 0437X1000	BLACK	0.437	0.557	1.000	11.1	14.1	25.4	250
EC 0456X1500	BLACK	0.456	0.556	1.500	11.6	14.1	38.1	250
EC 0468X1000	BLACK	0.468	0.588	1.000	11.9	14.9	25.4	250
EC 0500X1500	BLACK	0.500	0.620	1.500	12.7	15.7	38.1	250
EC 0535X1500	BLACK	0.535	0.635	1.500	13.6	16.1	38.1	250
EC 0535X3000	BLACK	0.535	0.655	3.000	13.6	16.6	76.2	250
EC 0600X1500	BLACK	0.600	0.708	1.500	15.2	18.0	38.1	250
EC 0625X1500	BLACK	0.625	0.745	1.500	15.9	18.9	38.1	250
EC 0750X1500	BLACK	0.750	0.870	1.500	19.1	22.1	38.1	100
EC 0812X1500	BLACK	0.812	0.932	1.500	20.6	23.7	38.1	100
EC 0875X1500	BLACK	0.875	0.995	1.500	22.2	25.2	38.1	100
EC 1000X2000	BLACK	1.000	1.120	2.000	25.4	28.4	50.8	100
EC 1062X2000	BLACK	1.062	1.182	2.000	27.0	30.0	50.8	100
EC 1125X1500	BLACK	1.125	1.245	1.500	28.6	31.6	38.1	100
EC 1250X1500	BLACK	1.250	1.370	1.500	31.8	34.8	38.1	100
EC 1500X1750	BLACK	1.500	1.620	1.750	38.1	41.1	44.5	50
EC 1625X2000	BLACK	1.625	1.745	2.000	41.3	44.3	50.8	50
EC 1750X2000	BLACK	1.750	1.870	2.000	44.5	47.5	50.8	50
EC 1875X2000	BLACK	1.875	1.995	2.000	47.6	50.7	50.8	50
EC 2000X2000	BLACK	2.000	2.120	2.000	50.8	53.8	50.8	25

Current pricing and additional sizes available at www.epsi.com

SC SERIES - SILICONE CAPS





PRODUCT DESCRIPTION

Our Silicone Cap (SC) product line is the industry standard for general masking applications. Their versatile nature allows them to fit over extensions, threaded studs, PEMS and dowels, as well as be used as a plug for tapped holes, irregular contours and threaded holes. Our high temperature silicone is specially formulated for reusability

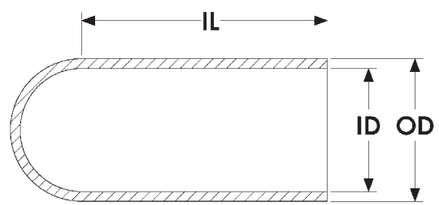
TYPICAL APPLICATIONS

Used as a cap over threaded studs, dowels, and protrusions. Used as a plug for tapped holes, irregular contours and threaded holes

CAUTION: Due to the low tear resistance of silicone, do not use pliers or other sharp tools for removal. (See EC Caps for higher tear resistance caps)

HELPFUL HINTS

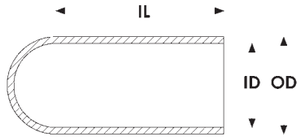
- When sizing parts as a cap, the ID of the cap should be 2 - 5% smaller than the stud diameter
- To ensure easy removal, select a cap length that is slightly longer than the masking length of the stud. This is especially important if the cap ID is less than 5% of the stud diameter
- When sizing parts as a plug, the OD should be at least 7% larger than the hole diameter
- If used to cover tube ends in powder coating, a small slit in the top of the cap will prevent blow off. (See EZY™ Caps)
- Can Be Used as Both Cap and as a Plug
- Flexible Enough to Conform to Irregular Geometry
- Round Top Profile Allows for Easy Insertion Into Holes
- Silicone Caps are Reusable and Will Not Melt or Harden
- Color Coded for Increased Visibility and Easy Sorting During Reuse



TECHNICAL DIAGRAM KEY

ID	Inner Diameter
OD	Outer Diameter
IL	Inner Length

SC SERIES (CONTINUED)



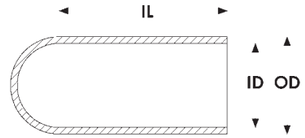
TECHNICAL DIAGRAM KEY

ID	Inner Diameter
OD	Outer Diameter
IL	Inner Length

PART NUMBER	COLOR	ID (in)	OD (in)	IL (in)	ID (mm)	OD (mm)	IL (mm)	PCS/ BAG
SC 0020X0500-R	RED	0.020	0.080	0.500	0.5	2.0	12.7	1000
SC 0028X0500-C	CLEAR	0.028	0.088	0.500	0.7	2.2	12.7	1000
SC 0035X0500-W	WHITE	0.035	0.095	0.500	0.9	2.4	12.7	1000
SC 0040X0750-U	BLUE	0.040	0.130	0.750	1.0	3.3	19.1	1000
SC 0062X0750-L	YELLOW	0.062	0.152	0.750	1.6	3.9	19.1	1000
SC 0070X1000-G	GREEN	0.070	0.160	1.000	1.8	4.1	25.4	1000
SC 0080X0750-O	ORANGE	0.080	0.200	0.750	2.0	5.1	19.1	1000
SC 0093X0500-N	PINK	0.093	0.213	0.500	2.4	5.4	12.7	1000
SC 0093X0750-N	PINK	0.093	0.193	0.750	2.4	4.9	19.1	1000
SC 0100X0500-G	GREEN	0.100	0.200	0.500	2.5	5.1	12.7	1000
SC 0100X1000-G	GREEN	0.100	0.200	1.000	2.5	5.1	25.4	1000
SC 0109X0500-L	YELLOW	0.109	0.229	0.500	2.8	5.8	12.7	1000
SC 0109X0750-Y	GREY	0.109	0.209	0.750	2.8	5.3	19.1	1000
SC 0125X0500-U	BLUE	0.125	0.225	0.500	3.2	5.7	12.7	1000
SC 0125X1000-B	BLACK	0.125	0.225	1.000	3.2	5.7	25.4	1000
SC 0125X1000-L	YELLOW	0.125	0.225	1.000	3.2	5.7	25.4	1000
SC 0125X1500	CLEAR	0.125	0.245	1.500	3.2	6.2	38.1	1000
SC 0135X0625	CLEAR	0.135	0.255	0.625	3.4	6.5	15.9	1000
SC 0140X0250-W	WHITE	0.140	0.260	0.250	3.6	6.6	6.4	1000
SC 0140X0500	CLEAR	0.140	0.260	0.500	3.6	6.6	12.7	1000
SC 0140X1000-W	WHITE	0.140	0.260	1.000	3.6	6.6	25.4	1000
SC 0140X1500	CLEAR	0.140	0.260	1.500	3.6	6.6	38.1	1000
SC 0148X0500-N	PINK	0.148	0.268	0.500	3.8	6.8	12.7	1000
SC 0148X0750-N	PINK	0.148	0.268	0.750	3.8	6.8	19.1	1000
SC 0148X1000-N	PINK	0.148	0.268	1.000	3.8	6.8	25.4	1000
SC 0156X0500-G	GREEN	0.156	0.276	0.500	4.0	7.0	12.7	1000
SC 0156X1000-L	YELLOW	0.156	0.276	1.000	4.0	7.0	25.4	1000
SC 0172X0500-Y	GREY	0.172	0.292	0.500	4.4	7.4	12.7	1000
SC 0172X1000-U	BLUE	0.172	0.292	1.000	4.4	7.4	25.4	1000
SC 0172X1500-U	BLUE	0.172	0.292	1.500	4.4	7.4	38.1	1000
SC 0180X1000-B	BLACK	0.180	0.300	1.000	4.6	7.6	25.4	1000
SC 0187X0500-W	WHITE	0.187	0.307	0.500	4.7	7.8	12.7	1000
SC 0187X1000	CLEAR	0.187	0.307	1.000	4.7	7.8	25.4	1000
SC 0187X1500	CLEAR	0.187	0.307	1.500	4.7	7.8	38.1	1000
SC 0197X0500-Z	BROWN	0.197	0.317	0.500	5.0	8.1	12.7	1000
SC 0218X1000-Y	GREY	0.218	0.338	1.000	5.5	8.6	25.4	1000
SC 0223X0500-N	PINK	0.223	0.343	0.500	5.7	8.7	12.7	1000

Current pricing and additional sizes available at www.epsi.com

SC SERIES (CONTINUED)



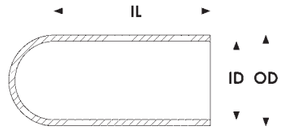
TECHNICAL DIAGRAM KEY

ID	Inner Diameter
OD	Outer Diameter
IL	Inner Length

PART NUMBER	COLOR	ID (in)	OD (in)	IL (in)	ID (mm)	OD (mm)	IL (mm)	PCS/ BAG
SC 0223X0750-U	BLUE	0.223	0.343	0.750	5.7	8.7	19.1	1000
SC 0223X1000-N	PINK	0.223	0.343	1.000	5.7	8.7	25.4	1000
SC 0223X1500-N	PINK	0.223	0.343	1.500	5.7	8.7	38.1	1000
SC 0234X0500-G	GREEN	0.234	0.354	0.500	5.9	9.0	12.7	1000
SC 0234X0787-G	GREEN	0.234	0.354	0.787	5.9	9.0	20.0	1000
SC 0234X1000-G	GREEN	0.234	0.354	1.000	5.9	9.0	25.4	1000
SC 0234X1500-L	YELLOW	0.234	0.354	1.500	5.9	9.0	38.1	1000
SC 0250X1000-Y	GREY	0.250	0.370	1.000	6.4	9.4	25.4	1000
SC 0250X1500	CLEAR	0.250	0.370	1.500	6.4	9.4	38.1	1000
SC 0260X1000-O	ORANGE	0.260	0.380	1.000	6.6	9.7	25.4	500
SC 0281X1000-U	BLUE	0.281	0.401	1.000	7.1	10.2	25.4	500
SC 0281X1000	CLEAR	0.281	0.401	1.000	7.1	10.2	25.4	500
SC 0295X0500-B	BLACK	0.295	0.415	0.500	7.5	10.5	12.7	500
SC 0295X0750-B	BLACK	0.295	0.415	0.750	7.5	10.5	19.1	500
SC 0295X1000-B	BLACK	0.295	0.415	1.000	7.5	10.5	25.4	500
SC 0295X1500-B	BLACK	0.295	0.415	1.500	7.5	10.5	38.1	500
SC 0312X1000-W	WHITE	0.312	0.432	1.000	7.9	11.0	25.4	500
SC 0312X1500-N	PINK	0.312	0.432	1.500	7.9	11.0	38.1	500
SC 0312X2000-W	WHITE	0.312	0.432	2.000	7.9	11.0	50.8	500
SC 0340X1000-P	PURPLE	0.340	0.460	1.000	8.6	11.7	25.4	500
SC 0340X2000	CLEAR	0.340	0.460	2.000	8.6	11.7	50.8	500
SC 0355X1000	CLEAR	0.355	0.475	1.000	9.0	12.1	25.4	500
SC 0355X1500-G	GREEN	0.355	0.475	1.500	9.0	12.1	38.1	500
SC 0366X1500-R	RED	0.366	0.486	1.500	9.3	12.3	38.1	500
SC 0375X0750-L	YELLOW	0.375	0.495	0.750	9.5	12.6	19.1	500
SC 0375X1000-L	YELLOW	0.375	0.495	1.000	9.5	12.6	25.4	500
SC 0375X1500-Y	GREY	0.375	0.495	1.500	9.5	12.6	38.1	500
SC 0406X1000-U	BLUE	0.406	0.526	1.000	10.3	13.4	25.4	250
SC 0437X1000-B	BLACK	0.437	0.557	1.000	11.1	14.1	25.4	250
SC 0456X0500	CLEAR	0.456	0.556	0.500	11.6	14.1	12.7	250
SC 0456X1500	CLEAR	0.456	0.556	1.500	11.6	14.1	38.1	250
SC 0468X1000-W	WHITE	0.468	0.588	1.000	11.9	14.9	25.4	250
SC 0480X1500-N	PINK	0.480	0.600	1.500	12.2	15.2	38.1	250
SC 0500X1500-G	GREEN	0.500	0.620	1.500	12.7	15.7	38.1	250
SC 0535X1500-U	BLUE	0.535	0.635	1.500	13.6	16.1	38.1	250
SC 0535X1500	CLEAR	0.535	0.635	1.500	13.6	16.1	38.1	250

Current pricing and additional sizes available at www.epsi.com

SC SERIES (CONTINUED)



TECHNICAL DIAGRAM KEY

ID	Inner Diameter
OD	Outer Diameter
IL	Inner Length

PART NUMBER	COLOR	ID (in)	OD (in)	IL (in)	ID (mm)	OD (mm)	IL (mm)	PCS/ BAG
SC 0535X3000	CLEAR	0.535	0.655	3.000	13.6	16.6	76.2	250
SC 0562X1500	CLEAR	0.562	0.682	1.500	14.3	17.3	38.1	250
SC 0590X4720	CLEAR	0.590	0.710	4.720	15.0	18.0	119.9	100
SC 0600X1500	CLEAR	0.600	0.708	1.500	15.2	18.0	38.1	250
SC 0625X1125	CLEAR	0.625	0.745	1.125	15.9	18.9	28.6	250
SC 0625X1500	CLEAR	0.625	0.745	1.500	15.9	18.9	38.1	250
SC 0625X2500	CLEAR	0.625	0.745	2.500	15.9	18.9	63.5	250
SC 0687X1000	CLEAR	0.687	0.807	1.000	17.4	20.5	25.4	100
SC 0687X1500	CLEAR	0.687	0.807	1.500	17.4	20.5	38.1	100
SC 0730X1500	CLEAR	0.730	0.850	1.500	18.5	21.6	38.1	100
SC 0750X1500	CLEAR	0.750	0.870	1.500	19.1	22.1	38.1	100
SC 0750X3500	CLEAR	0.750	0.870	3.500	19.1	22.1	88.9	100
SC 0780X1500	CLEAR	0.780	0.900	1.500	19.8	22.9	38.1	100
SC 0812X1500	CLEAR	0.812	0.932	1.500	20.6	23.7	38.1	100
SC 0875X1500	CLEAR	0.875	0.995	1.500	22.2	25.3	38.1	100
SC 0937X1500	CLEAR	0.937	1.057	1.500	23.8	26.8	38.1	100
SC 0970X1500	CLEAR	0.970	1.090	1.500	24.6	27.7	38.1	100
SC 0970X4000	CLEAR	0.970	1.090	4.000	24.6	27.7	101.6	100
SC 1000X1500	CLEAR	1.000	1.120	1.500	25.4	28.4	38.1	100
SC 1000X2000	CLEAR	1.000	1.120	2.000	25.4	28.4	50.8	100
SC 1062X2000	CLEAR	1.062	1.182	2.000	27.0	30.0	50.8	100
SC 1125X1500	CLEAR	1.125	1.245	1.500	28.6	31.6	38.1	100
SC 1187X1500	CLEAR	1.187	1.307	1.500	30.1	33.2	38.1	100
SC 1250X1500	CLEAR	1.250	1.370	1.500	31.8	34.8	38.1	100
SC 1350X1500	CLEAR	1.350	1.470	1.500	34.3	37.3	38.1	100
SC 1350X1750	CLEAR	1.350	1.470	1.750	34.3	37.3	44.5	100
SC 1380X1000	CLEAR	1.380	1.500	1.000	35.1	38.1	25.4	50
SC 1500X1000	CLEAR	1.500	1.620	1.000	38.1	41.1	25.4	50
SC 1500X1500	CLEAR	1.500	1.620	1.500	38.1	41.1	38.1	50
SC 1500X1750	CLEAR	1.500	1.620	1.750	38.1	41.1	44.5	50
SC 1625X2000	CLEAR	1.625	1.745	2.000	41.3	44.3	50.8	50
SC 1750X1500	CLEAR	1.750	1.870	1.500	44.5	47.5	38.1	50
SC 1750X2000	CLEAR	1.750	1.870	2.000	44.5	47.5	50.8	50
SC 1875X2000	CLEAR	1.875	1.995	2.000	47.6	50.7	50.8	50
SC 2000X2000	CLEAR	2.000	2.120	2.000	50.8	53.8	50.8	25

Current pricing and additional sizes available at www.epsi.com

CON SERIES - CONE & CONS CAPS



PRODUCT DESCRIPTION

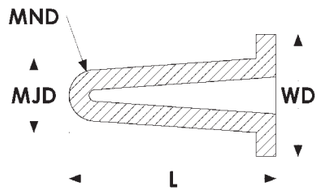
Our Cone Cap (CON) product line is an alternative to our Washer Cap (WC) product line when masking off holes or studs and a surrounding surface for grounding. Their versatile nature allows them to fit over extrusions, threaded studs, PEMS and dowels, as well as to be used as a plug for tapped holes, irregular contours and threaded holes. Our high temperature silicone (CONS) is specially formulated to ensure stability at elevated temperatures, ensuring reliable masking with every part. Our high temperature EPDM (CONE) is specially formulated to be chemically resistent and ensures reusability and economy during masking

TYPICAL APPLICATIONS

Used as a cap over threaded studs, dowels, and protrusions. Used as a plug for tapped holes, irregular contours and threaded holes

HELPFUL HINTS

- Versatile enough to be used as caps, stoppers or plugs in any variety of applications
- When sizing parts as a cap, the ID of the cap should be 2 - 5% smaller than the stud diameter
- To ensure easy removal, select a cap length that is at least 1/4” longer than the masking length of the stud. This is especially important if the cap ID is less than 5% of the stud diameter
- Conical Profile Allows for Easy Insertion as a Plug
- Washer Feature Creates a Grounding Area Around Holes and Studs
- Will Fit Multiple Diameter Threads When Used as a Cap
- Flexible Enough to Conform to Irregular Geometry and Great For Square Holes
- Silicone Cone Caps are Reusable, and Will Not Melt or Harden
- When sizing parts as a plug, the MJD (major diameter) should be 2 - 5% larger then the ID of the hole you are plugging



TECHNICAL DIAGRAM KEY	
MJD	Major Diameter
MND	Minor Diameter
WD	Washer Diameter
L	Length

EPDM CONE SERIES

- 475°F (245°C)

PART NUMBER	COLOR	MJD (in)	MND (in)	WD (in)	L (in)	MJD (mm)	MND (mm)	WD (mm)	L (mm)	PCS/BAG
CONE 00613-B	BLACK	0.250	0.071	0.500	0.906	6.3	1.8	12.7	23.0	500
CONE 00813-B	BLACK	0.316	0.099	0.500	1.000	8.0	2.5	12.7	25.4	500
CONE 00916-B	BLACK	0.335	0.111	0.625	1.000	8.5	2.8	15.9	25.4	500
CONE 01017-B	BLACK	0.394	0.137	0.650	1.102	10.0	3.5	16.5	28.0	500
CONE 01116-B	BLACK	0.400	0.139	0.635	1.100	10.1	3.5	16.1	27.9	250
CONE 01419-B	BLACK	0.551	0.199	0.750	1.417	14.0	5.1	19.1	36.0	250
CONE 01725-B	BLACK	0.689	0.266	0.980	1.500	17.5	6.6	24.9	38.1	250
CONE 02028-B	BLACK	0.767	0.270	1.100	2.009	19.5	6.9	27.9	51.0	100
CONE 02125-B	BLACK	0.819	0.304	1.000	1.929	20.8	7.7	25.4	49.0	100
CONE 02231-B	BLACK	0.866	0.317	1.220	2.087	22.0	8.1	31.0	53.0	100

SILICONE CONS SERIES

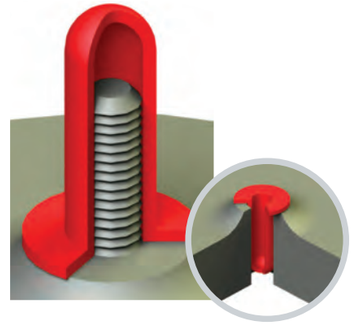
- 600°F (315°C)

PART NUMBER	COLOR	MJD (in)	MND (in)	WD (in)	L (in)	MJD (mm)	MND (mm)	WD (mm)	L (mm)	PCS/BAG
CONS 00613-C	CLEAR	0.250	0.071	0.500	0.906	6.4	1.8	12.7	23.0	500
CONS 00813-F	RUSTY	0.316	0.099	0.500	1.000	8.0	2.5	12.7	25.4	500
CONS 00916-L	YELLOW	0.335	0.111	0.625	1.000	8.5	2.8	15.9	25.4	500
CONS 01017-Z	BROWN	0.394	0.137	0.650	1.102	10.0	3.5	16.5	28.0	500
CONS 01116-C	CLEAR	0.400	0.139	0.635	1.100	10.2	3.5	16.1	27.9	250
CONS 01419-B	BLACK	0.551	0.199	0.750	1.417	14.0	5.1	19.1	36.0	250
CONS 01725-G	GREEN	0.689	0.266	0.980	1.500	17.5	6.8	24.9	38.1	250
CONS 02028-U	BLUE	0.767	0.270	1.100	2.009	19.5	6.9	27.9	51.0	100
CONS 02125-R	RED	0.819	0.304	1.000	1.929	20.8	7.7	25.4	49.0	100
CONS 02231-P	PURPLE	0.866	0.317	1.220	2.087	22.0	8.1	31.0	53.0	100

Current pricing and additional sizes available at www.epsi.com

WC SERIES - WASHER CAPS





PRODUCT DESCRIPTION

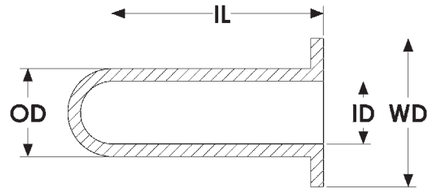
Our Washer Cap (WC) product line is the clear choice when masking off holes or studs and the surrounding surfaces for grounding. Their versatile nature allow them to fit over extrusions, threaded studs, PEMS and dowels, as well as to be used as a plug for tapped holes, irregular contours and threaded holes. Our high temperature silicone is specially formulated to ensure stability at elevated temperatures

TYPICAL APPLICATIONS

Used as a cap over threaded studs, dowels and protrusions. Used as a plug for tapped holes, irregular contours and threaded holes. The washer feature creates a grounding area around holes and studs

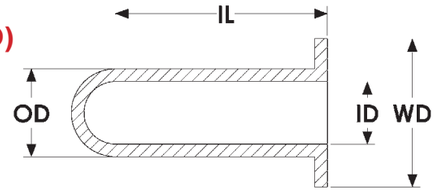
HELPFUL HINTS

- For other washer diameters, EPSI can die-cut a silicone foam donut shaped washer or donut tape die-cut to be used under the cap
- SC-series caps can be nested inside the washer cap to create smaller ID's
- Can Be Used as Both a Cap and as a Plug
- Washer Feature Creates a Grounding Area Around Holes and Studs
- Flexible Enough to Conform to Irregular Geometry
- Washer Feature Creates Area Free from Powder for Assembly Purposes
- When sizing as cap select an ID that is 2-3% smaller than the stud
- When sizing as a plug select an OD that is 5-7% larger than the hole



TECHNICAL DIAGRAM KEY	
ID	Inner Diameter
OD	Outer Diameter
IL	Inner Length
WD	Washer Diameter

WC SERIES (CONTINUED)



TECHNICAL DIAGRAM KEY

ID	Inner Diameter
OD	Outer Diameter
IL	Inner Length
WL	Washer Diameter

PART NUMBER	COLOR	ID (in)	OD (in)	IL ()in)	WD (in)	ID (mm)	OD (mm)	IL (mm)	WD (mm)	PCS/ BAG
WC 0106X0472-G	GREEN	0.106	0.246	1.000	0.472	2.7	6.2	25.4	12.0	500
WC 0125X0500	CLEAR	0.125	0.265	1.000	0.500	3.2	6.7	25.4	12.7	500
WC 0140X0500	CLEAR	0.140	0.320	1.000	0.500	3.6	8.1	25.4	12.7	500
WC 0146X0472-N	PINK	0.146	0.266	1.000	0.472	3.7	6.8	25.4	12.0	500
WC 0156X0500	CLEAR	0.156	0.316	1.000	0.500	4.0	8.0	25.4	12.7	500
WC 0172X0500	CLEAR	0.172	0.372	1.000	0.500	4.4	9.4	25.4	12.7	500
WC 0180X0600-G	GREEN	0.180	0.320	1.000	0.600	4.6	8.1	25.4	15.2	500
WC 0220X0590-R	RED	0.220	0.360	1.000	0.590	5.6	9.1	25.4	15.0	500
WC 0220X0787	CLEAR	0.220	0.340	1.000	0.787	5.6	8.6	25.4	20.0	500
WC 0240X0500-F	RUSTY	0.240	0.360	1.000	0.500	6.1	9.1	25.4	12.7	250
WC 0295X0700-B	BLACK	0.295	0.435	1.000	0.700	7.5	11.0	25.4	17.8	250
WC 0300X0675	CLEAR	0.300	0.420	1.000	0.675	7.6	10.7	25.4	17.1	250
WC 0354X0787-N	PINK	0.354	0.474	1.000	0.787	9.0	12.0	25.4	20.0	250
WC 0375X0825-L	YELLOW	0.375	0.495	1.000	0.825	9.5	12.6	25.4	21.0	250
WC 0453X0984	CLEAR	0.453	0.653	1.500	0.984	11.5	16.6	38.1	25.0	250
WC 0460X0700	CLEAR	0.460	0.580	1.000	0.700	11.7	14.7	25.4	17.8	250
WC 0500X1000	CLEAR	0.500	0.620	1.000	1.000	12.7	15.7	25.4	25.4	250
WC 0615X1180-F	RUSTY	0.615	0.800	1.500	1.180	15.6	20.3	38.1	30.0	250
WC 0780X1475-Y	GREY	0.780	0.980	1.500	1.475	19.8	24.9	38.1	37.4	250

Current pricing and additional sizes available at www.epsi.com

EZY SERIES - EASY CAPS





PRODUCT DESCRIPTION

Our Easy Cap (EZY™) product line is the best choice when masking off threaded studs or protrusions. Many EZY™ caps are molded with an air vent, which acts as a relief valve for applications where internal pressure is a problem. All EZY™ caps feature an oversized head and a unique internal gripping design, which makes application and removal easy

TYPICAL APPLICATIONS

Use as a cap over threaded studs, dowels and protrusions or as a plug for larger bores and through holes

HELPFUL HINTS

- If internal pressure is causing blow-offs, place a slit in or remove the nipple. This will allow for venting of internal pressure. (Not recommended for immersion coatings)
- Due to the internal ring, a much smaller ID can be used compared to a standard cap
- Size at least 10% less than the stud OD
- EZY™ Caps are Ideal for Large Diameter or Long Length Products
- Specially Designed Internal Ring Allows for Easy Placement and a Liquid-Tight Seal
- Oversized Head for Easy Removal
- Many Sizes Available with Built-in Air-Vent to Eliminate the Effects of Pressure Build-Up
- EZY™ Caps are Reusable and Will Not Melt or Harden
- EZY™ Caps Offer Fine Line Masking

HERE'S WHY YOU SHOULD USE EPSI'S EZY



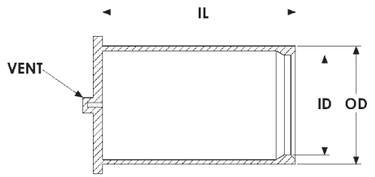
Friction fit causes suction, making cap difficult to remove (cap may have to be cut off)

Cut here if venting is needed

Oversized head and limited friction (gripping ring) make for quick masking & de-masking



EZY SERIES (CONTINUED)



TECHNICAL DIAGRAM KEY

ID	Inner Diameter
OD	Outer Diameter
IL	Inner Length

PART NUMBER	COLOR	ID (in)	OD (in)	IL (in)	ID (mm)	OD (mm)	IL (mm)	PCS/ BAG
EZY 0187X1377-F	RUSTY	0.187	0.427	1.377	4.7	10.8	35.0	500
EZY 0236X1180-F	RUSTY	0.236	0.476	1.180	6.0	12.1	30.0	250
EZY 0294X1330-F	RUSTY	0.294	0.534	1.330	7.5	13.6	33.8	250
EZY 0375X1421-F	RUSTY	0.375	0.615	1.421	9.5	15.6	36.1	250
EZY 0433X1180-F	RUSTY	0.433	0.673	1.180	11.0	17.1	30.0	250
EZY 0456X2000-F	RUSTY	0.456	0.732	2.000	11.6	18.6	50.8	250
EZY 0687X1180-F	RUSTY	0.687	0.977	1.180	17.4	24.8	30.0	100
EZY 0906X3500-F	RUSTY	0.906	1.146	3.500	23.0	29.1	88.9	50
EZY 1125X5000-F	RUSTY	1.125	1.365	5.000	28.6	34.7	127.0	50
EZY 1288X2500-F	RUSTY	1.288	1.528	2.500	32.7	38.8	63.5	50
EZY 2250X1920-F	RUSTY	2.250	2.490	1.920	57.2	63.2	48.8	25
EZY 2500X2420-F	RUSTY	2.500	2.740	2.420	63.5	69.6	61.5	25
EZY 2750X2670-F	RUSTY	2.750	2.990	2.670	69.9	75.9	67.8	25
EZY 3000X2920	CLEAR	3.000	3.240	2.920	76.2	82.3	74.2	25

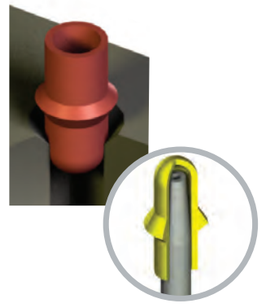
NEW SIZES!

PART NUMBER	COLOR	ID (in)	OD (in)	IL (in)	ID (mm)	OD (mm)	IL (mm)	PCS/ BAG
EZY 0102X0813-R	RED	0.102	0.260	0.813	2.6	6.6	20.7	500
EZY 0126X0813-O	ORANGE	0.126	0.386	0.813	3.2	9.8	20.7	500
EZY 0143X1063-L	YELLOW	0.143	0.386	1.063	3.6	9.8	27.0	500
EZY 0173X1563-U	BLUE	0.173	0.451	1.563	4.4	11.5	39.7	500
EZY 0288X1563-B	BLACK	0.288	0.515	1.563	7.3	13.1	39.7	250
EZY 0407X1250-R	RED	0.407	0.640	1.250	10.3	16.3	31.8	250
EZY 0349X1563-W	WHITE	0.349	0.579	1.563	8.9	14.7	39.7	250
EZY 0529X1563-L	YELLOW	0.529	0.708	1.563	13.4	18.0	39.7	100
EZY 0665X1563-P	PURPLE	0.665	0.896	1.563	16.9	22.8	39.7	100
EZY 0518X2063-O	ORANGE	0.518	0.769	2.063	13.2	19.5	52.4	50
EZY 0823X1563-B	BLACK	0.823	1.020	1.563	20.9	25.9	39.7	50
EZY 0898X1563-W	WHITE	0.898	1.085	1.563	22.8	27.6	39.7	50
EZY 0588X2563-G	GREEN	0.588	0.833	2.563	14.9	21.2	65.1	50
EZY 1080X1563-R	RED	1.080	1.280	1.563	27.4	32.5	39.7	50
EZY 1134X1563-O	ORANGE	1.134	1.338	1.563	28.8	34.0	39.7	50
EZY 1247X1563-L	YELLOW	1.247	1.459	1.563	31.7	37.1	39.7	50
EZY 1375X2063-G	GREEN	1.375	1.585	2.063	34.9	40.3	52.4	50
EZY 1455X2063-U	BLUE	1.455	1.650	2.063	37.0	41.9	52.4	50

Current pricing and additional sizes available at www.epsi.com

FCS SERIES - FLANGED CAPS





PRODUCT DESCRIPTION

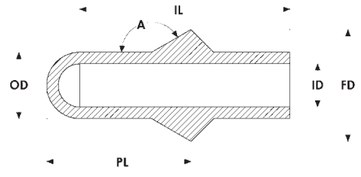
FCS caps are ideal for masking around lead-in chamfer of threaded holes. hollow design ensures easy insertion. Use in conjunction with a dowel or other insertion tool for easy application. FCS caps are reusable and will not melt or harden

HELPFUL HINTS

- Alternative to many Silicone Cap (SC) sizes
- When sizing parts as a cap, the ID of the cap should be 2 - 5% smaller than the stud diameter

TYPICAL APPLICATIONS

Used as a plug in threaded holes and chamfered holes. Can also be used as a substitute for an equivalent silicone cap



TECHNICAL DIAGRAM KEY

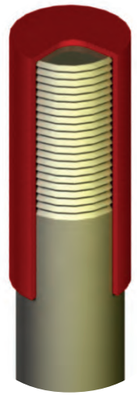
ID	Inner Diameter
OD	Outer Diameter
FD	Flange Diameter
IL	Inner Length
PL	Plug Length
A	Angle

PART NUMBER	COLOR	ID (in)	OD (in)	FD (in)	IL (in)	PL (in)	A	ID (mm)	OD (mm)	FD (mm)	IL (mm)	PL (mm)	PCS/ BAG
FCS 012031-L	YELLOW	0.173	0.291	0.472	0.748	0.472	150°	4.4	7.4	12.0	19.0	12.0	250
FCS 015032-N	PINK	0.224	0.343	0.579	0.748	0.579	150°	5.7	8.7	14.7	19.0	14.7	250
FCS 016033-C	CLEAR	0.303	0.421	0.622	0.748	0.622	150°	7.7	10.7	15.8	19.0	15.8	250
FCS 018034-Y	GREY	0.421	0.539	0.709	0.748	0.709	150°	10.7	13.7	18.0	19.0	18.0	250

Current pricing and additional sizes available at www.epsi.com

FSC SERIES - FLANGED SILICONE CAPS





PRODUCT DESCRIPTION

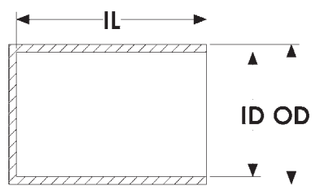
Our Flat Silicone Cap (FSC) product line is an alternative to our Silicone Cap (SC) product line for capping applications. Their versatile nature allows them to fit over extrusions, threaded studs, PEMS and dowels. Our high temperature Silicone is specially formulated for reusability and economy during masking

TYPICAL APPLICATIONS

Use as a cap over threaded studs, dowels and protrusions. Can also be used as a plug for larger bores and through holes.

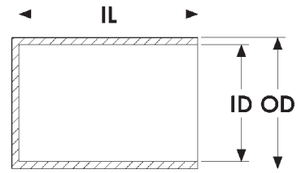
HELPFUL HINTS

- Alternate to many Silicone Cap (SC) sizes
- When sizing parts as a cap, the ID of the cap should be 2 - 5% smaller than the stud diameter
- Reduces Creepage in Applications Where Temperature Changes Rapidly
- Flexible Enough to Conform to Irregular Geometry
- Flat Top Aids Application and Minimizes Air Trap
- Flat Silicone Caps are Reusable and Will Not Melt or Harden



TECHNICAL DIAGRAM KEY	
ID	Inner Diameter
OD	Outer Diameter
IL	Inner Length

FSC SERIES (CONTINUED)



TECHNICAL DIAGRAM KEY	
ID	Inner Diameter
OD	Outer Diameter
IL	Inner Length

PART NUMBER	COLOR	ID (in)	OD (in)	IL (in)	ID (mm)	OD (mm)	IL (mm)	PCS/ BAG
FSC 0070X1000-F	RUSTY	0.070	0.190	1.000	1.8	4.8	25.4	1000
FSC 0100X1000-F	RUSTY	0.100	0.220	1.000	2.5	5.6	25.4	1000
FSC 0100X1120-C	CLEAR	0.100	0.220	1.120	2.5	5.6	28.4	1000
FSC 0120X0400-C	CLEAR	0.120	0.240	0.400	3.0	6.1	10.1	1000
FSC 0148X1000-F	RUSTY	0.148	0.268	1.000	3.8	6.8	25.4	1000
FSC 0175X1000-F	RUSTY	0.175	0.295	1.000	4.4	7.5	25.4	1000
FSC 0223X1500-F	RUSTY	0.223	0.343	1.500	5.7	8.7	38.1	1000
FSC 0355X1500-F	RUSTY	0.355	0.475	1.500	9.0	12.1	38.1	500
FSC 0375X1500-F	RUSTY	0.375	0.495	1.500	9.5	12.6	38.1	500
FSC 0456X1500-F	RUSTY	0.456	0.576	1.500	11.6	14.6	38.1	500
FSC 0515X0728-C	CLEAR	0.515	0.635	0.728	13.1	16.1	18.5	250
FSC 0535X1500-F	RUSTY	0.535	0.655	1.500	13.6	16.6	38.1	250
FSC 0600X1500-F	RUSTY	0.600	0.720	1.500	15.2	18.3	38.1	250
FSC 0640X2000-B	BLACK	0.640	0.760	2.000	16.3	19.3	50.8	250
FSC 0730X1500-F	RUSTY	0.730	0.850	1.500	18.5	21.6	38.1	250
FSC 0736X0728-C	CLEAR	0.736	0.856	0.728	18.7	21.7	18.5	250
FSC 0855X1500-F	RUSTY	0.855	0.975	1.500	21.7	24.8	38.1	250
FSC 0980X1500-F	RUSTY	0.980	1.100	1.500	24.9	27.9	38.1	250
FSC 1106X0905-C	CLEAR	1.106	1.226	0.905	28.1	31.1	23.0	250
FSC 1291X0905-C	CLEAR	1.291	1.449	0.905	32.8	36.8	23.0	100
FSC 1555X1102-C	CLEAR	1.555	1.675	1.102	39.5	42.5	28.0	100
FSC 1772X0670-R	RED	1.772	2.126	0.670	45.0	54.0	17.0	100
FSC 1850X1102-C	CLEAR	1.850	1.970	1.102	47.0	50.0	28.0	100

Current pricing and additional sizes available at www.epsi.com

MLC SERIES - MULTI LENGTH CAPS



PRODUCT DESCRIPTION

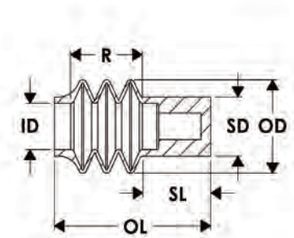
The MLC caps are intended to mask the most common stud or threaded stud diameters, with one cap capable of masking various lengths of stud or threaded stud. They are intended to take the place of regular silicone caps

HELPFUL HINTS

- Convenient: They reduce inventory, take up less floor space, and require less logistics because one cap covers a multitude of stud or threaded stud lengths
- Durable: Made of durable, high temperature resistant silicone for repeated use
- Versatile: Each cap can replace between two and up to four standard silicone caps from the EPSI catalog
- Innovative: Installation & removal of the caps are facilitated by a generous handle
- When sizing as a cap, ID should be 5-7% smaller than stud

TYPICAL APPLICATION

Made for various stud lengths.Use where pressure build up and blow off need to be minimized. Minimize customer inventory



TECHNICAL DIAGRAM KEY	
OL	Outer Length
IL	Inner Length
ID	Inner Diameter
OD	Outter Diameter
R	Range
SL	Stem Length
SD	Stem Diameter

PART NUMBER	COLOR	ID	R MIN	R MAX	OL	SL	SD	OD	PCS/BAG
MLC 0234X1500-SP	PURPLE	0.234	0.50	1.50	1.593	0.691	0.359	0.776	200
MLC 0295X1500-SR	RED	0.295	0.50	1.50	1.593	0.691	0.420	0.837	150
MLC 0340X2000-SO	ORANGE	0.340	1.00	2.00	1.593	0.691	0.535	0.882	100
MLC 0406X1500-SL	YELLOW	0.406	1.00	1.50	1.593	0.691	0.531	0.869	100
MLC 0456X1500-SG	GREEN	0.456	0.50	1.50	1.593	0.691	0.581	0.919	100

Current pricing and additional sizes available at www.epsi.com

MBM SERIES - MULTI BALLOON MASK



PRODUCT DESCRIPTION

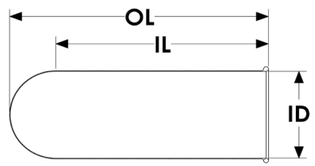
MBM caps are made for especially difficult or unusually large geometry. They are a thin-walled disposable silicone cap that can withstand typical finish curing heat

HELPFUL HINTS

- An incredible stretch rate – 150%! That means so many more shapes and sizes can be masked with only one MBM
- Five balloon masks replace 30+ standard silicone caps
- The five balloon masks collectively stretch from ¾” to 17”
- Convenient: Easy to use – just slip it over a part
- Durable: Made of thin, soft, high temperature resistant silicone
- Innovative: During the hot curing process, the balloon masks will inflate before they pop off of the part being masked
- Perfect Fit: bead molded into the bottom of each cap allows for a tighter fit around the part being masked
- Fast & Easy: Very effective for relatively larger parts that aren’t necessarily round
- Undersize 10-15% to start
- Roll it up for easier application and removal

TYPICAL APPLICATION

Conforms to irregular shapes, perfect for job shops. Thin membrane allows one cap to fit multiple diameters and profiles



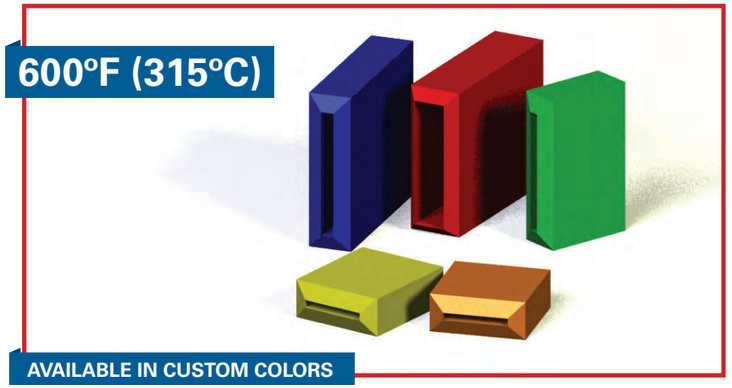
TECHNICAL DIAGRAM KEY	
OL	Overall Length
IL	Inner Length
ID	Inner Diameter

PART NUMBER	COLOR	ID	IL	OL	ID MAX*	PCS/BAG
MBM 0500X1500-SR	RED	0.500	1.500	1.750	1.25	150
MBM 0750X2250-SO	ORANGE	0.750	2.250	2.625	1.75	100
MBM 1375X4000-SL	YELLOW	1.375	4.000	4.688	3.50	20
MBM 3000X7000-SG	GREEN	3.000	7.000	8.500	7.25	10
MBM 6750X7000-SU	BLUE	6.750	7.000	10.375	17.00	5

** For Reference Only - Results May Vary*

Current pricing and additional sizes available at www.epsi.com

REC SERIES - RECTANGLE CAPS



PRODUCT DESCRIPTION

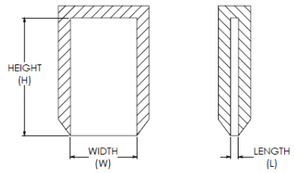
The thin, Rectangular profile of our REC cap is ideal for masking off bus bar terminals and other electrical contacts. Tapered collars around the opening ensures fine line masking. Grounded caps are reusable and will not melt or harden

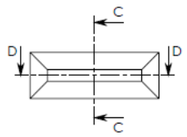
HELPFUL HINTS

- When sizing, make sure inner length and width are undersized for tight fit

TYPICAL APPLICATIONS

Used as a cap over electrical connectors and rectangular extensions





TECHNICAL DIAGRAM KEY

W	Width
L	Length
H	Height

PART NUMBER	COLOR	W (in)	L (in)	H (in)	W (mm)	L (mm)	H (mm)	PCS/BAG
REC 0130	ORANGE	0.130	0.059	0.209	3.3	1.5	5.3	1000
REC 0236	GRAY	0.236	0.059	0.433	6.0	1.5	11.0	1000
REC 0247	CLEAR	0.247	0.030	0.376	6.3	0.8	9.6	1000
REC 0248	PINK	0.248	0.030	0.456	6.3	0.8	11.6	1000
REC 0460	YELLOW	0.460	0.035	0.280	11.7	0.9	7.1	1000
REC 0470	GREEN	0.470	0.040	0.374	11.9	1.0	9.5	1000
REC 0490	PURPLE	0.490	0.047	0.687	12.4	1.2	17.4	500
REC 0875	GRAY	0.875	0.090	1.500	22.2	2.3	38.1	250

Current pricing and additional sizes available at www.epsi.com

CAP STARTER KITS

Visit www.epsi.com for the latest kits, contents and pricing information. Custom kits are available upon request. Product information page listed below.

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KIT EC-2	EPDM CAPS	PAGE 16
KIT SC-1	SILICONE CAPS	PAGE 19
KIT SC-2	SILICONE CAPS	PAGE 19



CONS CONE







PLUGS

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SILICONE PULL PLUG	SPP	39
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COUNTERBORE PULL PLUG	CBP	42
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EPSI's superior line of plugs allows you to mask all shapes and sizes of blind, through and threaded holes, as well as counter-bores and counter sinks. Our commitment to constant innovation means you'll spend less time applying masking and more time producing. Choose between EPDM, plastic, cork, vinyl or our durable, reusable silicone. Silicone plugs are also available in a variety of colors for easy identification.

EPSI makes masking easy!

CUSTOMS

The EPSI Guarantee means that we provide you with the best solutions for your masking needs. Sometimes that solution is one of our guaranteed products, but other times you need a custom solution. Our in-house engineering teams has decades of experience in working with customers to produce a solution fit to your precise needs. We continue to lead the industry in creating efficient, custom solutions for diverse applications.

EPP SERIES - EPDM PULL PLUGS

475°F (245°C)



PRODUCT DESCRIPTION

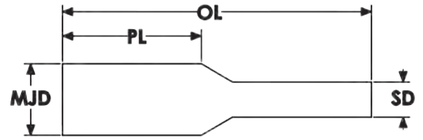
Our EPDM Pull Plug (EPP) product line is an extremely economical solution for threaded and non-threaded through hole applications. With many sizes available, holes from 0.050" to 2.250" in diameter can easily be plugged. Our high temperature EPDM is specially formulated to ensure chemical resistance while maintaining reusability and economy during masking

TYPICAL APPLICATIONS

Used as a plug for non-threaded and threaded through holes

HELPFUL HINTS

- When plugging a hole, make sure that the major diameter of the plug is larger than the diameter of the hole being plugged by at least 4%
- Keep in mind any interference issues created by the Pull-Tab exposure after the plug is inserted
- Not recommended for holes with a lead-in chamfer or a countersink that requires protection from paint. For these applications, EPSI recommends the Flex-Tite Pull Plug (CPP), the High Tensile Strength Weld Nut Pull PLug (GWPP) or the Washer Plug (WP) lines
- Chamfered Neck and Smaller Pull-Tab Diameter Aid Insertion
- When Pulled Through Holes, Large Diameter Compresses Until Released, Providing for a Tight Seal
- High Temperature EPDM Formulation is Extremely Chemically Resistant and Economical



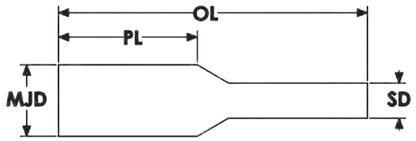


TECHNICAL DIAGRAM

KEY

MJD	Major Diameter
OL	Overall Length
PL	Plug Length
SD	Stem Diameter

EPP SERIES (CONTINUED)



TECHNICAL DIAGRAM KEY

MJD	Major Diameter
OL	Overall Length
PL	Plug Length
SD	Stem Diameter

PART NUMBER	COLOR	MJD (in)	OL (in)	PL (in)	SD (in)	MJD (mm)	OL (mm)	PL (mm)	SD (mm)	PCS/ BAG
EPP 0093	BLACK	0.093	1.277	0.625	0.062	2.4	32.4	15.9	1.6	500
EPP 0109X0625	BLACK	0.109	1.291	0.625	0.062	2.8	32.8	15.9	1.6	500
EPP 0118	BLACK	0.118	2.031	1.000	0.082	3.0	51.6	25.4	2.1	500
EPP 0130X0625	BLACK	0.130	1.292	0.625	0.082	3.3	32.8	15.9	2.1	500
EPP 0140	BLACK	0.140	1.300	0.625	0.082	3.6	33.0	15.9	2.1	500
EPP 0154	BLACK	0.154	1.312	0.625	0.082	3.9	33.3	15.9	2.1	500
EPP 0156X0625	BLACK	0.156	1.314	0.625	0.082	4.0	33.4	15.9	2.1	500
EPP 0162	BLACK	0.162	1.310	0.625	0.093	4.1	33.3	15.9	2.4	500
EPP 0187	BLACK	0.187	1.317	0.625	0.110	4.7	33.5	15.9	2.8	500
EPP 0195X0625	BLACK	0.195	1.324	0.625	0.110	5.0	33.6	15.9	2.8	500
EPP 0197X1000	BLACK	0.197	2.075	1.000	0.110	5.0	52.7	25.4	2.8	500
EPP 0225	BLACK	0.225	2.087	1.000	0.125	5.7	53.0	25.4	3.2	500
EPP 0281	BLACK	0.281	2.124	1.000	0.138	7.1	53.9	25.4	3.5	500
EPP 0312X1000	BLACK	0.312	2.143	1.000	0.147	7.9	54.4	25.4	3.7	500
EPP 0332	BLACK	0.332	2.071	1.125	0.250	8.4	52.6	28.6	6.4	500
EPP 0335	BLACK	0.335	2.154	1.000	0.157	8.5	54.7	25.4	4.0	500
EPP 0350	BLACK	0.350	1.967	0.900	0.157	8.9	50.0	22.9	4.0	500
EPP 0388	BLACK	0.388	2.200	1.000	0.157	9.9	55.9	25.4	4.0	250
EPP 0400X1000	BLACK	0.400	2.334	1.000	0.157	10.2	59.3	25.4	4.0	250
EPP 0445	BLACK	0.445	2.165	1.000	0.255	11.3	55.0	25.4	6.5	250
EPP 0468	BLACK	0.468	2.689	1.250	0.250	11.9	68.3	31.8	6.4	250
EPP 0500	BLACK	0.500	2.217	1.000	0.250	12.7	56.3	25.4	6.4	100
EPP 0770X1125	BLACK	0.770	2.592	1.125	0.375	19.6	65.8	28.6	9.5	50
EPP 1020	BLACK	1.020	3.059	1.250	0.375	25.6	77.7	31.8	9.5	50

Current pricing and additional sizes available at www.epsi.com

SPP SERIES - SILICONE PULL PLUGS

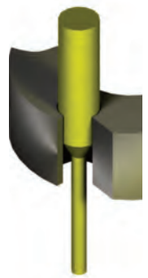


HELPFUL HINTS

- When plugging a hole, make sure the major diameter of the plug is larger than the diameter of the hole being plugged by at least 4%
- Be aware of any interference issues created by the Pull-Tab exposure after plug insertion
- Not recommended for holes with a lead-in chamfer or a countersink that require protection from paint. For these applications, EPSI recommends the Flex-Tite Pull Plug (CPP), the High Tensile Strength Weld Nut Pull PLug (GWPP) or the Wash Plug (WP) lines

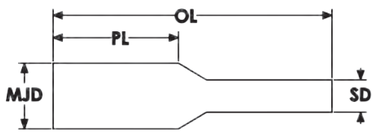
PRODUCT DESCRIPTION

Our Silicone Pull Plug (SPP) product line is the industry standard solution for threaded and non-threaded through holes in powder coating and E-coating applications. With many sizes available, holes from 0.050” to 2.250” in diameter can easily be plugged



TYPICAL APPLICATIONS

When Pulled Through Holes, Major Diameter Compresses Until Released, Providing for a Tight Seal. Chamfered Neck and Smaller Pull-Tab Diameter Aid Insertion. Custom colors available on orders of 10 bags or more

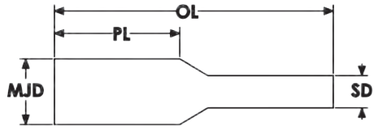


TECHNICAL DIAGRAM KEY

MJD	Major Diameter
OL	Overall Length
PL	Plug Length
SD	Stem Diameter

PART NUMBER	COLOR	MJD (in)	OL (in)	PL (in)	SD (in)	MJD (mm)	OL (mm)	PL (mm)	SD (mm)	PCS/BAG
SPP 0073X0625-G	GREEN	0.073	1.273	0.625	0.047	1.9	32.3	15.9	1.2	500
SPP 0091X0625-L	YELLOW	0.091	1.275	0.625	0.062	2.3	32.4	15.9	1.6	500
SPP 0091X1000-L	YELLOW	0.091	2.034	1.000	0.052	2.3	51.7	25.4	1.3	500
SPP 0093X0625	CLEAR	0.093	1.277	0.625	0.062	2.4	32.4	15.9	1.6	500
SPP 0105X1000-U	BLUE	0.105	2.030	1.000	0.070	2.7	51.6	25.4	1.8	500
SPP 0109X0625-R	RED	0.109	1.291	0.625	0.062	2.8	32.8	15.9	1.6	500
SPP 0109X1000-R	RED	0.109	2.041	1.000	0.062	2.8	51.8	25.4	1.6	500
SPP 0118X1000	CLEAR	0.118	2.031	1.000	0.082	3.0	51.6	25.4	2.1	500

SPP SERIES (CONTINUED)



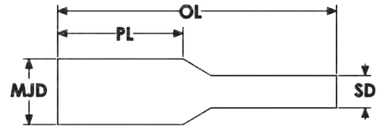
TECHNICAL DIAGRAM KEY

MJD	Major Diameter
OL	Overall Length
PL	Plug Length
SD	Stem Diameter

PART NUMBER	COLOR	MJD (in)	OL (in)	PL (in)	SD (in)	MJD (mm)	OL (mm)	PL (mm)	SD (mm)	PCS/BAG
SPP 0125X0625-W	WHITE	0.125	1.287	0.625	0.082	3.2	32.7	15.9	2.1	500
SPP 0130X0625-N	PINK	0.130	1.292	0.625	0.082	3.3	32.8	15.9	2.1	500
SPP 0130X1000	CLEAR	0.130	2.042	1.000	0.082	3.3	51.9	25.4	2.1	500
SPP 0140X0625-G	GREEN	0.140	1.300	0.625	0.082	3.6	33.0	15.9	2.1	500
SPP 0145X1250-B	BLACK	0.145	2.545	1.250	0.093	3.7	64.6	31.8	2.4	500
SPP 0154X0625-L	YELLOW	0.154	1.312	0.625	0.082	3.9	33.3	15.9	2.1	500
SPP 0156X0625-Y	GRAY	0.156	1.314	0.625	0.082	4.0	33.4	15.9	2.1	500
SPP 0156X1250-Y	GRAY	0.156	2.555	1.250	0.093	4.0	64.9	31.8	2.4	500
SPP 0158X1000-O	ORANGE	0.158	2.056	1.000	0.093	4.0	52.2	25.4	2.4	500
SPP 0158X1500-O	ORANGE	0.158	3.056	1.500	0.093	4.0	77.6	38.1	2.4	500
SPP 0160X0780	CLEAR	0.160	1.596	0.780	0.118	4.1	40.5	19.8	3.0	500
SPP 0162X0625-U	BLUE	0.162	1.310	0.625	0.093	4.1	33.3	15.9	2.4	500
SPP 0175X1250-P	PURPLE	0.175	2.545	1.250	0.123	4.4	64.6	31.8	3.1	500
SPP 0187X0625-R	RED	0.187	1.317	0.625	0.110	4.7	33.5	15.9	2.8	500
SPP 0190X1250-L	YELLOW	0.190	2.574	1.250	0.140	4.8	65.4	31.8	3.6	500
SPP 0195X0625-W	WHITE	0.195	1.324	0.625	0.110	5.0	33.6	15.9	2.8	500
SPP 0195X1250-W	WHITE	0.195	2.574	1.250	0.110	5.0	65.4	31.8	2.8	500
SPP 0197X1000-F	RUSTY	0.197	2.075	1.000	0.110	5.0	52.7	25.4	2.8	500
SPP 0218X1000	CLEAR	0.218	2.094	1.000	0.110	5.5	53.2	25.4	2.8	500
SPP 0225X1000-N	PINK	0.225	2.087	1.000	0.125	5.7	53.0	25.4	3.2	500
SPP 0225X1181-N	PINK	0.225	2.453	1.181	0.120	5.7	62.3	30.0	3.0	500
SPP 0236X0400-O	ORANGE	0.236	0.851	0.400	0.177	6.0	21.6	10.2	4.5	500
SPP 0236X1250-O	ORANGE	0.236	2.561	1.250	0.165	6.0	65.0	31.8	4.2	500
SPP 0244X1250-P	PURPLE	0.244	2.564	1.250	0.170	6.2	65.1	31.8	4.3	500
SPP 0257-G	GREEN	0.257	2.110	1.000	0.130	6.5	53.6	25.4	3.3	500
SPP 0260-U	BLUE	0.260	2.113	1.000	0.130	6.6	53.7	25.4	3.3	500
SPP 0265-Y	GRAY	0.265	2.568	1.250	0.186	6.7	65.2	31.8	4.7	500
SPP 0275-L	YELLOW	0.275	2.026	0.950	0.130	7.0	51.5	24.1	3.3	500
SPP 0281-R	RED	0.281	2.124	1.000	0.138	7.1	53.9	25.4	3.5	500
SPP 0312X1000-Y	GRAY	0.312	2.143	1.000	0.147	7.9	54.4	25.4	3.7	500
SPP 0312X1250-Y	GRAY	0.312	2.608	1.250	0.187	7.9	66.2	31.8	4.7	500
SPP 0332-U	BLUE	0.332	2.321	0.750	0.250	8.4	52.6	31.8	6.4	500
SPP 0335-W	WHITE	0.335	2.154	1.000	0.157	8.5	54.7	25.4	4.0	500
SPP 0350	CLEAR	0.350	1.967	0.900	0.157	8.9	50.0	22.9	4.0	500
SPP 0375-L	YELLOW	0.375	2.189	1.000	0.157	9.5	55.6	25.4	4.0	250
SPP 0388-R	RED	0.388	2.200	1.000	0.157	9.9	55.9	25.4	4.0	250
SPP 0400X1000	CLEAR	0.400	2.334	1.000	0.157	10.2	59.3	25.4	4.0	250

Current pricing and additional sizes available at www.epsi.com

SPP SERIES (CONTINUED)

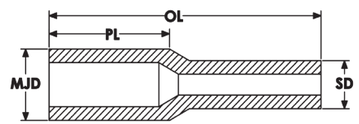


TECHNICAL DIAGRAM KEY

MJD	Major Diameter
OL	Overall Length
PL	Plug Length
SD	Stem Diameter

PART NUMBER	COLOR	MJD (in)	OL (in)	PL (in)	SD (in)	MJD (mm)	OL (mm)	PL (mm)	SD (mm)	PCS/BAG
SPP 0414-G	GREEN	0.414	2.223	1.000	0.157	10.5	56.5	25.4	4.0	250
SPP 0437-F	RUSTY	0.437	2.113	1.250	0.306	11.1	53.7	31.8	7.8	250
SPP 0440-L	YELLOW	0.440	2.245	1.000	0.157	11.2	57.0	25.4	4.0	250
SPP 0440X2000-B	BLACK	0.440	4.245	2.000	0.306	11.2	107.8	50.8	7.8	250
SPP 0445-Y	GRAY	0.445	2.165	1.000	0.255	11.3	55.0	25.4	6.5	250
SPP 0468-U	BLUE	0.468	2.689	1.250	0.250	11.9	68.3	31.8	6.4	250
SPP 0500-W	WHITE	0.500	2.217	1.000	0.250	12.7	56.3	25.4	6.4	100
SPP 0510	CLEAR	0.510	2.225	1.000	0.250	13.0	56.5	25.4	6.4	100
SPP 0530-N	PINK	0.530	2.242	1.000	0.250	13.5	56.9	25.4	6.4	100
SPP 0551	CLEAR	0.551	2.623	1.181	0.250	14.0	66.6	30.0	6.4	100
SPP 0580-F	RUSTY	0.580	3.229	1.500	0.315	14.7	82.0	38.1	8.0	100
SPP 0590-R	RED	0.590	2.294	1.000	0.250	15.0	58.3	25.4	6.4	100
SPP 0612-L	YELLOW	0.612	2.314	1.000	0.250	15.5	58.8	25.4	6.4	100
SPP 0640X1000-Y	GRAY	0.640	2.229	1.000	0.375	16.3	56.6	25.4	9.5	100
SPP 0640X1772	CLEAR	0.640	3.773	1.772	0.375	16.3	95.8	45.0	9.5	100
SPP 0700X1250-U	BLUE	0.700	2.781	1.250	0.375	17.8	70.6	31.8	9.5	100
SPP 0700X1500-U	BLUE	0.700	3.285	1.500	0.371	17.8	83.4	38.1	9.4	100
SPP 0729X1000-W	WHITE	0.729	2.359	1.000	0.315	18.5	59.9	25.4	8.0	100
SPP 0729X1500-W	WHITE	0.729	3.297	1.500	0.386	18.5	83.7	38.1	9.8	100
SPP 0740	CLEAR	0.740	4.074	1.890	0.364	18.8	103.5	48.0	9.2	100
SPP 0770X1125	CLEAR	0.770	2.592	1.125	0.375	19.6	65.8	28.6	9.5	50
SPP 0770X1500	CLEAR	0.770	3.314	1.500	0.408	19.6	84.2	38.1	10.4	50
SPP 0809X1000-N	PINK	0.809	2.428	1.000	0.315	20.5	61.7	25.4	8.0	50
SPP 0896X1000-G	GREEN	0.896	2.451	1.000	0.375	22.8	62.3	25.4	9.5	50
SPP 1020-L	YELLOW	1.020	3.059	1.250	0.375	25.9	77.7	31.8	9.5	50
SPP 1265-U	BLUE	1.265	5.514	2.470	0.625	32.1	140.1	62.7	15.9	50
SPP 2000-F	RUSTY	2.000	5.050	2.000	0.787	50.8	128.3	50.8	20.0	25

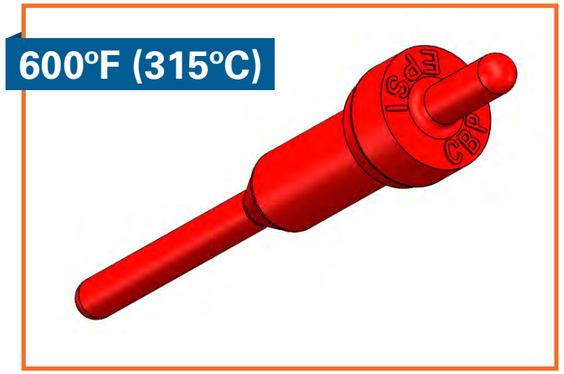
HOLLOW SPP SERIES



PART NUMBER	COLOR	MJD (in)	OL (in)	PL (in)	SD (in)	MJD (mm)	OL (mm)	PL (mm)	SD (mm)	PCS/BAG
SPP 0370	CLEAR	0.370	2.520	0.454	0.187	9.4	64.0	11.5	4.7	250
SPP 1024-L	YELLOW	1.024	4.000	1.772	0.689	26.0	101.6	45.0	17.5	50
SPP 1713-L	YELLOW	1.713	6.250	2.756	0.866	43.5	158.8	70.0	22.0	50
SPP 2280-L	YELLOW	2.280	6.000	2.000	1.140	57.9	152.4	50.8	29.0	10

Current pricing and additional sizes available at www.epsi.com

CBP SERIES - COUNTERBORE PULL PLUGS

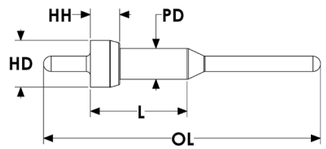


HELPFUL HINTS

- **Innovative:** One part does the work of two combining STS and SPP
- **Fast and Easy:** Having a 2-in-1 part makes it a lot quicker to mask
- **Versatile:** It works for various thicknesses on metal plates
- **Durable:** High temperature, high performance silicone great for repeated use

PRODUCT DESCRIPTION

EPSI's Bore-Tite™ (CBP) is a perfect alternative to using an STS (stopper) and SPP (pull plug) together. It comes in most common standard nominal English and metric counterbore sizes. This product makes for easy installation and removal using handle. Bore-Tite™ (CBP) is an ideal solution for masking counterbores from any finishing product including immersion. Use the product to effectively mask off counterbore heads and thru holes. Its flexible hollow head seals tightly against the counterbore wall



TECHNICAL DIAGRAM KEY

PD	Plug Diameter
HD	Head Diameter
L	Length
HH	Head Height
OL	Overall Length

PART NUMBER	COLOR	PD	HD	L	HH	OL	PCS/BAG
CBP-250-SR	RED	0.287	0.445	1.625	0..260	4.860	300
CBP-313-SW	WHITE	0.350	0.540	1.625	0.322	4.798	250
CBP-375-SP	PURPLE	0.414	0.635	1.625	0..385	4.735	200
CBP-500-SG	GREEN	0.540	0.824	1.602	0.510	4.610	75
CBP-625-SZ	BROWN	0.667	1.014	2.130	.635	6.000	75
CBP-750-SB	BLACK	0.793	1.202	2.133	.760	5.360	50
CBP-1000-SY	GRAY	1.046	1.644	2.640	1.010	6.110	50
CBP-M06-SU	BLUE	0.273	0.449	1.626	0.261	4.890	300
CBP-M08-SL	YELLOW	0.353	0.580	1.628	0.340	4.811	250
CBP-M10-SF	RUSTY	0.433	0.700	1.887	0.419	4.731	200
CBP-M12-SO	ORANGE	0.521	0.779	1.628	0.482	4.638	75

Current pricing and additional sizes available at www.epsi.com

DWP & C-DWP SERIES - DOUBLE WASHER PULL PLUGS

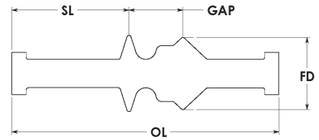


HELPFUL HINTS

- When plugging a hole, make sure that the plug diameter is larger than the diameter of the hole being plugged by at least 5%
- To insert plug, place long stem into hole. Pull through until flanges are securely positioned around your part To remove plug, pull short stem in reverse direction
- Masks entry and exit threads simultaneously
- Designed for common metric threads
- Provides positive seal

PRODUCT DESCRIPTION

The DWP™ should be used where it is necessary to protect both an entry and exit hole and its surrounding washer area. The pull tabs allow for the plug to be easily pulled through for secure placement. This product is color coded for quick identification



TECHNICAL DIAGRAM KEY

FD	Flange Diameter
OL	Overall Length
GAP	Gap
SL	Stem Length

DWP SERIES

PART NUMBER	COLOR	FD (in)	OL (in)	GAP (in)	SL (in)	FD (mm)	OL (mm)	GAP (mm)	SL (mm)	PCS/ BAG
DWP M04	WHITE	0.174	1.044	0.125	0.465	4.4	26.5	3.2	11.8	1000
DWP M05	GREEN	0.207	1.175	0.140	0.533	5.3	29.8	3.6	13.5	1000
DWP M06	BLUE	0.243	1.239	0.176	0.574	6.2	31.5	4.5	14.6	1000
DWP M08	YELLOW	0.323	1.500	0.242	0.668	8.2	38.1	6.1	17.0	1000
DWP M10	BROWN	0.410	1.643	0.322	0.717	10.4	41.7	8.2	18.2	500
DWP M12	RED	0.503	1.870	0.377	0.820	12.8	47.5	9.6	20.8	500
DWP M16	GREEN	0.658	2.282	0.495	1.057	16.7	58.0	12.6	26.8	250
DWP M18	RED	0.748	2.282	0.495	1.074	19.0	58.0	12.6	27.3	100
DWP M20	PURPLE	0.866	2.816	0.512	1.617	22.0	71.5	13.0	41.1	100
DWP M22	GRAY	0.945	2.816	0.512	1.633	24.0	71.5	13.0	41.5	100

Current pricing and additional sizes available at www.epsi.com

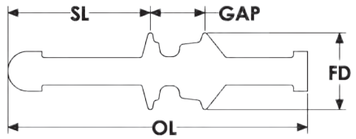


HELPFUL HINTS

- When plugging a hole, make sure that the plug diameter is larger than the diameter of the hole being plugged by at least 5%
- To insert plug, place bullet nose into hole. Pull through until flanges are securely positioned around your part. To remove plug, pull short stem in reverse direction
- Removes Cleanly After Use with No Shrinkage

PRODUCT DESCRIPTION

The C-DWP™ should be used where it is necessary to protect both an entry and exit hole as well as the surrounding washer area. The pull tabs allow the plug to be easily pulled through for secure placement. This product line was designed with OEM requirements in mind and is color coded for quick identification



TECHNICAL DIAGRAM KEY

FD	Flange Diameter
OL	Overall Length
GAP	Gap
SL	Stem Length

C-DWP SERIES

PART NUMBER	COLOR	FD (in)	OL (in)	GAP (in)	SL (in)	FD (mm)	OL (mm)	GAP (mm)	SL (mm)	PCS/ BAG
C-DWP M06 BLUE w/RED TIP	BLUE W/ RED TIP	0.243	1.239	0.175	0.574	6.2	31.5	4.4	14.6	1000
C-DWP M08 RED w/BLUE TIP	RED W/ BLUE TIP	0.323	1.500	0.242	0.668	8.2	38.1	6.1	17.0	1000
C-DWP M10 GREEN w/YELLOW TIP	GREEN W/YELLOW TIP	0.410	1.643	0.322	0.717	10.4	41.7	8.2	18.2	500
C-DWP M12 YELLOW w/BLUE TIP	YELLOW W/ BLUE TIP	0.503	1.870	0.377	0.820	12.8	47.5	9.6	20.8	500
C-DWP M16 ORANGE w/GREEN TIP	ORANGE W/ GREEN TIP	0.658	2.282	0.495	1.057	16.7	58.0	12.6	26.8	250

Current pricing and additional sizes available at www.epsi.com

CPP SERIES - COUNTERSINK PULL PLUGS

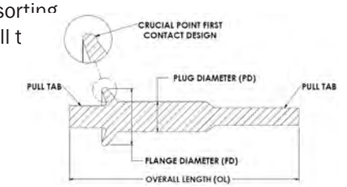


HELPFUL HINTS

- **Innovative:** The best way to mask 82° / 90° / 100° countersink holes
- **Self-Sealing:** Crucial point first contact design ensures a liquid tight seal
- **Fast and Easy:** Pull tabs ensure easy application and removal
- **Durable:** High-grade silicone takes repeated use at high temperatures
- **Perfect Fit:** Designed by our experienced engineering team

PRODUCT DESCRIPTION

We heard you say that it's a hassle to stock multiple plugs for varying countersink holes when plating, anodizing, and e-coating. So we created the new EPSI **Flex-Tite™ Countersink Pull Plug (CPP)** with a crucial point first contact designed and perfectly matched to the countersinks you're masking. We designed a full range of the most common sizes, with color coding for easier sorting and re-use. The EPSI **Flex-Tite™ CPP** also features pull t for fast and easy application and removal



TECHNICAL DIAGRAM KEY

PD	Plug Diameter
FD	Flange Diameter
OL	Overall Length

CPP SERIES

PART NUMBER	COLOR	PD	FD	OL	PSC/BAG
CPP 0220X0368-R	RED	0.220	0.368	2.57	250
CPP 0243X0402-Y	GREY	0.243	0.402	2.57	250
CPP 0280X0493-L	YELLOW	0.280	0.439	2.68	250
CPP 0280X0515-B	BLACK	0.280	0.515	2.58	250
CPP 0293X0422-N	PINK	0.293	0.422	2.56	250
CPP 0302X0532-U	BLUE	0.302	0.532	2.58	250
CPP 0343X0464-W	WHITE	0.343	0.464	2.58	250
CPP 0343X0487-C	CLEAR	0.343	0.487	2.59	250
CPP 0343X0620-G	GREEN	0.343	0.620	2.62	250
CPP 0343X0642-P	PURPLE	0.343	0.642	2.62	250
CPP 0365X0660-R	RED	0.365	0.660	2.63	250
CPP 0405X0744-Y	GREY	0.405	0.744	2.67	250
CPP 0428X0787-L	YELLOW	0.428	0.787	2.68	250

Current pricing and additional sizes available at www.epsi.com

GWPP SERIES - WELD NUT PULL PLUGS



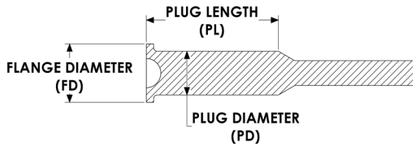
HELPFUL HINTS

- Durable: High tensile silicone takes repeated uses at high temperatures
- Innovative: Designed for easy pull through removal
- Self-Sealing: Conforms to irregular surfaces on countersinks and lead-in threads

PRODUCT DESCRIPTION

We heard you say that plugs made with commercial silicone sometimes break when plating, anodizing, and e-coating at higher temps. So we created the new EPSI Dura-Tite™ Weld-Nut Pull Plug (GWPP), made with gum silicone for increased tensile strength durability and longer life

Hardness (Shore)	Tensile strength (MPa)	Elongation at break (%)	Breaking set (%)	Tearing strength (KN/M)B
New Dura-Tite (GWPP) Gum Silicone				
40±2	≥ 9.5	≥ 895	≤ 6.0	≥ 25



TECHNICAL DIAGRAM KEY

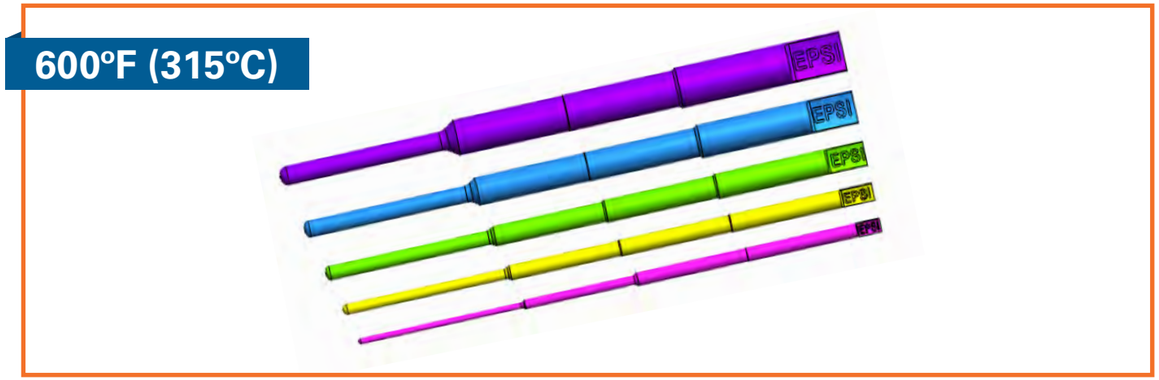
FD	Flange Diameter
PD	Plug Diameter
PL	Plug Length

GWPP SERIES

Part Number	COLOR	FD	PD	PL	PSC/BAG
GWPP 0173-R	RED	0.252	0.173	1.000	500
GWPP 0217-U	BLUE	0.335	0.217	1.000	500
GWPP 0224-Y	GRAY	0.343	0.224	1.000	500
GWPP 0283-L	YELLOW	0.402	0.283	1.000	500
GWPP 0331-O	ORANGE	0.449	0.331	1.000	500
GWPP 0346-N	PINK	0.484	0.346	1.000	500
GWPP 0413-G	GREEN	0.506	0.413	1.000	250
GWPP 0439-P	PURPLE	0.557	0.439	1.000	250
GWPP 0490-W	WHITE	0.608	0.490	1.000	250
GWPP 0518-Y	GRAY	0.636	0.518	1.000	250
GWPP 0545-F	RUSTY	0.663	0.545	1.000	250
GWPP 0580-R	RED	0.699	0.580	1.000	250

Current pricing and additional sizes available at www.epsi.com

MSPP SERIES - MULTI STEP PULL PLUGS

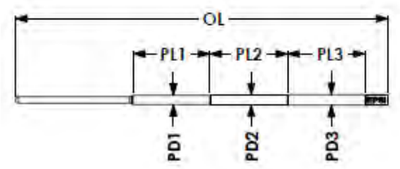


PRODUCT DESCRIPTION

The Multi Step Pull Plugs (MPP) were created to embody several of the most popular pull plug diameters in one masking plug

HELPFUL HINTS

- **Convenient:** A single MSPP replaces three of the most popular pull plug sizes. This reduces inventory and require less logistics because of its versatility
- **Durable:** Made of durable, high temperature resistant silicone for repeated use
- **Versatile:** Next larger diameter on the same plug can be used to achieve a tighter fit



TECHNICAL DIAGRAM KEY

PD1	Plug Diameter 1
PD2	Plug Diameter 2
PD3	Plug Diameter 3
PL1	Plug Length 1
PL2	Plug Length 2
PL3	Plug Length 3
OL	Overall Length

MSPP SERIES

PART NUMBER	COLOR	PD1	PD2	PD3	PL1	PL2	PL3	OL	PCS/ BAG
MSPP 0109X1000-SXN	PINK	0.073	0.105	0.109	1.000	1.000	1.000	4.781	750
MSPP 0140X1000-SXL	YELLOW	0.118	0.130	0.140	1.000	1.000	1.000	4.849	300
MSPP 0195X1000-SXG	GREEN	0.156	0.175	0.195	1.000	1.000	1.000	4.939	200
MSPP 0257X1000-SXU	BLUE	0.218	0.225	0.257	1.000	1.000	1.000	5.027	100
MSPP 0312X1000-SXP	PURPLE	0.275	0.281	0.312	1.000	1.000	1.000	6.164	100

Current pricing and additional sizes available at www.epsi.com

EMT & SMT SERIES - MOUSETAIL PLUGS



HELPFUL HINTS

- Can be Stretched to Provide a Leak-Proof Seal
- Ideal for Plugging Small or Hard to Reach Holes
- Great Resistance to Chemicals and Hydrocarbons (EMT)

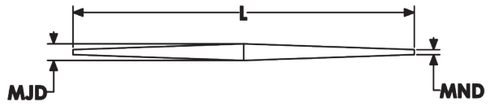


PRODUCT DESCRIPTION

Our Silicone Mousetail (SMT) line is the ideal solution when masking small openings, threaded holes and small irregularly contoured features. Their thin profiles make them extremely stretchy, allowing them to contract and fit into different size holes. Our high temperature silicone SMT is specially formulated to ensure reusability and reliability during masking. Our high temperature EPDM Mousetail (EMT) is specially formulated to resist chemical attack and ensure reusability and economy during masking

TYPICAL APPLICATIONS

Mousetail plugs are typically used as a plug for extremely small holes, especially in electronic components



TECHNICAL DIAGRAM KEY	
MJD	Major Diameter
MND	Minor Diameter
L	Length

EMT & SMT SERIES

PART NUMBER	COLOR	MJD (in)	MND (in)	L (in)	MJD (mm)	MND (mm)	L (mm)	PCS/ BAG
EMT 0079	BLACK	0.079	0.022	1.332	2.0	0.6	33.8	1000
EMT 0080	BLACK	0.080	0.023	2.083	2.0	0.6	52.9	1000
EMT 0083	BLACK	0.083	0.031	1.928	2.1	0.8	49.0	1000
EMT 0100	BLACK	0.100	0.030	2.080	2.5	0.8	52.8	1000
SMT 0079	CLEAR	0.079	0.022	1.332	2.0	0.6	33.8	1000
SMT 0080	CLEAR	0.080	0.023	2.083	2.0	0.6	52.9	1000
SMT 0083	CLEAR	0.083	0.031	1.928	2.1	0.8	49.0	1000
SMT 0100	CLEAR	0.100	0.030	2.080	2.5	0.8	52.8	1000

Current pricing and additional sizes available at www.epsi.com

BES SERIES - BLACK EPDM STOPPERS



PRODUCT DESCRIPTION

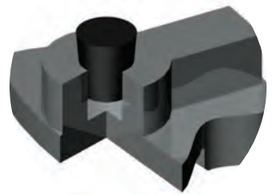
Our Black EPDM Stopper (BES) product line is an economical substitute for our STS product line for general plugging applications. With many sizes available, holes from 0.020" to 4.710" in diameter can easily be plugged. Our high temperature EPDM is specially formulated to resist chemical attack and ensure reusability and economy during masking

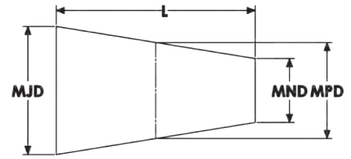
HELPFUL HINTS

- To find best fit, match hole diameter to plug midpoint diameter
- Black EPDM Stoppers are not recommended for prolonged exposure to intense heat
- Tapered to Fit a Variety of Hole Diameters
- Compressible for Better Sealing of Both Threaded and Non-threaded Holes
- Ideal for Sand Blasting
- Excellent Chemical and Hydrocarbon Resistance

TYPICAL APPLICATIONS

Used as a plug in both threaded and non-threaded holes and in combination with hardware to seal off large cavities





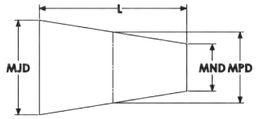
TECHNICAL DIAGRAM KEY	
MJD	Major Diameter
MND	Minor Diameter
MPD	Midpoint Diameter

BES SERIES

PART NUMBER	COLOR	MJD (in)	MND (in)	MPD (in)	L (in)	MJD (mm)	MND (mm)	MPD (mm)	L (mm)	PCS/ BAG
BES 0100X0625	BLACK	0.100	0.031	0.066	0.625	2.5	0.8	1.7	15.9	1000
BES 0125	BLACK	0.125	0.062	0.094	0.625	3.2	1.6	2.4	15.9	1000
BES 0187X0625	BLACK	0.187	0.062	0.125	0.625	4.7	1.6	3.2	15.9	1000
BES 0187X0750	BLACK	0.187	0.062	0.125	0.750	4.7	1.6	3.2	19.1	1000
BES 0197	BLACK	0.197	0.049	0.123	1.100	5.0	1.2	3.1	27.9	1000
BES 0200	BLACK	0.200	0.062	0.131	0.750	5.1	1.6	3.3	19.1	1000
BES 0216	BLACK	0.216	0.047	0.132	1.500	5.5	1.2	3.3	38.1	1000
BES 0250X0750	BLACK	0.250	0.125	0.188	0.750	6.4	3.2	4.8	19.1	1000
BES 0250X1000	BLACK	0.250	0.125	0.188	1.000	6.4	3.2	4.8	25.4	1000
BES 0343X0625	BLACK	0.343	0.187	0.265	0.625	8.7	4.7	6.7	15.9	1000
BES 0343X1000	BLACK	0.343	0.187	0.265	1.000	8.7	4.7	6.7	25.4	1000
BES 0375X0500	BLACK	0.375	0.250	0.313	0.500	9.5	6.4	7.9	12.7	500
BES 0375X0750	BLACK	0.375	0.250	0.313	0.750	9.5	6.4	7.9	19.1	500
BES 0375X1250	BLACK	0.375	0.125	0.250	1.250	9.5	3.2	6.4	31.8	500

Current pricing and additional sizes available at www.epsi.com

BES SERIES (CONTINUED)



TECHNICAL DIAGRAM KEY

MJD	Major Diameter
MND	Minor Diameter
MPD	Midpoint Diameter

PART NUMBER	COLOR	MJD (in)	MND (in)	MPD (in)	L (in)	MJD (mm)	MND (mm)	MPD (mm)	L (mm)	PCS/ BAG
BES 0394	BLACK	0.394	0.197	0.296	1.890	10.0	5.0	7.5	48.0	500
BES 0437	BLACK	0.437	0.250	0.344	1.000	11.1	6.4	8.7	25.4	500
BES 0438	BLACK	0.438	0.344	0.391	0.688	11.1	8.7	9.9	17.5	500
BES 0500X0813	BLACK	0.500	0.313	0.407	0.813	12.7	8.0	10.3	20.7	250
BES 0500X1000	BLACK	0.500	0.312	0.406	1.000	12.7	7.9	10.3	25.4	250
BES 0563	BLACK	0.563	0.375	0.469	1.000	14.3	9.5	11.9	25.4	250
BES 0590	BLACK	0.590	0.393	0.492	1.000	15.0	10.0	12.5	25.4	250
BES 0625	BLACK	0.625	0.437	0.531	0.813	15.9	11.1	13.5	20.7	250
BES 0656	BLACK	0.656	0.500	0.578	1.000	16.7	12.7	14.7	25.4	250
BES 0669	BLACK	0.669	0.510	0.590	1.000	17.0	13.0	15.0	25.4	250
BES 0687	BLACK	0.687	0.437	0.562	1.000	17.4	11.1	14.3	25.4	250
BES 0748	BLACK	0.748	0.550	0.649	1.000	19.0	14.0	16.5	25.4	250
BES 0812	BLACK	0.812	0.625	0.719	1.000	20.6	15.9	18.2	25.4	100
BES 0938	BLACK	0.938	0.708	0.823	1.000	23.8	18.0	20.9	25.4	100
BES 1024	BLACK	1.024	0.787	0.906	1.000	26.0	20.0	23.0	25.4	100
BES 1063	BLACK	1.063	0.905	0.984	1.000	27.0	23.0	25.0	25.4	100
BES 1102X1000	BLACK	1.102	0.945	1.024	1.000	28.0	24.0	26.0	30.0	100
BES 1220X1181	BLACK	1.220	0.984	1.102	1.181	31.0	25.0	28.0	25.4	100
BES 1260	BLACK	1.260	1.024	1.142	1.000	32.0	26.0	29.0	25.4	100
BES 1338	BLACK	1.338	1.063	1.201	1.000	34.0	27.0	30.5	25.4	100
BES 1456	BLACK	1.456	1.180	1.318	1.000	37.0	30.0	33.5	25.4	100
BES 1535	BLACK	1.535	1.220	1.378	1.000	39.0	31.0	35.0	25.4	50
BES 1614	BLACK	1.614	1.300	1.457	1.000	41.0	33.0	37.0	25.4	50
BES 1693	BLACK	1.693	1.417	1.555	1.000	43.0	36.0	39.5	25.4	50
BES 1772	BLACK	1.772	1.457	1.615	1.000	45.0	37.0	41.0	25.4	50
BES 1810	BLACK	1.810	1.496	1.653	1.000	46.0	38.0	42.0	25.4	50
BES 1968	BLACK	1.968	1.653	1.811	1.000	50.0	42.0	46.0	25.4	50
BES 2086	BLACK	2.086	1.770	1.928	1.000	53.0	45.0	49.0	25.4	25
BES 2205	BLACK	2.205	1.890	2.048	1.000	56.0	48.0	52.0	25.4	25
BES 2480	BLACK	2.480	1.968	2.224	1.000	63.0	50.0	56.5	25.4	25
BES 2520	BLACK	2.520	2.125	2.323	1.000	64.0	54.0	59.0	25.4	25
BES 2677	BLACK	2.677	2.283	2.480	1.000	68.0	58.0	63.0	25.4	25
BES 2953	BLACK	2.953	2.440	2.697	1.377	75.0	62.0	68.5	35.0	25
BES 3543	BLACK	3.543	2.953	3.248	1.535	90.0	75.0	82.5	39.0	10
BES 4055	BLACK	4.055	3.267	3.661	1.535	103.0	83.0	93.0	39.0	10

Current pricing and additional sizes available at www.epsi.com

STS SERIES - SILICONE TAPERED STOPPERS

600ºF (315ºC)



AVAILABLE IN CUSTOM COLORS

PRODUCT DESCRIPTION

Our Silicone Tapered Stopper (STS) product line is an industry standard for general plugging applications. With many sizes available, holes from 0.020" to 4.710" in diameter can easily be plugged. Our high temperature silicone is specially formulated to ensure reusability and reliability during masking

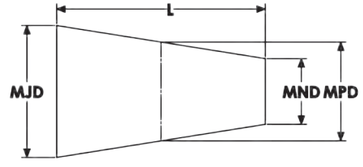
TYPICAL APPLICATIONS

Used as a plug in both threaded and non-threaded holes and in combination with hardware to seal off large cavities

HELPFUL HINTS

- To find best fit, match hole diameter to plug midpoint diameter
- When masking off both the front and back of a cavity, it is possible to combine two (STS) with hardware to create a liquid tight mask tha resists blow-out
- Silicone Tapered Stoppers are not recommended for exposure to aggressive chemicals or hydrocarbons
- Tapered Design to Fit a Variety of Hole Diameters
- Compressible for Better Sealing of Both Threaded and Non-Threaded Holes

STS SERIES



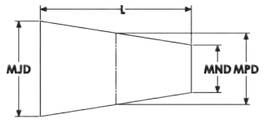
TECHNICAL DIAGRAM KEY

MJD	Major Diameter
MND	Minor Diameter
MPD	Midpoint Diameter
L	Length

PART NUMBER	COLOR	MJD (in)	MND (in)	MPD (in)	L (in)	MJD (mm)	MND (mm)	MPD (mm)	L (mm)	PCS/ BAG
STS 0062-B	BLACK	0.062	0.016	0.039	0.625	1.6	0.4	1.0	15.9	1000
STS 0078X1000-U	BLUE	0.078	0.020	0.049	1.000	2.0	0.5	1.2	25.4	1000
STS 0100X0625-L	YELLOW	0.100	0.031	0.066	0.625	2.5	0.8	1.7	15.9	1000
STS 0100X1000-L	YELLOW	0.100	0.031	0.066	1.000	2.5	0.8	1.7	25.4	1000
STS 0125-N	PINK	0.125	0.062	0.094	0.625	3.2	1.6	2.4	15.9	1000
STS 0177X0591-P	PURPLE	0.177	0.060	0.119	0.591	4.5	1.5	3.0	15.0	1000
STS 0187X0394	CLEAR	0.187	0.109	0.148	0.394	4.7	2.8	3.8	10.0	1000

Current pricing and additional sizes available at www.epsi.com

STS SERIES (CONTINUED)



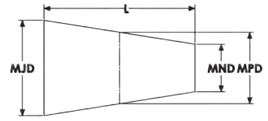
TECHNICAL DIAGRAM KEY

MJD	Major Diameter
MND	Minor Diameter
MPD	Midpoint Diameter
L	Length

PART NUMBER	COLOR	MJD (in)	MND (in)	MPD (in)	L (in)	MJD (mm)	MND (mm)	MPD (mm)	L (mm)	PCS/ BAG
STS 0187X0625-W	WHITE	0.187	0.062	0.125	0.625	4.7	1.6	3.2	15.9	1000
STS 0187X0750-F	RUSTY	0.187	0.062	0.125	0.750	4.7	1.6	3.2	19.1	1000
STS 0188X2200-Y	GRAY	0.188	0.047	0.118	2.200	4.8	1.2	3.0	55.9	1000
STS 0197-G	GREEN	0.197	0.049	0.123	1.100	5.0	1.2	3.1	27.9	1000
STS 0200-U	BLUE	0.200	0.062	0.131	0.750	5.1	1.6	3.3	19.1	1000
STS 0216-N	PINK	0.216	0.047	0.132	1.500	5.5	1.2	3.3	38.1	1000
STS 0250X0750-G	GREEN	0.250	0.125	0.188	0.750	6.4	3.2	4.8	19.1	1000
STS 0250X1000-F	RUSTY	0.250	0.125	0.188	1.000	6.4	3.2	4.8	25.4	1000
STS 0276X0787-L	YELLOW	0.276	0.118	0.197	0.787	7.0	3.0	5.0	20.0	1000
STS 0315X0787-R	RED	0.315	0.157	0.236	0.787	8.0	4.0	6.0	20.0	1000
STS 0343X0625-U	BLUE	0.343	0.187	0.265	0.625	8.7	4.7	6.7	15.9	1000
STS 0343X1000-F	RUSTY	0.343	0.187	0.265	1.000	8.7	4.7	6.7	25.4	1000
STS 0354X0984-I	IVORY	0.354	0.177	0.266	0.984	9.0	4.5	6.7	25.0	1000
STS 0375X0500-L	YELLOW	0.375	0.250	0.313	0.500	9.5	6.4	7.9	12.7	500
STS 0375X0750-L	YELLOW	0.375	0.250	0.313	0.750	9.5	6.4	7.9	19.1	500
STS 0375X1250-L	YELLOW	0.375	0.125	0.250	1.250	9.5	3.2	6.4	31.8	500
STS 0393-U	BLUE	0.393	0.236	0.315	0.787	10.0	6.0	8.0	20.0	500
STS 0394-W	WHITE	0.394	0.197	0.296	1.890	10.0	5.0	7.5	48.0	500
STS 0433X1063-G	GREEN	0.433	0.315	0.374	1.063	11.0	8.0	9.5	27.0	500
STS 0437-F	RUSTY	0.437	0.250	0.344	1.000	11.1	6.4	8.7	25.4	500
STS 0438-B	BLACK	0.438	0.344	0.391	0.688	11.1	8.7	9.9	17.5	500
STS 0472-R	RED	0.472	0.354	0.413	0.748	12.0	9.0	10.5	19.0	500
STS 0473X0787-Y	GRAY	0.473	0.312	0.393	0.787	12.0	7.9	10.0	20.0	500
STS 0487	CLEAR	0.487	0.354	0.421	0.748	12.4	9.0	10.7	19.0	500
STS 0500X0813-Z	BROWN	0.500	0.313	0.407	0.813	12.7	8.0	10.3	20.7	250
STS 0500X1000-Z	BROWN	0.500	0.312	0.406	1.000	12.7	7.9	10.3	25.4	250
STS 0500X2000-Z	BROWN	0.500	0.125	0.313	2.000	12.7	3.2	7.9	50.8	250
STS 0512X0984-B	BLACK	0.512	0.354	0.433	0.984	13.0	9.0	11.0	25.0	250
STS 0562-F	RUSTY	0.562	0.313	0.438	1.125	14.3	8.0	11.1	28.6	250
STS 0563-U	BLUE	0.563	0.375	0.469	1.000	14.3	9.5	11.9	25.4	250
STS 0590-P	PURPLE	0.590	0.393	0.492	1.000	15.0	10.0	12.5	25.4	250
STS 0591-Z	BROWN	0.591	0.433	0.512	0.787	15.0	11.0	13.0	20.0	250
STS 0625-G	GREEN	0.625	0.437	0.531	0.813	15.9	11.1	13.5	20.7	250
STS 0656	CLEAR	0.656	0.500	0.578	1.000	16.7	12.7	14.7	25.4	250
STS 0669-R	RED	0.669	0.510	0.590	1.000	17.0	13.0	15.0	25.4	250
STS 0687	CLEAR	0.687	0.437	0.562	1.000	17.4	11.1	14.3	25.4	250
STS 0709X0787	CLEAR	0.709	0.551	0.630	0.787	18.0	14.0	16.0	20.0	250
STS 0748-B	BLACK	0.748	0.550	0.649	1.000	19.0	14.0	16.5	25.4	250
STS 0787-R	RED	0.787	0.630	0.709	1.000	20.0	16.0	18.0	25.4	100

Current pricing and additional sizes available at www.epsi.com

STS SERIES (CONTINUED)



TECHNICAL DIAGRAM KEY

MJD	Major Diameter
MND	Minor Diameter
MPD	Midpoint Diameter
L	Length

PART NUMBER	COLOR	MJD (in)	MND (in)	MPD (in)	L (in)	MJD (mm)	MND (mm)	MPD (mm)	L (mm)	PCS/ BAG
STS 0812	CLEAR	0.812	0.625	0.719	1.000	20.6	15.9	18.2	25.4	100
STS 0827X0984-R	RED	0.827	0.630	0.729	0.984	21.0	16.0	18.5	25.0	100
STS 0925	CLEAR	0.925	0.750	0.838	1.000	23.5	19.1	21.3	25.4	100
STS 0938-L	YELLOW	0.938	0.708	0.823	1.000	23.8	18.0	20.9	25.4	100
STS 0945-B	BLACK	0.945	0.756	0.851	0.750	24.0	19.2	21.6	19.1	100
STS 0946	CLEAR	0.946	0.709	0.828	1.181	24.0	18.0	21.0	30.0	100
STS 0984X0885	CLEAR	0.984	0.787	0.886	0.885	25.0	20.0	22.5	22.5	100
STS 0990	CLEAR	0.990	0.880	0.935	0.795	25.1	22.4	23.7	20.2	100
STS 1024	CLEAR	1.024	0.787	0.906	1.000	26.0	20.0	23.0	25.4	100
STS 1062X0984	CLEAR	1.062	0.866	0.964	0.984	27.0	22.0	24.5	25.0	100
STS 1063	CLEAR	1.063	0.905	0.984	1.000	27.0	23.0	25.0	25.4	100
STS 1102X1000	CLEAR	1.102	0.945	1.024	1.000	28.0	24.0	26.0	25.4	100
STS 1102X2000	CLEAR	1.102	0.750	0.926	2.000	28.0	19.1	23.5	50.8	100
STS 1220X1181	CLEAR	1.220	0.984	1.102	1.181	31.0	25.0	28.0	30.0	100
STS 1260	CLEAR	1.260	1.024	1.142	1.000	32.0	26.0	29.0	25.4	100
STS 1325X0835	CLEAR	1.325	1.140	1.233	0.835	33.7	29.0	31.3	21.2	100
STS 1338	CLEAR	1.338	1.063	1.201	1.000	34.0	27.0	30.5	25.4	100
STS 1375	CLEAR	1.375	1.180	1.278	1.000	34.9	30.0	32.4	25.4	100
STS 1456	CLEAR	1.456	1.180	1.318	1.000	37.0	30.0	33.5	25.4	100
STS 1535	CLEAR	1.535	1.220	1.378	1.000	39.0	31.0	35.0	25.4	50
STS 1614	CLEAR	1.614	1.300	1.457	1.000	41.0	33.0	37.0	25.4	50
STS 1693	CLEAR	1.693	1.417	1.555	1.000	43.0	36.0	39.5	25.4	50
STS 1732X1575	CLEAR	1.732	1.417	1.575	1.575	44.0	36.0	40.0	40.0	50
STS 1772	CLEAR	1.772	1.457	1.615	1.000	45.0	37.0	41.0	25.4	50
STS 1810	CLEAR	1.810	1.496	1.653	1.000	46.0	38.0	42.0	25.4	50
STS 1968	CLEAR	1.968	1.653	1.811	1.000	50.0	42.0	46.0	25.4	50
STS 2086	CLEAR	2.086	1.770	1.928	1.000	53.0	45.0	49.0	25.4	25
STS 2205	CLEAR	2.205	1.890	2.048	1.000	56.0	48.0	52.0	25.4	25
STS 2362X1772	CLEAR	2.362	1.969	2.166	1.772	60.0	50.0	55.0	45.0	25
STS 2480	CLEAR	2.480	1.968	2.224	1.000	63.0	50.0	56.5	25.4	25
STS 2520	CLEAR	2.520	2.125	2.323	1.000	64.0	54.0	59.0	25.4	25
STS 2677	CLEAR	2.677	2.283	2.480	1.000	68.0	58.0	63.0	25.4	25
STS 2953	CLEAR	2.953	2.440	2.697	1.377	75.0	62.0	68.5	35.0	25
STS 3543	CLEAR	3.543	2.953	3.248	1.535	90.0	75.0	82.5	39.0	10
STS 4055X1535	CLEAR	4.055	3.267	3.661	1.535	103.0	83.0	93.0	39.0	10
STS 5000	CLEAR	5.000	3.543	4.272	1.968	127.0	90.0	108.5	50.0	5

Current pricing and additional sizes available at www.epsi.com

STSH SERIES - SILICONE TAPERED STOPPERS WITH HANDLE



HELPFUL HINTS

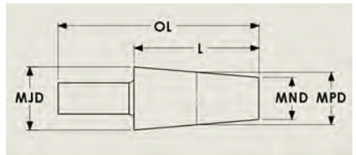
- To find best fit, match hole diameter to plug midpoint diameter
- When masking off both the front and back of a cavity, it is possible to combine two (STS) with hardware to create a liquid tight mask tha resists blow-out
- Silicone Tapered Stoppers with Handles are not recommended for exposure to aggressive chemicals or hydrocarbons
- Tapered Design to Fit a Variety of Hole Diameters
- Compressible for Better Sealing of Both Threaded and Non-Threaded Holes

PRODUCT DESCRIPTION

Our Silicone Tapered Stopper with Handles (STSH) product line is an industry standard for general plugging applications. With many sizes available, holes from 0.020" to 4.710" in diameter can easily be plugged. Our high temperature silicone is specially formulated to ensure reusability and reliability during masking. Use as an alternative to our Silicone Taperped Stoppers (STS) product line.

TECHNICAL DIAGRAM KEY

MJD	Major Diameter
MND	Minor Diameter
MPD	Midpoint Diameter
L	Length
OL	Overall Length



TYPICAL APPLICATIONS

Used as a plug in both threaded and non-threaded holes and in combination with hardware to seal off large cavities

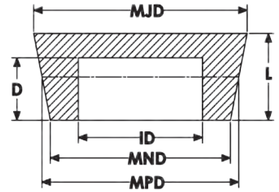
PART NUMBER	COLOR	MJD (IN)	MND (IN)	MPD (IN)	L (IN)	OL (IN)	MJD (MM)	MND (MM)	MPD (MM)	L (MM)	OL (MM)	PCS/ BAG
STSH 0190X0063	PINK	0.190	0.063	0.126	0.620	1.076	4.8	1.6	3.2	15.7	27.3	1000
STSH 0125X0625-L	YELLOW	0.125	0.063	0.094	0.625	1.081	3.2	1.6	2.4	15.9	27.5	1000
STSH 0200X0750-P	PURPLE	0.200	0.100	0.150	0.750	1.206	5.1	2.5	3.8	19.1	30.6	1000
STSH 0250X0750	BLACK	0.250	0.125	0.188	0.750	1.206	6.4	3.2	4.8	19.1	30.6	1000
STSH 0276X0787-W	WHITE	0.276	0.138	0.207	0.787	1.287	7.0	3.5	5.3	20.0	32.7	1000
STSH 0331X0654	RED	0.331	0.171	0.251	0.654	1.110	8.4	4.3	6.4	16.6	28.2	1000
STSH 0375X0750	YELLOW	0.375	0.250	0.313	0.750	1.206	9.5	6.4	7.9	19.1	30.6	100
STSH 0379X0500	WHITE	0.379	0.250	0.315	0.500	0.956	9.6	6.4	8.0	12.7	24.3	100
STSH 0438X0668	GREEN	0.438	0.219	0.329	0.668	1.168	11.1	5.6	8.3	17.0	29.7	500
STSH 0472X0748	BLUE	0.742	0.236	0.489	0.748	1.248	18.8	6.0	12.4	19.0	31.7	500
STSH 0594X1000	YELLOW	0.594	0.297	0.446	1.000	1.500	15.1	7.5	11.3	25.4	38.1	250
STSH 0625X0875	PURPLE	0.625	0.313	0.469	0.875	1.375	15.9	7.9	11.9	22.2	34.9	250
STSH 0500X2000	PURPLE	0.500	0.250	0.375	2.000	2.500	12.7	6.4	9.5	50.8	63.5	250
STSH 0656X1000	PURPLE	0.656	0.500	0.578	1.000	1.456	16.7	12.7	14.7	25.4	37.0	100
STSH 0781X1000	WHITE	0.781	0.391	0.586	1.000	1.500	19.8	9.9	14.9	25.4	38.1	100
STSH 0938X1000	RED	0.938	0.469	0.704	1.000	1.675	23.8	11.9	17.9	25.4	42.5	100
STSH 1000X1000	GREEN	1.000	0.500	0.750	1.000	1.675	25.4	12.7	19.1	25.4	42.5	100
STSH 1024X1000	BLUE	1.024	0.512	0.768	1.000	1.675	26.0	13.0	19.5	25.4	42.5	100

HSTS SERIES - HOLLOW SILICONE TAPERED STOPPERS



PRODUCT DESCRIPTION

Our Hollow Silicone Tapered Stoppers (HSTS) are typically substituted for the same size solid tapered stopper due to their lower cost. With many sizes available, holes from 0.935” to 4.710” in diameter can easily be plugged. Our high temperature silicone is specially formulated to ensure reusability and reliability during masking.Hollow Design Reduces Material and Shipping Cost



TECHNICAL DIAGRAM KEY

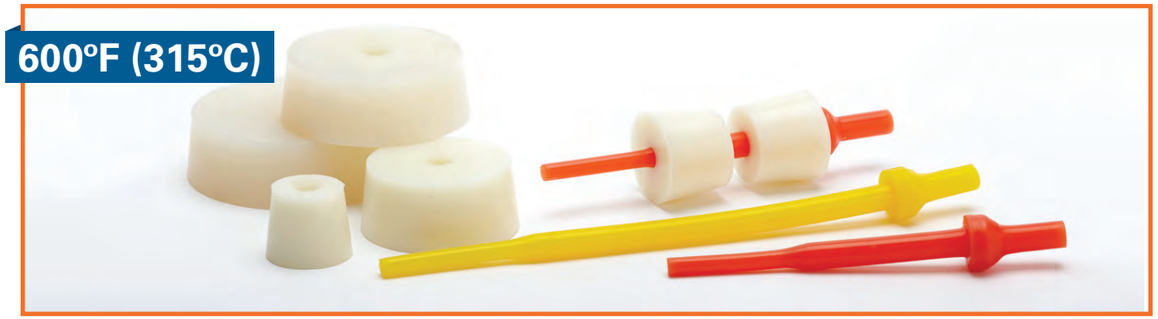
ID	Inner Diameter
MJD	Major Diameter
MND	Minor Diameter
MPD	Midpoint Diameter
D	Depth
L	Length

HSTS SERIES

PART NUMBER	COLOR	ID (in)	MJD (in)	MND (in)	MPD (in)	D (in)	L (in)	ID (mm)	MJD (mm)	MND (mm)	MPD (mm)	D (mm)	L (mm)	PCS/ BAG
HSTS 1063-W	WHITE	0.500	1.063	0.905	0.984	0.750	1.000	12.7	27.0	230	25.0	19.1	25.4	100
HSTS 1102-F	RUSTY	0.500	1.102	0.945	1.024	0.750	1.000	12.7	28.0	24.0	26.0	19.1	25.4	100
HSTS 1260-L	YELLOW	0.610	1.260	1.024	1.142	0.750	1.000	15.5	32.0	26.0	29.0	19.1	25.4	100
HSTS 1338-Z	BROWN	0.750	1.338	1.063	1.201	0.750	1.000	19.1	34.0	27.0	30.5	19.1	25.4	100
HSTS 1456-U	BLUE	0.625	1.456	1.180	1.318	0.710	1.000	15.9	37.0	30.0	33.5	18.0	25.4	100
HSTS 1535-B	BLACK	0.660	1.535	1.220	1.378	0.710	1.000	16.8	39.0	31.0	35.0	18.0	25.4	50
HSTS 1614-R	RED	0.700	1.614	1.300	1.457	0.710	1.000	17.8	41.0	33.0	37.0	18.0	25.4	50
HSTS 1693-Y	GRAY	0.750	1.693	1.417	1.555	0.700	1.000	19.1	43.0	36.0	39.5	17.8	25.4	50
HSTS 1772-N	PINK	0.788	1.772	1.457	1.615	0.715	1.000	20.0	45.0	37.0	41.0	18.2	25.4	50
HSTS 1810-W	WHITE	0.821	1.810	1.496	1.653	0.718	1.000	20.9	46.0	38.0	42.0	18.2	25.4	50
HSTS 1968-F	RUSTY	0.980	1.968	1.653	1.811	0.722	1.000	24.9	50.0	42.0	46.0	18.3	25.4	50
HSTS 2086-G	GREEN	1.100	2.086	1.770	1.928	0.723	1.000	27.9	53.0	45.0	49.0	18.4	25.4	25
HSTS 2205-L	YELLOW	1.220	2.205	1.890	2.048	0.723	1.000	31.0	56.0	48.0	52.0	18.4	25.4	25
HSTS 2480-Z	BROWN	1.285	2.480	1.968	2.224	0.718	1.000	32.6	63.0	50.0	56.5	18.2	25.4	25
HSTS 2520-U	BLUE	1.465	2.520	2.125	2.323	0.720	1.000	37.2	64.0	54.0	59.0	18.3	25.4	25
HSTS 2677-F	RUSTY	1.578	2.677	2.283	2.480	0.719	1.000	40.1	68.0	58.0	63.0	18.3	25.4	25
HSTS 2953-R	RED	1.800	2.953	2.440	2.697	1.000	1.377	45.7	75.0	62.0	68.5	25.4	35.0	25
HSTS 3543-Y	GRAY	2.256	3.543	2.953	3.248	1.200	1.535	57.3	90.0	75.0	82.5	30.5	39.0	10
HSTS 4055-N	PINK	2.568	4.055	3.267	3.661	1.275	1.535	65.2	103.0	83.0	93.0	32.4	39.0	10
HSTS 4750	CLEAR	2.625	4.750	3.543	4.147	2.250	3.423	66.7	120.7	90.0	105.3	57.2	86.9	5
HSTS 5000-W	WHITE	2.760	5.000	3.543	4.272	1.584	1.968	70.1	127.0	90.0	108.5	40.2	50.0	5

Current pricing and additional sizes available at www.epsi.com

SMS SERIES - SILICONE MASKING STOPPERS



PRODUCT DESCRIPTION

Our Silicone Masking Stoppers (SMS) secure masking affected by pressure build-up. Eliminates “pop-out” and rejected parts. Allows a “mix & match” of sizes for specific needs. Easily combines with custom-designed parts for one or both ends. Provides multiple combinations for solutions on the fly

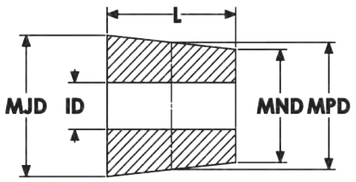
TYPICAL APPLICATIONS

Used as a plug in bores, shafts, tubes or threaded holes

HELPFUL HINTS

- Select stopper whose midpoint diameter is closest to the diameter of the hole you are plugging

SEE NEXT PAGE FOR NEW SIZES!



TECHNICAL DIAGRAM KEY	
ID	Inner Diameter
MJD	Major Diameter
MND	Minor Diameter
MPD	Midpoint Diameter
L	Length

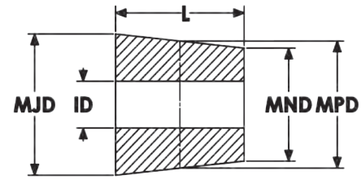
SMS SERIES

PART NUMBER	COLOR	ID (in)	MJD (in)	MND (in)	MPD (in)	L (in)	ID (mm)	MJD (mm)	MND (mm)	MPD (mm)	L (mm)	PCS/ BAG
SMS 0750	CLEAR	0.350	0.855	0.645	0.750	1.000	8.9	21.7	16.4	19.1	25.4	100
SMS 1050	CLEAR	0.350	1.155	0.945	1.050	1.000	8.9	29.3	24.0	26.7	25.4	100
SMS 1250	CLEAR	0.350	1.355	1.140	1.248	1.000	8.9	34.4	29.0	31.7	25.4	100
SMS 1350	CLEAR	0.350	1.455	1.245	1.350	1.000	8.9	37.0	31.6	34.3	25.4	100
SMS 1550	CLEAR	0.350	1.655	1.445	1.550	1.000	8.9	42.0	36.7	39.4	25.4	100
SMS 2050	CLEAR	0.350	2.155	1.945	2.050	1.000	8.9	54.7	49.4	52.1	25.4	50
SMS 2150	CLEAR	0.350	2.255	2.045	2.150	1.000	8.9	57.3	51.9.	54.6	25.4	50
SMS 2550	CLEAR	0.350	2.655	2.445	2.550	1.000	8.9	67.4	62.1	64.8	25.4	50
SMS 3050	CLEAR	0.350	3.155	2.945	3.050	1.000	8.9	80.1	74.8	77.5	25.4	50
SMS 3550	CLEAR	0.350	3.655	3.445	3.550	1.000	8.9	92.8	87.5	90.2	25.4	50

Current pricing and additional sizes available at www.epsi.com

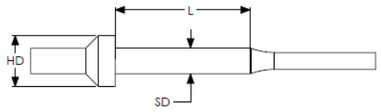
SMS SERIES (CONTINUED)

NEW SIZES!



TECHNICAL DIAGRAM KEY	
ID	Inner Diameter
MJD	Major Diameter
MND	Minor Diameter
MPD	Midpoint Diameter
L	Length

PART NUMBER	COLOR	ID (in)	MJD (in)	MND (in)	MPD (in)	L (in)	ID (mm)	MJD (mm)	MND (mm)	MPD (mm)	L (mm)	PCS/ BAG
SMS 0650	CLEAR	0.350	0.755	0.545	0.650	1.000	8.9	19.2	13.8	16.5	25.4	50
SMS 0850	CLEAR	0.350	0.955	0.745	0.850	1.000	8.9	24.3	18.9	21.6	25.4	50
SMS 0950	CLEAR	0.350	1.055	0.845	0.950	1.000	8.9	26.8	21.5	24.1	25.4	50
SMS 1150	CLEAR	0.350	1.255	1.045	1.150	1.000	8.9	31.9	26.5	29.2	25.4	50
SMS 1450	CLEAR	0.350	1.555	1.345	1.450	1.000	8.9	39.5	34.2	36.8	25.4	50
SMS 1650	CLEAR	0.350	1.755	1.545	1.650	1.000	8.9	44.6	39.2	41.9	25.4	50
SMS 1850	CLEAR	0.350	1.955	1.745	1.850	1.000	8.9	49.7	44.3	47.0	25.4	25
SMS 1950	CLEAR	0.350	2.055	1.845	1.950	1.000	8.9	52.2	46.9	49.5	25.4	25
SMS 2250	CLEAR	0.350	2.355	2.145	2.250	1.000	8.9	59.8	54.5	49.5	25.4	25
SMS 2350	CLEAR	0.350	2.455	2.245	2.350	1.000	8.9	62.4	57.0	57.2	25.4	25
SMS 2450	CLEAR	0.350	2.555	2.345	2.450	1.000	8.9	64.9	59.6	62.2	25.4	25
SMS 2650	CLEAR	0.350	2.755	2.545	2.650	1.000	8.9	70.0	64.6	67.3	25.4	25



TECHNICAL DIAGRAM KEY	
SD	Stem Length
HD	Head Diameter
L	Length

TSS SERIES - SILICONE MASKING STEM
(TOMS STYLE STEM TSS)

PART NUMBER	COLOR	ID (in)	MJD (in)	MND (in)	PCS/BAG
TSS 2000	ORANGE	0.380	2.000	0.750	25
TSS 5000	YELLOW	0.375	5.000	0.750	25
TSS 12000	GREEN	0.375	12.000	0.750	25
TSS 15000	BLUE	0.375	15.000	0.750	25

Current pricing and additional sizes available at www.epsi.com

CRKR SERIES - CORK STOPPERS



CORK IS GREEN MASKING

PRODUCT DESCRIPTION

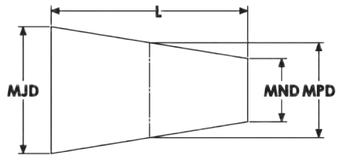
Our Cork Stopper (CRKR) product line is an economical solution for wet spray applications and low temp powder coating or where it is necessary to leave the plug in for shipping. With many sizes available, holes from 0.120" to 2.125" in diameter can easily be plugged

TYPICAL APPLICATIONS

Tapered to Fit a Variety of Hole Diameters. Economical Cork Material is Ideal for Wet Paint and Shipping Applications

HELPFUL HINTS

- Cork Stoppers can be easily trimmed for shallow cavities
- Select stopper whose midpoint diameter is closest to the diameter of the hole you are plugging



TECHNICAL DIAGRAM KEY

MJD	Major Diameter
MND	Minor Diameter
MPD	Midpoint Diameter
L	Length

CRKR SERIES

PART NUMBER	MJD (in)	MND (in)	MPD (in)	L (in)	MJD (mm)	MND (mm)	MPD (mm)	L (mm)	PCS/ BAG
CRKR 0189	0.189	0.094	0.142	0.500	4.8	2.4	3.6	12.7	1000
CRKR 0248	0.248	0.157	0.203	0.500	6.3	4.0	5.1	12.7	1000
CRKR 0311	0.311	0.217	0.264	0.500	7.9	5.5	6.7	12.7	1000
CRKR 0374	0.374	0.280	0.327	0.500	9.5	7.1	8.3	12.7	1000
CRKR 0437	0.437	0.327	0.382	0.626	11.1	8.3	9.7	15.9	500
CRKR 0500	0.500	0.378	0.439	0.689	12.7	9.6	11.2	17.5	250
CRKR 0563	0.563	0.436	0.500	0.748	14.3	11.1	12.7	19.0	250
CRKR 0626	0.626	0.469	0.548	0.811	15.9	11.9	13.9	20.6	250
CRKR 0689	0.689	0.531	0.610	0.874	17.5	13.5	15.5	22.2	250
CRKR 0748	0.748	0.579	0.664	0.937	19.0	14.7	16.9	23.8	100
CRKR 0799	0.799	0.626	0.713	1.000	20.3	15.9	18.1	25.4	100
CRKR 0874	0.874	0.673	0.774	1.063	22.2	17.1	19.6	27.0	100
CRKR 0937	0.937	0.732	0.835	1.126	23.8	18.6	21.2	28.6	100
CRKR 1000	1.000	0.764	0.882	1.252	25.4	19.4	22.4	31.8	100

Current pricing and additional sizes available at www.epsi.com

BTM & C-BTM SERIES - THREAD MASK PLUGS



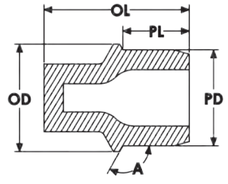
PRODUCT DESCRIPTION

Our Blind-Hole Threaded Mask (BTM & C-BTM) product line is the answer to the common problem of masking off blind threaded holes. The BTM & C-BTMproduct line has several features engineered into their design to ensure complete sealing of threads. The C-BTM product line was designed to meet specific OEM requirements and has several features engineered into the design to ensure complete sealing of threads

HELPFUL HINTS

- Shallow Design is Ideal for Blind Hole Applications and Female Threads
- Flange Geometry is Specially Engineered to Mask off Lead-In Chamfers of Threads
- Make Sure Diameter of Mask is at Least 5% Greater than Hole Size
- Removes Cleanly After Use with No Shrinkage

BTM SERIES

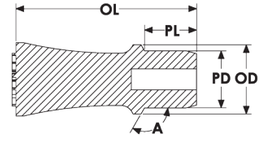


TECHNICAL DIAGRAM KEY

OL	Overall Length
PD	Plug Diameter
A	Angle
PL	Plug Length
OD	Outter Diameter



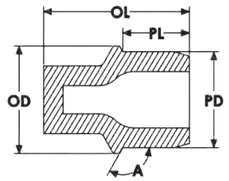
C-BTM SERIES



TECHNICAL DIAGRAM KEY

OL	Overall Length
PD	Plug Diameter
A	Angle
PL	Plug Length
OD	Outter Diameter

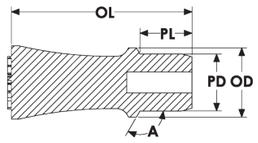
BTM & C-BTM SERIES (CONTINUED)



TECHNICAL DIAGRAM KEY	
OL	Overall Length
PD	Plug Diameter
A	Angle
PL	Plug Length
OD	Outter Diameter

BTM SERIES

PART NUMBER	COLOR	OL (in)	PD (in)	A	PL (in)	OD (in)	OL (mm)	PD (mm)	PL (mm)	OD (mm)	PCS/ BAG
BTM 0208-C	CLEAR	0.551	0.208	120°	0.215	0.248	14.0	5.3	5.5	6.3	500
BTM 0218-L	YELLOW	0.449	0.218	120°	0.201	0.260	11.4	5.5	5.1	6.6	500
BTM 0278-G	GREEN	0.500	0.278	120°	0.201	0.319	12.7	7.1	5.1	8.1	500
BTM 0283-U	BLUE	0.480	0.283	120°	0.197	0.331	12.2	7.2	5.0	8.4	500
BTM 0336-W	WHITE	0.598	0.336	120°	0.252	0.386	15.2	8.5	6.4	9.8	500
BTM 0358-N	PINK	0.591	0.358	120°	0.276	0.409	15.0	9.1	7.0	10.4	250
BTM 0392-O	ORANGE	0.752	0.392	100°	0.350	0.441	19.1	10.0	8.9	11.2	250
BTM 0426-F	RUSTY	0.791	0.426	120°	0.346	0.492	20.1	10.8	8.8	12.5	250
BTM 0451-C	CLEAR	0.752	0.451	120°	0.350	0.512	19.1	11.5	8.9	13.0	250
BTM 0583-G	GREEN	0.906	0.583	120°	0.433	0.654	23.0	14.8	11.0	16.6	100
BTM 0724-L	YELLOW	1.122	0.724	120°	0.512	0.811	28.5	18.4	13.0	20.6	100



TECHNICAL DIAGRAM KEY	
OL	Overall Length
PD	Plug Diameter
A	Angle
PL	Plug Length
OD	Outter Diameter

C-BTM SERIES

PART NUMBER	COLOR	OD (in)	OL (in)	PD (in)	A	PL (in)	OD (mm)	OL (mm)	PD (mm)	PL (mm)	PCS/ BAG
C-BTM M06	BLUE	0.265	0.693	0.218	120°	0.200	6.7	17.6	5.5	5.1	500
C-BTM M08	RED	0.360	0.860	0.292	120°	0.270	9.1	21.8	7.4	6.9	500
C-BTM M10	GREEN	0.480	0.860	0.358	120°	0.235	12.2	21.8	9.1	6.0	250
C-BTM M12	YELLOW	0.540	0.860	0.435	120°	0.240	13.7	21.8	11.0	6.1	250
C-BTM M16	ORANGE	0.700	1.091	0.590	120°	0.370	17.8	27.7	15.0	9.4	100

Current pricing and additional sizes available at www.epsi.com

DFP SERIES - DUAL FLANGED PUSH PLUG

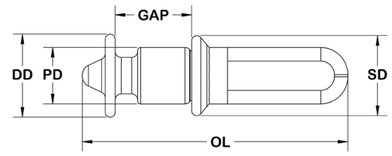


HELPFUL HINTS

- **Fast and Easy:** Ergo-designed handle allows for quick installation and removal
- **Convenient:** Designed to fit the most common metric and English weld nut sizes
- **Durable:** Made with NE-G high-grade, high-temp silicone to stand up to abuse and repeated use

PRODUCT DESCRIPTION

Weld-Tite™(DFP) is engineered to allow for repeated use. These dual flanged push plugs are the perfect alternative to traditional dual washer pull plugs in applications where access to the weld nut is limited. Designed to fit the most common metric and english weld nut sizes. These durable pull plugs effectively mask off the chamfer and threads



TECHNICAL DIAGRAM KEY	
PD	Plug Diameter
GAP	Gap
DD	Disc Diameter
SD	Stop Disc Diameter
OL	Overall Length

DFP SERIES

PART NUMBER	COLOR	PD	GAP	DD	SD	OL	PCS/BAG
DFP-250M06-SU	BLUE	0.187	0.254	0.275	0.265	0.882	500
DFP-313M08-SL	YELLOW	0.247	0.281	0.370	0.360	1.203	500
DFP-375M10-SF	RUSTY RED	0.303	0.327	0.460	0.450	1.370	250
DFP-500M12-SR	RED	0.392	0.379	0.550	0.540	1.680	250
DFP-625M16-SO	ORANGE	0.521	0.481	0.355	0.700	2.103	100

Current pricing and additional sizes available at www.epsi.com

TPP SERIES - TRIPLE PUSH PLUGS

600ºF (315ºC)



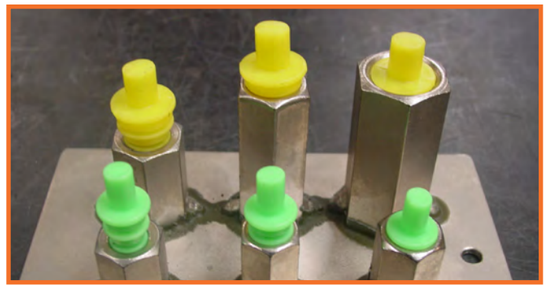
AVAILABLE IN CUSTOM COLORS

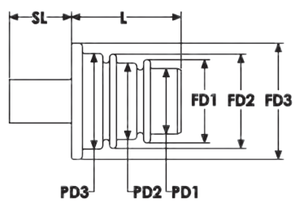
PRODUCT DESCRIPTION

One TPP will mask three threaded holes, provide improved chamfered lead coverage and be easier to apply uniformly than the FLPS. Furthermore, since one TPP masks three threaded hole sizes, using it translates into savings as you only have to purchase one plug instead of three Alternative solution to FLPS and BTM

HELPFUL HINTS

- When insetting TPPs, simply push and twist in threaded hole





TECHNICAL DIAGRAM KEY	
FD1	Flange Diameter 1
FD2	Flange Diameter 2
FD3	Flange Diameter 3
PD1	Plug Diameter 1
PD2	Plug Diameter 2
PD3	Plug Diameter 3
L	Length
SL	Stem Length

TPP SERIES

PART NUMBER	COLOR	FD1 (in)	FD2 (in)	FD3 (in)	PD1 (in)	PD2 (in)	PD3 (in)	L (in)	SL (in)	FD1 (mm)	FD2 (mm)	FD3 (mm)	L (mm)	PD1 (mm)	PD2 (mm)	PD3 (mm)	SL (mm)	PCS/ BAG
TPP 0375X0500	GREEN	0.425	0.488	0.550	0.318	0.374	0.438	0.805	0.456	10.795	12.395	13.97	20.447	8.077	11.125	11.125	11.582	100
TPP 0563X0750	YELLOW	0.613	0.675	0.800	0.490	0.537	0.662	0.835	0.456	15.570	17.145	20.32	21.209	12.446	13.640	16.815	11.582	100

Current pricing and additional sizes available at www.epsi.com

FLPE SERIES - EPDM FLANGELESS PLUGS
FLPS SERIES - SILICONE FLANGELESS PLUGS

475ºF (245ºC)



FLPE SERIES

600ºF (315ºC)



AVAILABLE IN CUSTOM COLORS

FLPS SERIES

PRODUCT DESCRIPTION

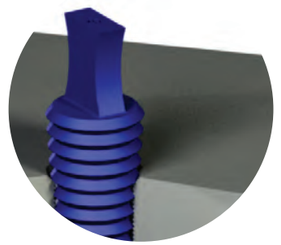
EPSI's Flangeless Plug (FLPS or FLPE) product line is specifically designed to mask threaded holes, including the top thread, without masking the surrounding area The tapered ribs and hollow core allow for many different size holes to be masked, regardless of the thread pitch Imitation plugs have rounded ribs that do not offer the same degree of protection as EPSI's FLPS line. Made of a rugged blend of our High Temperature Silicone, the FLPS has excellent sealing characteristics and reusability

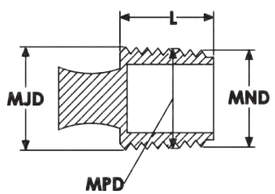
HELPFUL HINTS

- Silicone Flangeless Plugs are designed to be inserted via direct pressure. EPSI does not recommend threading these plugs into place, as threading may cause damage to the plug and difficulty during removal
- Due to the low tear resistance of Silicone, do not use tools (such as pliers) to remove plugs
- Tapered ribs and hollow core allow for masking of multiple sizes of holes
- Sharp rib profile offers excellent chamfer coverage
- Specially formulated to be rigid, allowing plug to be pushed into place

TYPICAL APPLICATIONS

Used as a plug for threaded holes, including the top thread



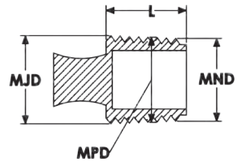


TECHNICAL DIAGRAM KEY	
MJD	Major Diameter
MND	Minor Diameter
MPD	Midpoint Diameter
L	Length

FLPE & FLPS SERIES (CONTINUED)

FLPE SERIES

475°F (245°C)



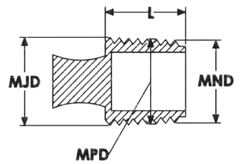
TECHNICAL DIAGRAM KEY

MJD	Major Diameter
MND	Minor Diameter
MPD	Midpoint Diameter
L	Length

PART NUMBER	COLOR	MJD (in)	MND (in)	MPD (in)	L (in)	MJD (mm)	MND (mm)	MPD (mm)	L (mm)	PCS/ BAG
FLPE 00402-B	BLACK	0.157	0.079	0.118	0.748	4.0	2.0	3.0	19.0	500
FLPE 00604-B	BLACK	0.236	0.157	0.197	1.000	6.0	4.0	5.0	25.4	250
FLPE 00806-B	BLACK	0.315	0.236	0.276	1.000	8.0	6.0	7.0	25.4	250
FLPE 01008-B	BLACK	0.394	0.315	0.355	1.000	10.0	8.0	9.0	25.4	250
FLPE 01210-B	BLACK	0.472	0.394	0.433	1.000	12.0	10.0	11.0	25.4	250
FLPE 01412-B	BLACK	0.551	0.472	0.512	1.000	14.0	12.0	13.0	25.4	250
FLPE 01614-B	BLACK	0.630	0.551	0.591	1.000	16.0	14.0	15.0	25.4	250
FLPE 01816-B	BLACK	0.709	0.630	0.670	1.000	18.0	16.0	17.0	25.4	250
FLPE 02018-B	BLACK	0.787	0.709	0.748	1.000	20.0	18.0	19.0	25.4	100
FLPE 02220-B	BLACK	0.886	0.787	0.837	1.000	22.5	20.0	21.2	25.4	100
FLPE 02422-B	BLACK	0.945	0.886	0.916	1.000	24.0	22.5	23.3	25.4	100
FLPE 02624-B	BLACK	1.024	0.945	0.985	1.000	26.0	24.0	25.0	25.4	100
FLPE 02826-B	BLACK	1.102	1.024	1.063	1.000	28.0	26.0	27.0	25.4	100
FLPE 03229-B	BLACK	1.250	1.125	1.188	1.000	31.8	28.6	30.2	25.4	100

FLPS SERIES

600°F (315°C)



TECHNICAL DIAGRAM KEY

MJD	Major Diameter
MND	Minor Diameter
MPD	Midpoint Diameter
L	Length

PART NUMBER	COLOR	MJD (in)	MND (in)	MPD (in)	L (in)	MJD (mm)	MND (mm)	MPD (mm)	L (mm)	PCS/ BAG
FLPS 00402-N	PINK	0.157	0.079	0.118	0.748	4.0	2.0	3.0	19.0	500
FLPS 00604-C	CLEAR	0.236	0.157	0.197	1.000	6.0	4.0	5.0	25.4	250
FLPS 00806-Y	GRAY	0.315	0.236	0.276	1.000	8.0	6.0	7.0	25.4	250
FLPS 01008-F	RUSTY	0.394	0.315	0.355	1.000	10.0	8.0	9.0	25.4	250
FLPS 01210-U	BLUE	0.472	0.394	0.433	1.000	12.0	10.0	11.0	25.4	250
FLPS 01412-C	CLEAR	0.551	0.472	0.512	1.000	14.0	12.0	13.0	25.4	250
FLPS 01614-Y	GRAY	0.630	0.551	0.591	1.000	16.0	14.0	15.0	25.4	250
FLPS 01816-F	RUSTY	0.709	0.630	0.670	1.000	18.0	16.0	17.0	25.4	250
FLPS 02018-U	BLUE	0.787	0.709	0.748	1.000	20.0	18.0	19.0	25.4	100
FLPS 02220-C	CLEAR	0.886	0.787	0.837	1.000	22.5	20.0	21.2	25.4	100
FLPS 02422-Y	GRAY	0.945	0.886	0.916	1.000	24.0	22.5	23.3	25.4	100
FLPS 02624-F	RUSTY	1.024	0.945	0.985	1.000	26.0	24.0	25.0	25.4	100
FLPS 02826-U	BLUE	1.102	1.024	1.063	1.000	28.0	26.0	27.0	25.4	100

Current pricing and additional sizes available at www.epsi.com

LTP SERIES - LIQUI-TITE PLUGS

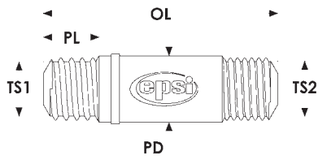


HELPFUL HINTS

- Innovative: The best way to seal threaded holes
- Self Sealing: spiral threads lock out liquids
- Fast and Easy: just push and twist
- Versatile: Coarse and fine threads on one piece
- Durable: High-durometer silicone takes repeated uses at high temps
- Perfect Fit: Designed by our experienced engineering team

PRODUCT DESCRIPTION

The EPSI Guarantee means we listen when you tell us about the masking you do. We heard you say that regular silicone plugs do not seal out liquids well enough for plating, anodizing and e-coating. So we created the new EPSI Liqui-Tite™ Plug with spiral threads, perfectly matched to the holes you are masking. We designed a full range of the most common sizes, with coarse and fine threads on each piece for maximum versatility. Just press the plug straight into a threaded hole, give it a half-twist to seat it, and you're ready to paint, plate, or powder coat with confidence



TECHNICAL DIAGRAM KEY

TS1	Thread Size (Coarse End)
TS2	Thread Size (Fine End)
PL	Plug Length
OL	Overall Length
PD	Plug Diameter

LTP SERIES

PART NUMBER	COLOR	TS1	TS2	PL (in)	OL (in)	PD (in)	PL (mm)	OL (mm)	PD (mm)	PCS/ BAG
LTP-138-SC	CLEAR	#6-32	#6-32	0.327	1.375	0.153	8.3	34.9	3.9	500
LTP-164-SP	PURPLE	#8-32	#8-36	0.327	1.375	0.179	8.3	34.9	4.5	500
LTP-190-SN	PINK	#10-24	#10-32	0.327	1.375	0.205	8.3	34.9	5.2	500
LTP-250-SO	ORANGE	1/4-20	1/4-28	0.327	1.375	0.265	8.3	34.9	6.7	500
LTP-313-SG	GREEN	5/16-18	5/16-24	0.327	1.375	0.328	8.3	34.9	8.3	500
LTP-375-SY	GRAY	3/8-16	3/8-24	0.327	1.375	0.390	8.3	34.9	9.9	250
LTP-500-SI	IVORY	1/2-13	1/2-20	0.327	1.375	0.515	8.3	34.9	13.1	250
LTP-M06-SU	BLUE	M6x1	M6X0.75	0.327	1.375	0.251	8.3	34.9	6.4	500
LTP-M08-SL	YELLOW	M8X1.25	M8X0.75	0.327	1.375	0.330	8.3	34.9	8.4	500
LTP-M10-SF	RUSTY	M10X1.5	M10X1.25	0.327	1.375	0.409	8.3	34.9	10.4	250
LTP-M12-SR	RED	M12X1.5	M12X1.25	0.327	1.375	0.487	8.3	34.9	12.4	250

Current pricing and additional sizes available at www.epsi.com

SOMS SERIES - SINK-O-MASK PLUGS

600ºF (315ºC)



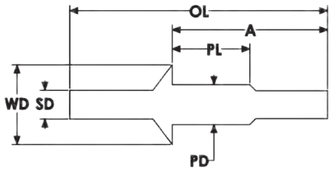
HELPFUL HINTS

- When plugging a hole, make sure the plug diameter is larger than the diameter of the hole being plugged by at least 5%
- Sink-O-Mask™ Plugs feature pull tabs for easy removal after coating

PRODUCT DESCRIPTION

The Sink-O-Mask™ (SOM™) should be used where it is necessary to protect both a through hole and its surrounding washer area. The tapered design of the flange resists lifting at the edges for a clean finish





TECHNICAL DIAGRAM KEY	
OL	Overall Length
PD	Plug Diameter
A	A Length
PL	Plug Length
WD	Washer Diameter
SD	Stem Diameter

SOMS SERIES

PART NUMBER	COLOR	OL (in)	PD (in)	A (in)	PL (in)	WD (in)	SD (in)	OL (mm)	PD (mm)	A (mm)	PL (mm)	WD (mm)	SD (mm)	PCS/ BAG
SOMS X2012-C	CLEAR	1.920	0.118	1.448	0.433	0.197	0.138	48.8	3.0	36.8	11.0	5.0	3.5	500
SOMS X3116-C	CLEAR	1.232	0.157	0.787	0.394	0.311	0.118	31.3	4.0	20.0	10.0	7.9	3.0	500
SOMS X4016-C	CLEAR	1.378	0.157	0.821	0.394	0.394	0.138	35.0	4.0	20.9	10.0	10.0	3.5	500
SOMS X4020-C	CLEAR	1.307	0.197	0.787	0.394	0.394	0.138	33.2	5.0	20.0	10.0	10.0	3.5	500
SOMS X4032-C	CLEAR	1.575	0.315	0.984	0.394	0.394	0.138	40.0	8.0	25.0	10.0	10.0	3.5	500
SOMS X4816-C	CLEAR	2.081	0.157	1.541	0.500	0.472	0.394	52.9	4.0	39.1	12.7	12.0	10.0	500
SOMS X5317-C	CLEAR	1.437	0.165	0.846	1.437	0.53	0.165	36.5	4.2	21.5	36.5	13.5	4.2	500
SOMS X6020-C	CLEAR	1.606	0.197	1.016	0.394	0.591	0.197	40.8	5.0	25.8	10.0	15.0	5.0	250
SOMS X6024-C	CLEAR	1.378	0.236	0.787	0.394	0.591	0.197	35.0	6.0	20.0	10.0	15.0	5.0	250
SOMS X6032-C	CLEAR	1.555	0.315	0.994	0.394	0.591	0.197	39.5	8.0	25.2	10.0	15.0	5.0	250
SOMS X6540-C	CLEAR	1.762	0.394	1.169	0.382	0.649	0.295	44.8	10.0	29.7	9.7	16.5	7.5	250
SOMS X7940-C	CLEAR	1.783	0.394	1.177	0.394	0.787	0.295	45.3	10.0	29.9	10.0	20.0	7.5	100
SOMS X7948-C	CLEAR	1.862	0.472	1.272	0.394	0.787	0.295	47.3	12.0	32.3	10.0	20.0	7.5	100

Current pricing and additional sizes available at www.epsi.com

TIPS SERIES - TUBE INSERT PLUGS

600ºF (315ºC)



AVAILABLE IN CUSTOM COLORS

TYPICAL APPLICATIONS

Plugging of tube and pipe ends

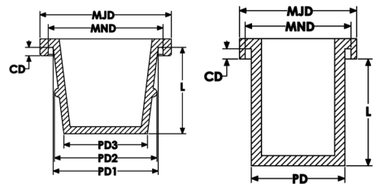
HELPFUL HINTS

- When plugging a hole, make sure that the major diameter of the plug is at least 10% larger than the diameter of the hole being plugged
- Flat washer will cover only the tube end
- U-Channel washer can extend over tube end
- Well suited for liquid tight seal, and resistance to blow-out

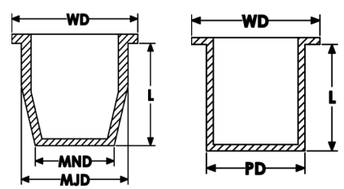
PRODUCT DESCRIPTION

Our Tube Insert Plugs (TIPS) are an inexpensive alternative to stoppers. Especially well suited as a liquid tight seal when a large plug diameter is compressed into a small hole. The design of the TIPS resists blow-out when compared to a tapered stopper

U-CHANNEL



FLAT



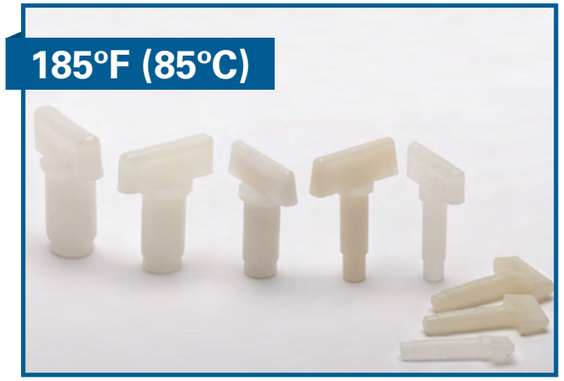
TECHNICAL DIAGRAM KEY	
MJD	Major Diameter
MND	Minor Diameter
PD	Plug Diameter
PD1	Plug Diameter 1
PD2	Plug Diameter 2
PD3	Plug Diameter 3
CD	Channel Depth
WD	Washer Diameter
L	Length

TIPS SERIES

PART NUMBER	COLOR	MJD (in)	MND (in)	PD (in)	PD1 (in)	PD2 (in)	PD3 (in)	CD (in)	WD (in)	L (in)	MJD (mm)	MND (mm)	PD (mm)	PD1 (mm)	PD2 (mm)	PD3 (mm)	CD (mm)	WD (mm)	L (mm)	PCS/ BAG	OPEN/ CLOSED
TIPS 022033-F	RUSTY	1.272	1.072	0.858	X	X	X	0.130	1.272	1.339	32.3	27.2	21.8	X	X	X	3.3	32.3	34.0	100	CLOSED
TIPS 027034-U	BLUE	X	X	0.941	X	X	X	X	1.335	0.980	X	X	23.9	X	X	X	X	33.9	24.9	100	CLOSED
TIPS 029037-F	RUSTY	1.449	1.309	1.157	X	X	X	0.126	X	1.449	36.8	33.2	29.4	X	X	X	3.2	X	36.8	100	CLOSED
TIPS 031041-F	RUSTY	X	X	1.228	X	X	X	X	1.598	1.063	X	X	31.2	X	X	X	X	40.6	27.0	100	CLOSED
TIPS 033039-F	RUSTY	1.299	0.961	X	X	X	X	X	1.535	1.201	33.0	24.4	X	X	X	X	X	39.0	30.5	100	CLOSED
TIPS 038048-F	RUSTY	1.870	1.634	X	1.495	1.460	1.190	0.120	X	1.319	47.5	41.5	X	38.0	37.1	30.2	3.0	X	33.5	100	CLOSED
TIPS 042052-F	RUSTY	2.035	1.862	1.645	X	X	X	0.199	X	2.035	51.7	47.3	41.8	X	X	X	5.1	X	51.7	100	CLOSED
TIPS 047056-F	RUSTY	2.201	2.040	1.850	X	X	X	0.170	X	1.500	55.9	51.8	47.0	X	X	X	4.3	X	38.1	50	OPEN

Available in other colors as a custom order.
Current pricing and additional sizes available at www.epsi.com

TNM SERIES - THREAD-N-MASK PLUG



HELPFUL HINTS

- Insert the lead-in smaller diameter squarely into the threaded hole. Begin twisting the TNM plug. The TNM will begin to take on the shape of the threads, forming a leak-proof seal
- It is recommended that at least 1/4 of the plug be threaded into the hole

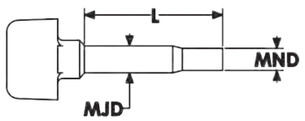


PRODUCT DESCRIPTION

The Thread-N-Mask (TNM) plugs are self-tapping. Made from a pliable LDPE plastic, these plugs offer excellent chemical resistance. They are inexpensive enough to be used only one-time

TYPICAL APPLICATIONS

Plugging threaded holes in plating and anodizing applications



TECHNICAL DIAGRAM KEY

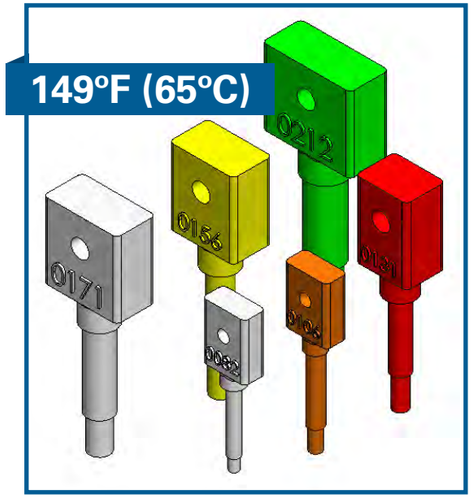
MJD	Major Diameter
MND	Minor Diameter
L	Length

TNM SERIES

PART NUMBER	COLOR	MJD (in)	MND (in)	L (in)	MJD (mm)	MND (mm)	L (mm)	PCS/ BAG
TNM 0082	WHITE	0.082	0.062	0.660	2.1	1.6	16.8	500
TNM 0100	WHITE	0.100	0.080	0.600	2.5	2.0	15.2	500
TNM 0106	WHITE	0.106	0.085	0.668	2.7	2.2	17.0	500
TNM 0120	WHITE	0.120	0.095	0.735	3.0	2.4	18.7	500
TNM 0131	WHITE	0.131	0.105	0.803	3.3	2.7	20.4	500
TNM 0156	WHITE	0.156	0.136	0.780	4.0	3.5	19.8	500
TNM 0171	WHITE	0.171	0.143	0.800	4.3	3.6	20.3	500
TNM 0186	WHITE	0.186	0.150	0.820	4.7	3.8	20.8	250
TNM 0212	WHITE	0.212	0.180	0.895	5.4	4.6	22.7	250
TNM 0270	WHITE	0.270	0.210	1.120	6.9	5.3	28.4	250
TNM 0335	WHITE	0.335	0.295	0.890	8.5	7.5	22.6	250
TNM 0400	WHITE	0.400	0.348	1.005	10.2	8.8	25.5	250
TNM 0470	WHITE	0.470	0.400	1.120	11.9	10.2	28.4	250

Current pricing and additional sizes available at www.epsi.com

ETNM SERIES - ERGONOMIC THREAD-N-MASK PLUGS



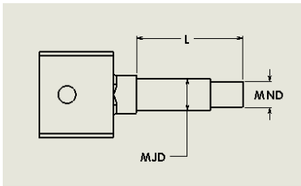
HELPFUL HINTS

NEW!

- Insert the lead-in smaller diameter squarely into the threaded hole. Begin twisting the ETNM plug. The ETNM will begin to take on the shape of the threads, forming a leak-proof seal
- It is recommended that at least 1/4 of the plug be threaded into the hole

PRODUCT DESCRIPTION

The ETNM's are self tapping. Made from HDPE plastic, these plugs offer the excellent chemical resistance our TNM are known for, but with an ergonomically designed handle. The HDPE material also makes application much easier. The design also incorporates a through hole, where hanging light parts may be needed



TECHNICAL DIAGRAM KEY

MJD	Major Diameter
MND	Minor Diameter
L	Length

ETNM SERIES

PART NUMBER	COLOR	MJD (in)	MND (in)	L (in)	MJD (mm)	MND (mm)	L (mm)	PCS/ BAG	TYPICAL APPLICATION
ETNM 0082	CLEAR	0.078	0.060	0.530	2.0	1.5	13.5	500	#2-56 AND #2-64 THREADS
ETNM 0106	ORANGE	0.103	0.080	0.621	2.6	2.0	15.8	500	#4-40 AND #4-48 THREADS
ETNM 0131	RED	0.126	0.100	0.709	3.2	2.5	18.0	500	#6-32 AND #6-40 THREADS
ETNM 0156	YELLOW	0.150	0.130	0.791	3.8	3.3	20.1	500	#8-32 AND #8-36 THREADS
ETNM 0171	CLEAR	0.175	0.143	0.791	4.4	3.6	20.1	500	#10-24 AND #10-32 THREADS
ETNM 0212	GREEN	0.232	0.191	0.771	5.9	4.9	19.6	250	1/4-20 AND 1/4-28 THREADS

Current pricing and additional sizes available at www.epsi.com

TOPS SERIES - SHALLOW TUBE PLUGS

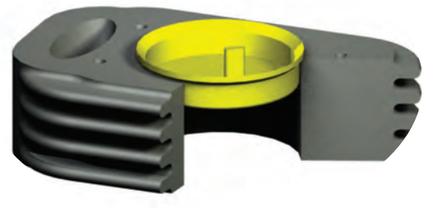


HELPFUL HINTS

- When plugging a hole, make sure that the major diameter of the plug is at least 10% larger than the diameter of the hole being plugged
- Mask both ends of shallow machined bores with two plugs
- Off-Set Handle for Easy Removal

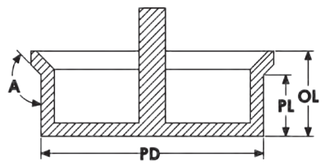
PRODUCT DESCRIPTION

The TOPS hollow body compresses against the inside walls of a bore to create a liquid/air tight seal. TOPS are especially effective when a large diameter, yet shallow through hole must be plugged on both sides. Traditional stoppers can "bottom-out" against each other before a correct seal is accomplished



TYPICAL APPLICATIONS

Masking chamfered and machined bores, creating liquid tight seal for E-coat and plating applications, plugging off large diameter shallow bores



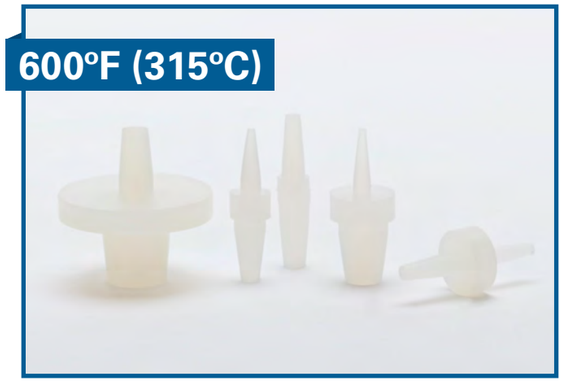
TECHNICAL DIAGRAM KEY	
OL	Overall Length
PD	Plug Diameter
A	Angle
PL	Plug Length

TOPS SERIES

PART NUMBER	COLOR	A	OL (in)	PD (in)	PL (in)	OL (mm)	PD (mm)	PL (mm)	PCS/ BAG
TOPS 036020-L	YELLOW	90	0.320	1.400	0.200	8.1	35.6	5.1	100
TOPS 041016-L	YELLOW	130	0.624	1.597	0.434	15.8	40.3	11.0	100
TOPS 041016-L	YELLOW	90	0.232	1.791	0.150	5.9	45.5	3.8	100
TOPS 041016-L	YELLOW	90	0.744	1.831	0.602	18.9	46.5	15.3	50
TOPS 075015-L	YELLOW	90	0.791	2.933	0.706	20.1	74.5	17.9	50
TOPS 090034-L	YELLOW	120	1.348	3.544	1.180	34.2	90	30	25

Current pricing and additional sizes available at www.epsi.com

WP SERIES - WASHER PLUGS



HELPFUL HINTS

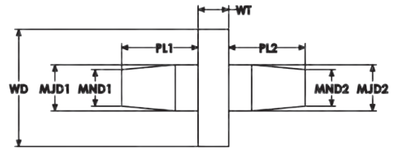
- When plugging a hole, make sure the major diameter of the plug is 2-4% larger than the diameter of the hole
- Twisting the plug as it is inserted will aid in installation
- Silicone plugs are not recommended for exposure to aggressive chemicals or hydrocarbons
- Tapered design for easy insertion
- Washer masks grounding area around holes
- One plug can be used to plug two different hole Diameters
- Second plug acts as a handle

PRODUCT DESCRIPTION

Our Washer Plug (WP) sizes are conveniently grouped first by washer diameter and then by the larger plug diameter Many other combinations are possible. If you don't see the size you need listed, call an EPSI representative for other options

TYPICAL APPLICATIONS

Plugging threaded and non-threaded blind holes with grounding area



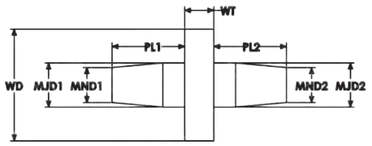
TECHNICAL DIAGRAM KEY	
MJD1	Major Diameter 1
MJD2	Major Diameter 2
MND1	Minor Diameter 1
MND2	Minor Diameter 2
PL1	Plug Length 1
PL2	Plug Length 2
WD	Washer Diameter
WT	Washer Thickness

WP SERIES

PART NUMBER	COLOR	MJD1 (in)	MJD2 (in)	MND1 (in)	MND2 (in)	PL1 (in)	PL2 (in)	WD (in)	WT (in)	MJD1 (mm)	MJD2 (mm)	MND1 (mm)	MND2 (mm)	PL1 (mm)	PL2 (mm)	WD (mm)	WT (mm)	PCS/ BAG
WP103-250-130	CLEAR	0.103	0.130	0.069	0.103	0.500	0.500	0.250	0.200	2.6	3.3	1.8	2.6	12.7	12.7	6.4	5.1	1000
WP130-250-140	CLEAR	0.130	0.140	0.069	0.079	0.500	0.500	0.250	0.200	3.3	3.6	1.8	2.0	12.7	12.7	6.4	5.1	1000
WP130-250-200	CLEAR	0.130	0.200	0.069	0.139	0.500	0.500	0.250	0.200	3.3	5.1	1.8	3.5	12.7	12.7	6.4	5.1	1000
WP130-312-155	CLEAR	0.130	0.155	0.069	0.094	0.500	0.500	0.312	0.200	3.3	3.9	1.8	2.4	12.7	12.7	7.9	5.1	1000
WP130-500-375	CLEAR	0.130	0.375	0.069	0.314	0.500	0.500	0.500	0.200	3.3	9.5	1.8	8.0	12.7	12.7	12.7	5.1	250
WP140-250-180	CLEAR	0.140	0.180	0.079	0.119	0.500	0.500	0.250	0.200	3.6	4.6	2.0	3.0	12.7	12.7	6.4	5.1	1000
WP140-375-200	CLEAR	0.140	0.200	0.079	0.139	0.500	0.500	0.375	0.200	3.6	5.1	2.0	3.5	12.7	12.7	9.5	5.1	500
WP140-500-180	CLEAR	0.140	0.180	0.079	0.119	0.500	0.500	0.500	0.200	3.6	4.6	2.0	3.0	12.7	12.7	12.7	5.1	250

Current pricing and additional sizes available at www.epsi.com

WP SERIES (CONTINUED)



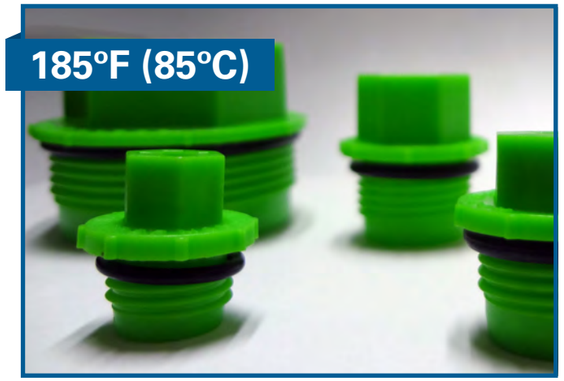
TECHNICAL DIAGRAM KEY

MJD1	Major Diameter 1
MJD2	Major Diameter 2
MND1	Minor Diameter 1
MND2	Minor Diameter 2
PL1	Plug Length 1
PL2	Plug Length 2
WD	Washer Diameter
WT	Washer Thickness

PART NUMBER	COLOR	MJD1 (in)	MJD2 (in)	MND1 (in)	MND2 (in)	PL1 (in)	PL2 (in)	WD (in)	WT (in)	MJD1 (mm)	MJD2 (mm)	MND1 (mm)	MND2 (mm)	PL1 (mm)	PL2 (mm)	WD (mm)	WT (mm)	PCS/ BAG
WP140-625-250	CLEAR	0.140	0.250	0.079	0.189	0.500	0.500	0.625	0.200	3.6	6.4	2.0	4.8	12.7	12.7	15.9	5.1	250
WP155-250-200	CLEAR	0.155	0.200	0.094	0.139	0.500	0.500	0.250	0.200	3.9	5.1	2.4	3.5	12.7	12.7	6.4	5.1	1000
WP155-250-238	CLEAR	0.155	0.238	0.094	0.177	0.500	1.500	0.250	0.200	3.9	6.0	2.4	4.5	12.7	12.7	6.4	5.1	1000
WP155-312-238	CLEAR	0.155	0.238	0.094	0.177	0.500	0.500	0.312	0.200	3.9	6.0	2.4	4.5	12.7	12.7	7.9	5.1	1000
WP155-375-238	CLEAR	0.155	0.238	0.094	0.177	0.500	0.500	0.375	0.200	3.9	6.0	2.4	4.5	12.7	12.7	9.5	5.1	500
WP155-500-390	CLEAR	0.155	0.390	0.094	0.329	0.500	0.500	0.500	0.200	3.9	9.9	2.4	8.4	12.7	12.7	12.7	5.1	250
WP180-250-180	CLEAR	0.180	0.180	0.119	0.119	0.500	0.500	0.250	0.200	4.6	4.6	3.0	3.0	12.7	12.7	6.4	5.1	1000
WP180-350-225	CLEAR	0.180	0.225	0.119	0.164	0.500	0.500	0.350	0.200	4.6	5.7	3.0	4.2	12.7	12.7	8.9	5.1	500
WP180-375-200	CLEAR	0.180	0.200	0.119	0.139	0.500	0.500	0.375	0.200	4.6	5.1	3.0	3.5	12.7	12.7	9.5	5.1	500
WP180-250-238	CLEAR	0.180	0.238	0.119	0.177	0.500	0.500	0.250	0.200	4.6	6.0	3.0	4.5	12.7	12.7	6.0	5.1	1000
WP180-500-200	CLEAR	0.180	0.200	0.119	0.139	0.500	0.500	0.500	0.200	4.6	5.1	3.0	3.5	12.7	12.7	12.7	5.1	250
WP180-500-238	CLEAR	0.180	0.238	0.119	0.238	0.500	0.500	0.500	0.200	4.6	6.0	3.0	6.0	12.7	12.7	12.7	5.1	250
WP200-250-238	CLEAR	0.200	0.238	0.139	0.177	0.500	0.500	0.250	0.200	5.1	6.0	3.5	4.5	12.7	12.7	6.4	5.1	1000
WP200-312-238	CLEAR	0.200	0.238	0.139	0.177	0.500	0.500	0.312	0.200	5.1	6.0	3.5	4.5	12.7	12.7	7.9	5.1	1000
WP200-312-275	CLEAR	0.200	0.275	0.139	0.275	0.500	0.500	0.312	0.200	5.1	7.0	3.5	7.0	12.7	12.7	7.9	5.1	1000
WP200-375-275	CLEAR	0.200	0.275	0.139	0.214	0.500	0.500	0.375	0.200	5.1	7.0	3.5	5.4	12.7	12.7	9.5	5.1	500
WP209-375-275	CLEAR	0.209	0.275	0.148	0.214	0.500	0.500	0.375	0.200	5.3	7.0	3.8	5.4	12.7	12.7	9.5	5.1	500
WP218-716-281	CLEAR	0.218	0.281	0.157	0.220	0.500	0.500	0.716	0.200	5.5	7.1	4.0	5.5	12.7	12.7	18.2	5.1	100
WP238-375-250	CLEAR	0.238	0.250	0.177	0.189	0.500	0.500	0.375	0.200	6.0	6.4	4.5	4.8	12.7	12.7	9.5	5.1	500
WP238-500-250	CLEAR	0.238	0.250	0.119	0.177	0.500	0.500	0.500	0.200	6.0	6.4	3.0	4.5	12.7	12.7	12.7	5.1	250
WP265-1180-515	CLEAR	0.265	0.515	0.204	0.454	0.500	0.500	1.180	0.200	6.7	13.1	5.1	11.5	12.7	12.7	30.0	5.1	50
WP265-1180-640	CLEAR	0.265	0.640	0.204	0.579	0.500	0.500	1.180	0.200	6.7	16.3	5.1	14.7	12.7	12.7	30.0	5.1	50
WP275-375-375	CLEAR	0.275	0.375	0.177	0.189	0.500	0.500	0.375	0.200	7.0	9.5	4.5	4.8	12.7	12.7	9.5	5.1	500
WP275-500-375	CLEAR	0.275	0.375	0.214	0.314	0.500	0.500	0.500	0.200	7.0	9.5	5.4	8.0	12.7	12.7	12.7	5.1	250
WP331-787-331	CLEAR	0.331	0.331	0.270	0.270	0.500	0.500	0.787	0.200	8.4	8.4	6.9	6.9	12.7	12.7	20.0	5.1	100
WP346-625-413	CLEAR	0.346	0.413	0.291	0.354	0.500	0.500	0.625	0.200	8.8	10.5	7.4	9.0	12.7	12.7	15.9	5.1	250
WP350-500-420	CLEAR	0.350	0.420	0.289	0.359	0.500	0.500	0.500	0.200	8.9	10.7	7.3	9.1	12.7	12.7	12.7	5.1	250
WP375-500-455	CLEAR	0.455	0.375	0.394	0.314	0.500	0.500	0.500	0.200	11.6	9.5	10.0	8.0	12.7	12.7	12.7	5.1	100
WP375-787-512	CLEAR	0.375	0.512	0.314	0.512	0.500	0.500	0.787	0.200	9.5	13.0	8.0	13.0	12.7	12.7	20.0	5.1	100
WP390-500-455	CLEAR	0.390	0.455	0.329	0.394	0.500	0.500	0.500	0.200	9.9	11.6	8.4	10.0	12.7	12.7	12.7	5.1	250
WP551-787-551	CLEAR	0.551	0.551	0.490	0.490	0.500	0.500	0.787	0.200	14.0	14.0	12.4	12.4	12.7	12.7	20.0	5.1	100
WP551-787-689	CLEAR	0.551	0.689	0.490	0.628	0.500	0.500	0.787	0.200	14.0	17.5	12.4	16.0	12.7	12.7	20.0	5.1	100
WP551-944-708	CLEAR	0.551	0.708	0.490	0.647	0.500	0.500	0.944	0.200	14.0	18.0	12.4	16.4	12.7	12.7	24.0	5.1	100

Current pricing and additional sizes available at www.epsi.com

TPSP SERIES - PORT-TITE PLUGS

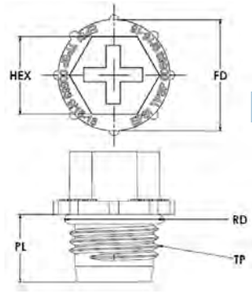


HELPFUL HINTS

- Innovative: Effectively masks threads as well as protects during shipping/handling
- Self-Sealing: Integrated flange and NBR O-ring provide liquid and air tight seal
- Fast and Easy: Install/remove by hand, socket, wrench, or #2 phillips head screwdriver
- Durable: High-density polyethylene stands Up to repeated use
- Ideal Solution: Flange and O-ring make Port-Tite perfect for plating applications

PRODUCT DESCRIPTION

EPSI's Port-Tite (TPSP) threaded port sealing plugs are designed to fit the most common standard and metric ports. The integrated flange and NBR O-ring not only provide a liquid and air tight seal, they also protect the port from damage and contamination during shipping and handling. Our polyethylene plugs are rugged, durable, and the perfect solution for plating applications. Plus, Port-Tite's raised hex head and socket allow for application and removal by hand, socket, wrench, or a #2 Phillips screwdriver



TECHNICAL DIAGRAM KEY

HEX	Hex Size
FD	Flange Diameter
RD	O-Ring Diameter
TP	Thread Length
PL	Plug Length

TPSP SERIES

PART NUMBER	COLOR	TP (in)	PL (in)	RD (in)	FD (in)	HEX (in)	TP (mm)	PL (mm)	RD (mm)	FD (mm)	HEX (mm)	PCS/ BAG
TPSP-00563	GREEN	9/16-18	0.432	0.621	0.707	1/2		11.0	15.8	18.0		1500
TPSP-00750	GREEN	3/4-16	0.523	0.783	0.889	5/8		13.3	20.0	22.5		750
TPSP-00875	GREEN	7/8-14	0.576	0.889	1.020	3/4		14.6	22.6	25.9		400
TPSP-01063	GREEN	1-1/16-12	0.668	1.076	1.227	7/8		17.0	27.3	31.2		300
TPSP-01313	GREEN	1-5/16-12	0.710	1.321	1.563	1-1/16		18.0	33.6	39.7		350
TPSP-01875	GREEN	1-7/8-12	0.775	1.874	2.074	1-1/2		20.0	47.6	52.7		100
TPSP-M0472	GREEN	M12x1.75	0.352	0.555	0.600	M6		9.0	14.1	15.2		2000
TPSP-M0551	GREEN	M14x1.5	0.352	0.610	0.630	M6		9.0	15.5	16.0		1500
TPSP-M0630	GREEN	M16x1.5	0.512	0.689	0.770	M8		13.0	17.5	19.6		1000
TPSP-M0709	GREEN	M18x1.5	0.523	0.783	0.900	M10		13.3	19.9	22.9		500
TPSP-M0866	GREEN	M22x1.5	0.523	0.899	0.960	M10		13.3	22.6	24.4		500
TPSP-M1063	GREEN	M27x2	0.668	1.076	1.350	M16		17.0	27.3	34.5		600
TPSP-01625	GREEN	1-5/8-12	.660	1.693	2.17	1-1/16		16.8	43.0	55.1		

Current pricing and additional sizes available at www.epsi.com

HTP SERIES - HANGING THREADED PLUGS

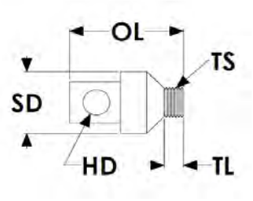


HELPFUL HINTS

- **Durable:** Cold rolled steel insert and high temp commercial grade silicone to withstand repeated use It can be made custom upon request
- **Versatile:** Provides a liqui-tite seal in immersion processes, while allowing conductivity to your part
- **Convenient:** Hangs heavier threaded parts* and seals off the first thread, or chamfer of the hole at the same time

PRODUCT DESCRIPTION

The Hang-Tite Plug (HTP) serves the function of a plug and a hanging tab. It is especially favorable for powder coating, but optimal for all immersion processes. The metal core allows conductivity for powder coating



TECHNICAL DIAGRAM KEY

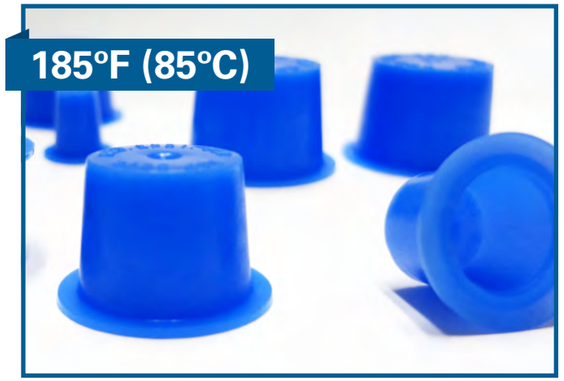
TS	Thread Size
C/F	Coarse/Fine
TL	Thread Length
HD	Holde Diameter
OL	Overall Length
SD	Silicone Diameter

HTP SERIES

Part Number	Color	C/F	TS (in)	TL (in)	HD (in)	OL (in)	SD (in)	TS (mm)	TL (mm)	HD (mm)	OL (mm)	SD (mm)	PCS/ BAG
HTP 14-20	WHITE	Coarse	1/4-20	0.175	0.197	0.870	0.483		4.5	5.0	22.1	12.3	20
HTP 516-18	PINK	Coarse	5/16-18	0.197	0.236	1.023	0.569		5.0	6.0	26.0	14.5	20
HTP 38-16	GRAY	Coarse	3/8-16	0.222	0.236	1.047	0.624		5.6	6.0	26.6	15.8	20
HTP 12-13	BLACK	Coarse	1/2-13	0.276	0.276	1.101	0.745		7.0	7.0	28.0	18.9	20
HTP M06	BLUE	Coarse	M6X1	0.141	0.197	0.836	0.479		3.5	5.0	21.2	12.2	20
HTP M08	YELLOW	Coarse	M8X1.25	0.169	0.236	0.994	0.580		4.3	6.0	25.2	15.0	20
HTP M10	RUSTY	Coarse	M10X1.5	0.210	0.236	1.035	0.646		5.3	6.0	26.3	16.4	20
HTP M12	RED	Coarse	M12X1.75	0.251	0.275	1.076	0.725		6.4	7.0	27.3	18.4	20

*Refer to load guide on www.epsi.com for ratings
Current pricing and additional sizes available at www.epsi.com

TCP SERIES - TAPERED CAP & PLUG



HELPFUL HINTS

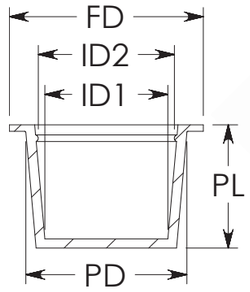
- Versatile: Effectively masks as a cap or plug in a wide variety of applications
- Protective: Keeps parts free from contaminants and during debris during handling and storage
- Fast and Easy: Quick to install and remove by hand
- Economical: Inexpensive enough for one-time use, yet durable enough for repeated use

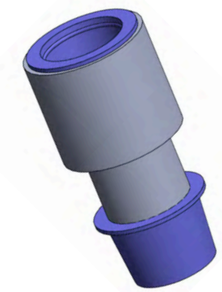
PRODUCT DESCRIPTION

EPSI's Tapered Cap & Plug (TCP) serves as an economical dual function closure which can be used as either a cap or as a plug. These tapered polyethylene masks provide a secure fit, yet are easy to install and remove

Tapered Cap & Plug (TCP) functions effectively as a cap for tube and hydraulic fittings, tube ends, pipes and for protection from contaminants and debris. It also serves well as a plug for threaded holes, openings, fittings and ports

Tapered Cap & Plug (TCP) functions well both for masking during the coating process and for protection during material handling

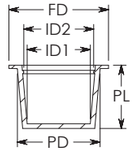




PART NUMBER	COLOR	PD (in)	PL (in)	FD (in)	ID1 (in)	ID2 (in)	PD (mm)	PL (mm)	FD (mm)	ID1 (mm)	ID2 (mm)	PCS/ BAG
TCP 0182X0380	BLUE	0.180	0.220	0.310	0.088	0.140	4.6	5.6	7.9	2.2	3.6	1000
TCP 0180X0220	BLUE	0.182	0.380	0.310	0.053	0.116	4.6	9.7	7.9	1.3	2.9	1000
TCP 0205X0380	BLUE	0.205	0.380	0.410	0.079	0.145	5.2	9.7	10.4	2.0	3.7	1000
TCP 0240X0380	BLUE	0.240	0.380	0.380	0.111	0.173	6.1	9.7	9.7	2.8	4.4	1000
TCP 0255X0380	BLUE	0.255	0.380	0.380	0.113	0.184	6.5	9.7	9.7	2.9	4.7	1000
TCP 0269X0310	BLUE	0.269	0.310	0.380	0.150	0.209	6.8	7.9	9.7	3.8	5.3	3000

Current pricing and additional sizes available at www.epsi.com

TCP SERIES (CONTINUED)

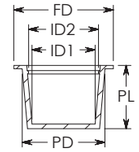


TECHNICAL DIAGRAM KEY	
FD	Flange Diameter
ID1	Inside Diameter 1
ID2	Inside Diameter 2
PD	Plug Diameter
PL	Plug Length

PART NUMBER	COLOR	PD (in)	PL (in)	FD (in)	ID1 (in)	ID2 (in)	PD (mm)	PL (mm)	FD (mm)	ID1 (mm)	ID2 (mm)	PCS/ BAG
TCP 0275X0310	BLUE	0.275	0.310	0.450	0.146	0.210	7.0	7.9	11.4	3.7	5.3	2000
TCP 0302X0380	BLUE	0.302	0.380	0.440	0.174	0.236	7.7	9.7	11.2	4.4	6.0	1000
TCP 0335X0380	BLUE	0.335	0.380	0.470	0.205	0.267	8.5	9.7	11.9	5.2	6.8	1000
TCP 0365X0380	BLUE	0.365	0.380	0.500	0.235	0.299	9.3	9.7	12.7	6.0	7.6	1000
TCP 0367X0190	BLUE	0.367	0.190	0.500	0.263	0.325	9.3	4.8	12.7	6.7	8.3	1000
TCP 0396X0380	BLUE	0.396	0.380	0.530	0.267	0.330	10.1	9.7	13.5	6.8	8.4	1000
TCP 0427X0380	BLUE	0.427	0.380	0.560	0.298	0.361	10.8	9.7	14.2	7.6	9.2	1000
TCP 0456X0380	BLUE	0.456	0.380	0.590	0.327	0.390	11.6	9.7	15.0	8.3	9.9	1000
TCP 0485X0380	BLUE	0.485	0.380	0.630	0.356	0.419	12.3	9.7	16.0	9.0	10.6	1000
TCP 0513X0380	BLUE	0.513	0.380	0.660	0.385	0.447	13.0	9.7	16.8	9.8	11.4	1000
TCP 0547X0280	BLUE	0.547	0.280	0.690	0.415	0.477	13.9	7.1	17.5	10.5	12.1	1500
TCP 0547X0440	BLUE	0.547	0.440	0.690	0.409	0.471	13.9	11.2	17.5	10.4	12.0	1000
TCP 0562X0220	BLUE	0.562	0.220	0.680	0.477	0.533	14.3	5.6	17.3	12.1	13.5	1000
TCP 0576X0440	BLUE	0.576	0.440	0.720	0.440	0.500	14.6	11.2	18.3	11.2	12.7	1000
TCP 0608X0440	BLUE	0.608	0.440	0.750	0.468	0.532	15.4	11.2	19.1	11.9	13.5	1000
TCP 0631X0470	BLUE	0.631	0.470	0.750	0.487	0.550	16.0	11.9	19.1	12.4	14.0	1000
TCP 0667X0500	BLUE	0.667	0.500	0.810	0.518	0.580	16.9	12.7	20.6	13.2	14.7	1000
TCP 0694X0190	BLUE	0.694	0.190	0.750	0.613	0.669	17.6	4.8	19.1	15.6	17.0	1000
TCP 0695X0500	BLUE	0.695	0.500	0.840	0.549	0.610	17.7	12.7	21.3	13.9	15.5	1000
TCP 0727X0500	BLUE	0.727	0.500	0.880	0.578	0.640	18.5	12.7	22.4	14.7	16.3	1000
TCP 0755X0500	BLUE	0.755	0.500	0.880	0.613	0.675	19.2	12.7	22.4	15.6	17.1	1000
TCP 0765X0190	BLUE	0.765	0.190	0.880	0.678	0.740	19.4	4.8	22.4	17.2	18.8	1000
TCP 0788X0560	BLUE	0.788	0.560	0.940	0.628	0.690	20.0	14.2	23.9	16.0	17.5	1000
TCP 0805X0160	BLUE	0.805	0.160	0.860	0.688	0.750	20.4	4.1	21.8	17.5	19.1	1500
TCP 0823X0560	BLUE	0.823	0.560	0.970	0.663	0.725	20.9	14.2	24.6	16.8	18.4	1000
TCP 0848X0560	BLUE	0.848	0.560	1.000	0.687	0.750	21.5	14.2	25.4	17.4	19.1	1000
TCP 0848X0390	BLUE	0.848	0.390	1.020	0.687	0.748	21.5	9.9	25.9	17.4	19.0	1000
TCP 0890X0220	BLUE	0.890	0.220	1.050	0.757	0.837	22.6	5.6	26.7	19.2	21.3	1000
TCP 0911X0630	BLUE	0.911	0.630	1.060	0.740	0.802	23.1	16.0	26.9	18.8	20.4	500
TCP 0930X0630	BLUE	0.930	0.630	1.090	0.753	0.815	23.6	16.0	27.7	19.1	20.7	500
TCP 0973X0720	BLUE	0.973	0.720	1.130	0.805	0.869	24.7	18.3	28.7	20.4	22.1	500
TCP 0975X0630	BLUE	0.975	0.630	1.130	0.803	0.866	24.8	16.0	28.7	20.4	22.0	500
TCP 1040X0470	BLUE	1.040	0.470	1.160	0.895	0.955	26.4	11.9	29.5	22.7	24.3	700

Current pricing and additional sizes available at www.epsi.com

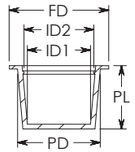
TCP SERIES (CONTINUED)



TECHNICAL DIAGRAM KEY	
FD	Flange Diameter
ID1	Inside Diameter 1
ID2	Inside Diameter 2
PD	Plug Diameter
PL	Plug Length

PART NUMBER	COLOR	PD (in)	PL (in)	FD (in)	ID1 (in)	ID2 (in)	PD (mm)	PL (mm)	FD (mm)	ID1 (mm)	ID2 (mm)	PCS/ BAG
TCP 1040X0690	BLUE	1.040	0.690	1.160	0.855	0.915	26.4	17.5	29.5	21.7	23.2	500
TCP 1040X0840	BLUE	1.040	0.840	1.310	0.940	1.020	26.4	21.3	33.3	23.9	25.9	300
TCP 1047X0500	BLUE	1.047	0.500	1.190	0.900	0.960	26.6	12.7	30.2	22.9	24.4	1000
TCP 1090X0750	BLUE	1.090	0.750	1.250	0.901	0.964	27.7	19.1	31.8	22.9	24.5	500
TCP 1090X1000	BLUE	1.090	1.000	1.250	0.890	0.950	27.7	25.4	31.8	22.6	24.1	300
TCP 1104X0720	BLUE	1.104	0.720	1.440	0.918	0.975	28.0	18.3	36.6	23.3	24.8	400
TCP 1145X0750	BLUE	1.145	0.750	1.310	0.933	0.995	29.1	19.1	33.3	23.7	25.3	500
TCP 1215X0750	BLUE	1.215	0.750	1.410	1.031	1.094	30.9	19.1	35.8	26.2	27.8	500
TCP 1284X0630	BLUE	1.284	0.630	1.440	1.113	1.175	32.6	16.0	36.6	28.3	29.8	500
TCP 1284X1670	BLUE	1.284	0.630	1.670	1.113	1.175	32.6	16.0	42.4	28.3	29.8	400
TCP 1305X1060	BLUE	1.305	1.060	1.430	0.777	0.836	33.1	26.9	36.3	19.7	21.2	500
TCP 1312X0500	BLUE	1.312	0.500	1.380	1.155	1.276	33.3	12.7	35.1	29.3	32.4	400
TCP 1346X0380	BLUE	1.346	0.380	1.470	1.227	1.285	34.2	9.7	37.3	31.2	32.6	500
TCP 1355X0750	BLUE	1.355	0.750	1.500	1.161	1.224	34.4	19.1	38.1	29.5	31.1	400
TCP 1356X0720	BLUE	1.356	0.720	1.500	1.231	1.292	34.4	18.3	38.1	31.3	32.8	300
TCP 1360X0810	BLUE	1.360	0.810	1.500	1.173	1.235	34.5	20.6	38.1	29.8	31.4	400
TCP 1420X0810	BLUE	1.420	0.810	1.560	1.085	1.140	36.1	20.6	39.6	27.6	29.0	500
TCP 1465X0390	BLUE	1.465	0.500	1.620	1.286	1.395	37.2	12.7	41.1	32.7	35.4	200
TCP 1465X0500	BLUE	1.465	0.500	1.620	1.286	1.350	37.2	12.7	41.1	32.7	34.3	400
TCP 1465X0720	BLUE	1.465	0.720	1.620	1.248	1.312	37.2	18.3	41.1	31.7	33.3	300
TCP 1465X0880	BLUE	1.465	0.880	1.630	1.249	1.312	37.2	22.4	41.4	31.7	33.3	300
TCP 1500X0750	BLUE	1.500	0.750	1.750	1.340	1.435	38.1	19.1	44.5	34.0	36.4	200
TCP 1507X0750	BLUE	1.507	0.750	1.630	1.169	1.239	38.3	19.1	41.4	29.7	31.5	500
TCP 1507X0910	BLUE	1.507	0.910	1.770	1.282	1.344	38.3	23.1	45.0	32.6	34.1	200
TCP 1600X0500	BLUE	1.600	0.500	1.750	1.451	1.513	40.6	12.7	44.5	36.9	38.4	500
TCP 1600X0880	BLUE	1.600	0.880	1.750	1.384	1.447	40.6	22.4	44.5	35.2	36.8	200
TCP 1601X0720	BLUE	1.601	0.720	1.750	1.387	1.451	40.7	18.3	44.5	35.2	36.9	200
TCP 1602X0720	BLUE	1.602	0.720	1.750	1.455	1.519	40.7	18.3	44.5	37.0	38.6	300
TCP 1682X0750	BLUE	1.682	0.750	1.880	1.498	1.560	42.7	19.1	47.8	38.0	39.6	200
TCP 1688X0620	BLUE	1.688	0.620	1.880	1.514	1.574	42.9	15.7	47.8	38.5	40.0	300
TCP 1750X0690	BLUE	1.750	0.690	1.840	1.569	1.633	44.5	17.5	46.7	39.9	41.5	200
TCP 1750X0750	BLUE	1.750	0.750	1.940	1.568	1.630	44.5	19.1	49.3	39.8	41.4	200
TCP 1805X0380	BLUE	1.805	0.380	2.000	1.722	1.781	45.8	9.7	50.8	43.7	45.2	200
TCP 1850X0720	BLUE	1.850	0.720	2.030	1.664	1.720	47.0	18.3	51.6	42.3	43.7	300
TCP 1880X0750	BLUE	1.880	0.750	2.000	1.688	1.750	47.8	19.1	50.8	42.9	44.5	200
TCP 1895X1280	BLUE	1.895	1.280	2.060	1.378	1.440	48.1	32.5	52.3	35.0	36.6	200
TCP 1938X0970	BLUE	1.938	0.970	2.160	1.743	1.807	49.2	24.6	54.9	44.3	45.9	200
TCP 1950X0100	BLUE	1.950	1.000	2.130	1.718	1.780	49.5	25.4	54.1	43.6	45.2	200
TCP 1950X1000	BLUE	1.950	1.000	2.130	1.718	1.780	49.5	25.4	54.1	43.6	45.2	200
TCP 1975X0630	BLUE	1.975	0.630	2.380	1.785	1.865	50.2	16.0	60.5	45.3	47.4	250

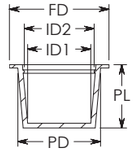
TCP SERIES (CONTINUED)



TECHNICAL DIAGRAM KEY	
FD	Flange Diameter
ID1	Inside Diameter 1
ID2	Inside Diameter 2
PD	Plug Diameter
PL	Plug Length

PART NUMBER	COLOR	PD (in)	PL (in)	FD (in)	ID1 (in)	ID2 (in)	PD (mm)	PL (mm)	FD (mm)	ID1 (mm)	ID2 (mm)	PCS/ BAG
TCP 2000X1000	BLUE	2.000	1.000	2.130	1.781	1.844	50.8	25.4	54.1	45.2	46.8	160
TCP 2065X0720	BLUE	2.065	0.720	2.200	1.885	1.950	52.5	18.3	55.9	47.9	49.5	250
TCP 2076X1000	BLUE	2.076	1.000	2.250	1.837	1.900	52.7	25.4	57.2	46.7	48.3	150
TCP 2100X0340	BLUE	2.100	0.340	2.590	2.060	2.020	53.3	8.6	65.8	52.3	51.3	200
TCP 2132X1000	BLUE	2.132	1.000	2.250	1.913	1.975	54.2	25.4	57.2	48.6	50.2	150
TCP 2147X0750	BLUE	2.147	0.750	2.310	1.953	2.015	54.5	19.1	58.7	49.6	51.2	200
TCP 2163X1180	BLUE	2.163	1.180	2.310	1.668	1.738	54.9	30.0	58.7	42.4	44.1	200
TCP 2243X1000	BLUE	2.243	1.000	2.440	2.005	2.067	57.0	25.4	62.0	50.9	52.5	150
TCP 2260X0500	BLUE	2.260	0.500	2.500	2.168	2.230	57.4	12.7	63.5	55.1	56.6	200
TCP 2310X0850	BLUE	2.310	0.850	2.470	1.875	1.935	58.7	21.6	62.7	47.6	49.1	200
TCP 2312X1000	BLUE	2.312	1.000	2.560	2.074	2.136	58.7	25.4	65.0	52.7	54.3	150
TCP 2400X0720	BLUE	2.400	0.720	2.800	2.216	2.280	61.0	18.3	71.1	56.3	57.9	150
TCP 2125X1000	BLUE	2.406	1.000	2.530	2.063	2.125	61.1	25.4	64.3	52.4	54.0	150
TCP 2464X1000	BLUE	2.464	1.000	2.630	2.235	2.298	62.6	25.4	66.8	56.8	58.4	100
TCP 2464X0720	BLUE	2.464	0.720	2.660	2.220	2.300	62.6	18.3	67.6	56.4	58.4	400
TCP 2602X1030	BLUE	2.602	1.030	2.810	2.333	2.395	66.1	26.2	71.4	59.3	60.8	100
TCP 2604X1130	BLUE	2.604	1.130	2.810	2.332	2.396	66.1	28.7	71.4	59.2	60.9	100
TCP 2644X0630	BLUE	2.644	0.630	2.780	2.418	2.480	67.2	16.0	70.6	61.4	63.0	200
TCP 2650X0960	BLUE	2.650	0.960	2.780	2.247	2.311	67.3	24.4	70.6	57.1	58.7	400
TCP 2650X1250	BLUE	2.650	1.250	2.780	2.245	2.307	67.3	31.8	70.6	57.0	58.6	100
TCP 2690X0630	BLUE	2.690	0.630	2.880	2.493	2.555	68.3	16.0	73.2	63.3	64.9	200
TCP 2690X0720	BLUE	2.690	0.720	2.880	2.497	2.561	68.3	18.3	73.2	63.4	65.0	100
TCP 2750X1000	BLUE	2.750	1.000	2.880	2.395	2.457	69.9	25.4	73.2	60.8	62.4	100
TCP 2788X0470	BLUE	2.788	0.470	2.970	2.595	2.655	70.8	11.9	75.4	65.9	67.4	200
TCP 2790X0750	BLUE	2.790	0.750	2.940	2.579	2.641	70.9	19.1	74.7	65.5	67.1	100
TCP 2870X0710	BLUE	2.870	0.710	3.060	2.626	2.706	72.9	18.0	77.7	66.7	68.7	100
TCP 2980X0750	BLUE	2.980	0.750	3.250	2.787	2.849	75.7	19.1	82.6	70.8	72.4	100
TCP 2990X1000	BLUE	2.990	1.000	3.130	2.656	2.720	75.9	25.4	79.5	67.5	69.1	100
TCP 2990X2760	BLUE	2.990	1.000	3.130	2.656	2.720	75.9	25.4	79.5	67.5	69.1	100
TCP 3103X0750	BLUE	3.103	0.750	3.340	2.915	2.975	78.8	19.1	84.8	74.0	75.6	100
TCP 3159X0470	BLUE	3.159	0.470	3.410	2.916	2.996	80.2	11.9	86.6	74.1	76.1	100
TCP 3245X1000	BLUE	3.245	1.000	3.380	2.912	2.982	82.4	25.4	85.9	74.0	75.7	100
TCP 3370X1000	BLUE	3.370	1.000	3.500	3.020	3.090	85.6	25.4	88.9	76.7	78.5	100
TCP 3457X0750	BLUE	3.457	0.750	3.630	3.245	3.325	87.8	19.1	92.2	82.4	84.5	120
TCP 3562X1130	BLUE	3.562	1.130	3.690	3.200	3.270	90.5	28.7	93.7	81.3	83.1	50
TCP 3600X0750	BLUE	3.600	0.750	3.880	3.410	3.470	91.4	19.1	98.6	86.6	88.1	100
TCP 3730X1000	BLUE	3.730	1.000	4.000	3.480	3.550	94.7	25.4	101.6	88.4	90.2	60
TCP 3800X0750	BLUE	3.800	0.750	4.000	3.610	3.680	96.5	19.1	101.6	91.7	93.5	90
TCP 3920X0750	BLUE	3.920	0.750	4.120	3.710	3.790	99.6	19.1	104.6	94.2	96.3	60
TCP 4070X0750	BLUE	4.070	0.750	4.380	3.860	3.930	103.4	19.1	111.3	98.0	99.8	90

TCP SERIES (CONTINUED)



TECHNICAL DIAGRAM KEY	
FD	Flange Diameter
ID1	Inside Diameter 1
ID2	Inside Diameter 2
PD	Plug Diameter
PL	Plug Length

PART NUMBER	COLOR	PD (in)	PL (in)	FD (in)	ID1 (in)	ID2 (in)	PD (mm)	PL (mm)	FD (mm)	ID1 (mm)	ID2 (mm)	PCS/ BAG
TCP 4140X0750	BLUE	4.140	0.750	4.530	3.940	4.020	105.2	19.1	115.1	100.1	102.1	90
TCP 4320X1250	BLUE	4.320	1.250	4.620	4.010	4.090	109.7	31.8	117.3	101.9	103.9	60
TCP 4430X0880	BLUE	4.430	0.880	4.880	4.180	4.270	112.5	22.4	124.0	106.2	108.5	50
TCP 4459X0960	BLUE	4.459	0.960	4.940	4.134	4.214	113.3	24.4	125.5	105.0	107.0	80
TCP 4620X1000	BLUE	4.620	1.000	5.000	4.290	4.370	117.3	25.4	127.0	109.0	111.0	50
TCP 4850X0880	BLUE	4.850	0.880	5.250	4.570	4.640	123.2	22.4	133.4	116.1	117.9	50
TCP 4970X1000	BLUE	4.970	1.000	5.380	4.710	4.790	126.2	25.4	136.7	119.6	121.7	50
TCP 5090X1000	BLUE	5.090	1.000	5.500	4.830	4.910	129.3	25.4	139.7	122.7	124.7	50
TCP 5100X0680	BLUE	5.100	0.680	5.440	4.900	4.980	129.5	17.3	138.2	124.5	126.5	90
TCP 5200X1000	BLUE	5.200	1.000	5.630	4.920	4.990	132.1	25.4	143.0	125.0	126.7	50
TCP 5360X1000	BLUE	5.360	1.000	5.880	5.110	5.180	136.1	25.4	149.4	129.8	131.6	50
TCP 5490X0880	BLUE	5.490	0.880	5.880	5.210	5.330	139.4	22.4	149.4	132.3	135.4	50
TCP 5620X1000	BLUE	5.620	1.000	6.130	5.390	5.470	142.7	25.4	155.7	136.9	138.9	50
TCP 5750X1000	BLUE	5.750	1.000	6.190	5.490	5.570	146.1	25.4	157.2	139.4	141.5	50
TCP 5870X0980	BLUE	5.870	0.980	6.250	5.610	5.700	149.1	24.9	158.8	142.5	144.8	50
TCP 6180X1000	BLUE	6.180	1.000	6.620	5.920	6.010	157.0	25.4	168.1	150.4	152.7	50
TCP 6350X1000	BLUE	6.350	1.000	6.750	6.090	6.180	161.3	25.4	171.5	154.7	157.0	20
TCP 6560X0870	BLUE	6.560	0.870	6.940	6.330	6.400	166.6	22.1	176.3	160.8	162.6	20
TCP 6710X1500	BLUE	6.710	1.500	7.190	6.530	6.610	170.4	38.1	182.6	165.9	167.9	20
TCP 6774X1500	BLUE	6.774	1.500	7.190	6.562	6.668	172.1	38.1	182.6	166.7	169.4	20
TCP 7030X0500	BLUE	7.030	0.500	7.670	6.800	6.880	178.6	12.7	194.8	172.7	174.8	20
TCP 7120X1040	BLUE	7.120	1.040	7.630	6.970	7.050	180.8	26.4	193.8	177.0	179.1	20
TCP 7358X1460	BLUE	7.358	1.460	7.720	6.851	6.943	186.9	37.1	196.1	174.0	176.4	16
TCP 7650X1000	BLUE	7.650	1.000	7.940	7.260	7.340	194.3	25.4	201.7	184.4	186.4	20
TCP 7840X1000	BLUE	7.840	1.000	8.120	7.580	7.660	199.1	25.4	206.2	192.5	194.6	20
TCP 8140X1000	BLUE	8.140	1.000	8.380	7.880	7.970	206.8	25.4	212.9	200.2	202.4	20
TCP 8350X1380	BLUE	8.350	1.380	8.750	8.050	8.150	212.1	35.1	222.3	204.5	207.0	10
TCP 8600X1380	BLUE	8.600	1.380	9.000	8.300	8.400	218.4	35.1	228.6	210.8	213.4	10
TCP 8730X1500	BLUE	8.730	1.500	9.130	8.550	8.670	221.7	38.1	231.9	217.2	220.2	10
TCP 9364X1750	BLUE	9.364	1.750	9.860	8.890	9.060	237.8	44.5	250.4	225.8	230.1	10
TCP 10290X1500	BLUE	10.220	0.970	10.560	9.820	9.970	259.6	24.6	268.2	249.4	253.2	12
TCP 10220X0970	BLUE	10.290	1.500	10.560	9.770	9.900	261.4	38.1	268.2	248.2	251.5	15
TCP 11098X1750	BLUE	11.098	1.750	11.600	10.620	10.790	281.9	44.5	294.6	269.7	274.1	8
TCP 11455X2000	BLUE	11.455	2.000	11.960	10.779	11.110	291.0	50.8	303.8	273.8	282.2	8
TCP 13138X2000	BLUE	13.597	2.000	14.100	12.960	13.250	345.4	50.8	358.1	329.2	336.6	6
TCP 13597X2000	BLUE	13.597	2.000	14.100	12.960	13.250	345.4	50.8	358.1	329.2	336.6	6

Current pricing and additional sizes available at www.epsi.com

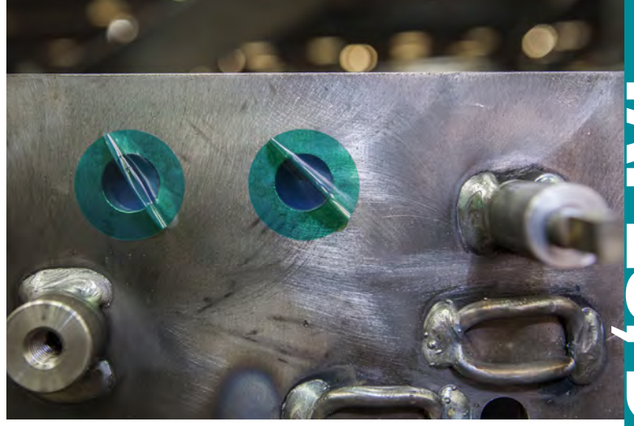
PLUGS - STARTER KITS

Visit www.epsi.com for the latest kits, contents and pricing information. Custom kits are available upon request. Product information page listed below.

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EPSI has a masking tape for every application and every temperature. All of our tapes are converted in-house, assuring that you get exactly what you need. Consider a roll of polyester or polymide tape for masking off large surfaces, one of EPSI's patented wishbone discs for smaller areas with easy removal or a doughnut disc which can be used in conjunction with other masking to protect washers or add extra coverage.

EPSI makes masking easy!

CUSTOMS

The EPSI Guarantee means that we provide you with the best solutions for your masking needs. Sometimes that solution is one of our guaranteed products, but other times you need a custom solution. Our in-house engineering teams has decades of experience in working with customers to produce a solution fit to your precise needs. We continue to lead the industry in creating efficient, custom solutions for diverse applications.

We are the masking experts and we have calculated the point where customers will realize savings using a custom mold or custom tape mask verses masking with standard products.

Your EPSI sales representative can help you estimate your savings and determine whether a custom product is the right solution for you.

That's the EPSI guarantee!

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A12 TAPE SERIES - GREEN POLY TAPE



- Maximum Temperature: 400°F
- Total Thickness: 3.5 mils
- Hi-Temperature Silicone adhesive system
- Removes cleanly after use
- No shrinkage

PRODUCT DESCRIPTION

A12 is a polyester film, single coated with a silicone pressure sensitive adhesive

TYPICAL APPLICATIONS

Masking in Powder Coating, E-Coating, Anodizing and Some Plating Applications

CONSTRUCTION

Total Thickness	3.5 mils
Adhesive Thickness	1.5 mils
Carrier Thickness	2.0 mils
Adhesive Type	Silicone
Carrier Type	Polyester
Color	Green

HELPFUL HINTS

Maximum Temperature (F)	400°
Tensile Strength (lbs/inch)	50
Elongation (%)	110
Peel Adhesion (oz/inch)	35

Our A12 green polyester tape is the industry standard for general purpose powder coating applications. It is extremely economical and removes cleanly from surfaces without leaving a residue. A12 is ideal for applications such as taping off large surfaces, general purpose die cutting and large volume runs

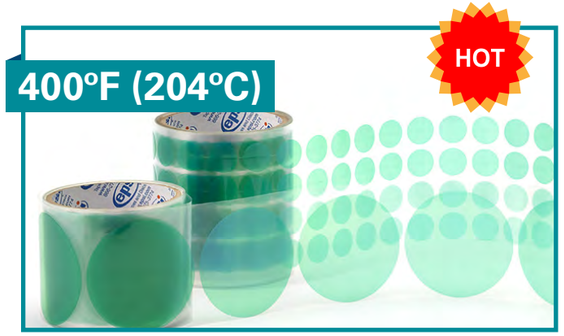
Current pricing, case quantities and additional sizes available at www.epsi.com

400°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

A12 SERIES

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
A12-00032	72	1/8 in	0.125	66	3.2	256
A12-00048	72	3/16 in	0.188	66	4.8	168
A12-00064	72	1/4 in	0.250	66	6.4	
A12-00064 (case)						128
A12-00079	72	5/16 in	0.313	66	8.0	96
A12-00095	72	3/8 in	0.375	66	9.5	
A12-00095 (case)						84
A12-00111	72	7/16 in	0.438	66	11.1	
A12-00127	72	1/2 in	0.500	66	12.7	
A12-00127 (case)						64
A12-00143	72	9/16 in	0.563	66	14.3	
A12-00159	72	5/8 in	0.625	66	15.9	
A12-00159 (case)						48
A12-00190	72	3/4 in	0.750	66	19.0	
A12-00190 (case)						40
A12-00222	72	7/8 in	0.875	66	22.2	
A12-00254	72	1 in	1.000	66	25.4	
A12-00254 (case)						32
A12-00286	72	1 1/8 in	1.125	66	28.6	
A12-00318	72	1 1/4 in	1.250	66	31.8	
A12-00318 (case)						24
A12-00349	72	1 3/8 in	1.375	66	34.9	
A12-00381	72	1 1/2 in	1.500	66	38.1	
A12-00381 (case)						20
A12-00413	72	1 5/8 in	1.625	66	41.3	
A12-00445	72	1 3/4 in	1.750	66	44.5	16
A12-00508	72	2 in	2.000	66	50.8	
A12-00508 (case)						16
A12-00572	72	2 1/4 in	2.250	66	57.2	12
A12-00635	72	2 1/2 in	2.500	66	63.5	12
A12-00699	72	2 3/4 in	2.750	66	69.9	8
A12-00762	72	3 in	3.000	66	76.2	
A12-00762 (case)						12
A12-00889	72	3 1/2 in	3.500	66	88.9	8
A12-01016	72	4 in	4.000	66	101.6	8
A12-01270	72	5 in	5.000	66	127.0	4
A12-01524	72	6 in	6.000	66	152.4	8
A12-01778	72	7 in	7.000	66	177.8	4
A12-02032	72	8 in	8.000	66	203.2	4
A12-02540	72	10 in	10.000	66	254.0	
A12-03048	72	12 in	12.000	66	304.8	

AD12 TAPE SERIES - GREEN POLY TAPE DISCS



- Maximum Temperature: 400°F
- Removes cleanly after use with no shrinkage

PRODUCT DESCRIPTION

AD12 is a polyester film, single coated with a silicone pressure sensitive adhesive. Tape is laminated and discs are rotary die-cut on a specially formulated fluorosilicone liner

TYPICAL APPLICATIONS

Powder Coating, E-Coating and Anodizing

SPECIFICATIONS

Maximum Temperature (F)	400°
Tensile Strength (lbs/inch)	50
Elongation (%)	110
Peel Adhesion (oz/inch)	35

CONSTRUCTION

Total Thickness	3.5 mils
Adhesive Thickness	1.5 mils
Carrier Thickness	2.0 mils
Adhesive Type	Silicone
Carrier Type	Polyester
Color	Green

PART NUMBER	Diameter (in)	Standard Diameter (in)	Diameter (mm)	Discs Per Roll
AD12-0032	0.125	1/8 in	3.2	2000
AD12-0048	0.188	3/16 in	4.8	2000
AD12-0064	0.250	1/4 in	6.4	2000
AD12-0079	0.313	5/16 in	7.9	2000
AD12-0095	0.375	3/8 in	9.5	2000
AD12-0100	0.394	----	10.0	2000
AD12-0111	0.438	7/16 in	11.1	2000
AD12-0127	0.500	1/2 in	12.7	2000
AD12-0127 MEGA	0.500	1/2 in	12.7	10000
AD12-0143	0.563	9/16 in	14.3	2000
AD12-0159	0.625	5/8 in	15.9	2000
AD12-0174	0.685	11/16 in	17.4	1000
AD12-0190	0.750	3/4 in	19.0	1000
AD12-0190 MEGA	0.750	3/4 in	19.0	5000
AD12-0222	0.875	7/8 in	22.2	1000
AD12-0237	0.937	15/16 in	23.7	500
AD12-0250	0.984	----	25.0	500
AD12-0254	1.000	1 in	25.4	500
AD12-0254 MEGA	1.000	1 in	25.4	2500

350°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

AD12 SERIES

PART NUMBER	Diameter (in)	Standard Diameter (in)	Diameter (mm)	Discs Per Roll
AD12-0286	1.125	1 1/8 in	28.6	500
AD12-0302	1.187	1 3/16 in	30.2	500
AD12-0318	1.250	1 1/4 in	31.8	500
AD12-0349	1.375	1 3/8in	34.9	500
AD12-0365	1.438	1 7/16 in	36.5	500
AD12-0381	1.500	1 1/2 in	38.1	500
AD12-0413	1.625	1 5/8 in	41.3	500
AD12-0445	1.750	1 3/4 in	44.5	500
AD12-0460	1.183	----	46.0	500
AD12-0476	1.875	1 7/8 in	47.6	500
AD12-0508	2.000	2 in	50.8	250
AD12-0572	2.250	2 1/4 in	57.2	250
AD12-0572 MEGA	2.250	2 1/4 in	57.2	1250
AD12-0635	2.500	2 1/2 in	63.5	250
AD12-0635 MEGA	2.500	2 1/2 in	63.5	1250
AD12-0667	2.625	2 5/8 in	66.7	250
AD12-0699	2.750	2 3/4 in	69.9	250
AD12-0762	3.000	3 in	76.2	250
AD12-0825	3.250	3 1/4 in	82.5	100
AD12-0889	3.500	3 1/2 in	88.9	100
AD12-0952	3.750	3 3/4 in	95.2	100
AD12-1016	4.000	4 in	101.6	100
AD12-1079	4.250	4 1/4 in	107.9	100
AD12-1143	4.500	4 1/2 in	114.3	100
AD12-1270	5.000	5 in	127.0	100
AD12-1397	5.500	5 1/2 in	139.7	100
AD12-1524	6.000	6 in	152.4	100
AD12-1588	6.250	6 1/4 in	158.8	100

AD12 SERIES [WITH SLIT BACK LINER]

PART NUMBER	Diameter (in)	Standard Diameter (in)	Diameter (mm)	Discs Per Roll
AD12-0127-S	0.500	1/2 in	12.7	2000
AD12-0159-S	0.625	5/8 in	15.9	2000
AD12-0190-S	0.750	3/4 in	19.0	1000
AD12-0254-S	1.000	1 in	25.4	500
AD12-0286-S	1.125	1 1/8 in	28.6	500
AD12-0318-S	1.250	1 1/4 in	31.8	500
AD12-0381-S	1.500	1 1/2 in	38.1	500
AD12-0445-S	1.750	1 3/4 in	44.5	500
AD12-0508-S	2.000	2 in	50.8	250
AD12-0572-S	2.250	2 1/4 in	57.2	250
AD12-0635-S	2.500	2 1/2 in	63.5	250
AD12-0762-S	3.000	3 in	76.2	250

Current pricing, case quantities and additional sizes available at www.epsi.com

AH12 TAPE SERIES - GREEN POLY TAPE DONUTS



PRODUCT DESCRIPTION

AH12 is a polyester film, single coated with a silicone pressure sensitive adhesive. Tape is laminated and discs are rotary die-cut on a specially formulated fluorosilicone liner

- Maximum Temperature: 400°F
- Removes cleanly after use with no shrinkage

TYPICAL APPLICATIONS

Powder Coating, E-Coating and Anodizing

SPECIFICATIONS

Maximum Temperature (F)	400°
Tensile Strength (lbs/inch)	50
Elongation (%)	110
Peel Adhesion (oz/inch)	35

CONSTRUCTION

Total Thickness	3.5 mils
Adhesive Thickness	1.5 mils
Carrier Thickness	2.0 mils
Adhesive Type	Silicone
Carrier Type	Polyester
Color	Green

PART NUMBER	ID (in)	OD (in)	ID (mm)	OD (mm)	Discs Per Roll
AH12-0095X0048	0.189	0.375	4.8	9.5	2000
AH12-0127X0064	0.250	0.500	6.4	12.7	2000
AH12-0159X0064	0.250	0.625	6.4	15.9	2000
AH12-0159X0095	0.375	0.625	9.5	15.9	2000
AH12-0190X0064	0.250	0.750	6.4	19.0	1000
AH12-0254X0048	0.189	1.000	4.8	25.4	500
AH12-0254X0064	0.250	1.000	6.4	25.4	500
AH12-0381X0095	0.375	1.500	9.5	25.4	500
AH12-0381X0254	1.000	1.500	25.4	25.4	500

Current pricing, case quantities and additional sizes available at www.epsi.com

400°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

AW12 TAPE SERIES - GREEN WISHBONE DISCS



- Maximum Temperature: 400°F
- Total Thickness (mils): 3.5 mils
- Designed for easy removal from roll
- Removal tab in center eliminates shadow effect found in other designs
- Easy-to-find tab; even under thickest coatings
- Hi-Temperature silicone adhesive system
- Removes cleanly after use
- No shrinkage

US Patent #6,656,558	France #0 960 175	Germany #698 14 358.2-08	Italy #0 960 175
Canada #2,279,007	United Kingdom #0 960 175	Netherlands #0 960 175	Sweden #0 960 175

PRODUCT DESCRIPTION

AW12 is a polyester film, single coated with a silicone pressure sensitive adhesive. Tape is laminated with a center tab, and discs are rotary die-cut on a specially formulated fluorosilicone liner

TYPICAL APPLICATIONS

Masking in Powder Coating, and Wet Spray. Also can be used for E-Coating, Anodizing and Plating applications (See Note Below)

CONSTRUCTION

Total Thickness	3.5 mils
Adhesive Thickness	1.5 mils
Carrier Thickness	2.0 mils
Adhesive Type	Silicone
Carrier Type	Polyester
Color	Green

SPECIFICATIONS

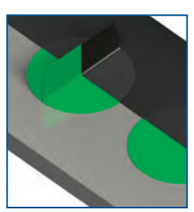
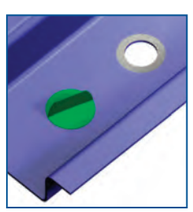
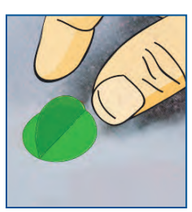
Maximum Temperature (F)	400°
Tensile Strength (lbs/inch)	50
Elongation (%)	110
Peel Adhesion (oz/inch)	35

Our U.S. and Internationally Patented AW12 green polyester wishbone discs are rapidly becoming the discs of choice for general purpose powder coating applications. Easy grip tab aids in proper disc placement. Eliminate the "hunt" for buried discs that cause rework; the easy-to-find tab makes locating and removing the disc quick and free from surface marring. AW12 discs are cut with high-precision rotary tooling

400°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

AW12 SERIES

PART NUMBER	Diameter (in)	Standard Diameter (in)	Diameter (mm)	Discs Per Roll
AW12-0095	0.375	3/8 in	9.5	500
AW12-0100	0.394	----	10.0	500
AW12-0111	0.438	7/16 in	11.1	500
AW12-0127	0.500	1/2 in	12.7	500
AW12-0143	0.563	9/16 in	14.3	500
AW12-0151	0.594	19/32 in	15.1	500
AW12-0159	0.625	5/8 in	15.9	500
AW12-0160	0.630	----	16.0	500
AW12-0174	0.685	11/16 in	17.4	500
AW12-0190	0.750	3/4 in	19.0	500
AW12-0200	0.787	----	20.0	500
AW12-0206	0.812	13/16 in	20.6	500
AW12-0214	0.843	27/32 in	21.4	500
AW12-0222	0.875	7/8 in	22.2	500
AW12-0254	1.000	1 in	25.4	500
AW12-0270	1.063	1 1/16 in	27.0	500
AW12-0286	1.125	1 1/8 in	28.6	500
AW12-0318	1.250	1 1/4 in	31.8	500
AW12-0349	1.375	1 3/8 in	34.9	500
AW12-0381	1.500	1 1/2 in	38.1	500
AW12-0413	1.625	1 5/8 in	41.3	250
AW12-0445	1.750	1 3/4 in	44.5	250
AW12-0476	1.875	1 7/8 in	47.6	250
AW12-0508	2.000	2 in	50.8	250
AW12-0572	2.250	2 1/4 in	57.2	100
AW12-0603	2.375	2 3/8 in	60.3	100
AW12-0635	2.500	2 1/2 in	63.5	100
AW12-0699	2.750	2 3/4 in	69.9	100
AW12-0762	3.000	3 in	76.2	100
AW12-1016	4.000	4 in	101.6	100

Current pricing and additional sizes available at www.epsi.com

B12 TAPE SERIES - BLUE POLY TAPE



- Extremely conformable
- Good chemical resistance
- Prevents leakage
- Removes cleanly after use

PRODUCT DESCRIPTION

Our B12 blue polyester tape is ideal for general powder coating applications; it is the industry standard for conformable polyesters. B12 removes cleanly from surfaces without leaving a residue and is well-suited for applications such as taping off large surfaces, general purpose die cutting, PC board masking, and sharp edge masking

TYPICAL APPLICATIONS

Powder Coating, E-Coating, Circuit Board Insulation and Hot Air Leveling

CONSTRUCTION

Total Thickness	3.0 mils
Adhesive Thickness	2.0 mils
Carrier Thickness	1.0 mils
Adhesive Type	Silicone
Carrier Type	Polyester
Color	Light Blue

SPECIFICATIONS

Maximum Temperature (F)	350°
Tensile Strength (lbs/inch)	22
Elongation (%)	80
Peel Adhesion (oz/inch)	25
Dielectric Strength (volts)	5000

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
B12-00032	72	1/8 in	0.125	66	3.2	192
B12-00064	72	1/4 in	0.250	66	6.4	128
B12-00127	72	1/2 in	0.500	66	12.7	64
B12-00190	72	3/4 in	0.750	66	19.0	40
B12-00254	72	1 in	1.000	66	25.4	32
B12-00381	72	1 1/2 in	1.500	66	38.1	20
B12-00508	72	2 in	2.000	66	50.8	16
B12-00635	72	2 1/2 in	2.500	66	63.5	8
B12-00762	72	3 in	3.000	66	76.2	8
B12-01016	72	4 in	4.000	66	101.6	8

Current pricing and additional sizes available at www.epsi.com

350°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

D12 TAPE SERIES - RED POLY TAPE



- Extremely conformable
- Good chemical resistance
- Preshrunk film
- Removes cleanly after use

PRODUCT DESCRIPTION

Our D12 red polyester tape is the industry standard for immersion coating applications. Its thin carrier thickness and high adhesion properties make it an ideal candidate where plating, anodizing and E-Coating is used, or where a moisture proof seal is required

CONSTRUCTION

Total Thickness	3.7 mils
Adhesive Thickness	2.7 mils
Carrier Thickness	1.0 mils
Adhesive Type	Silicone
Carrier Type	Polyester
Color	Red

SPECIFICATIONS

Maximum Temperature (F)	350°
Tensile Strength (lbs/inch)	30
Elongation (%)	120
Peel Adhesion (oz/inch)	25

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
D12-00064	72	1/4	0.250	66	6.4	128
D12-00127	72	1/2 in	0.500	66	12.7	48
D12-00190	72	3/4 in	0.750	66	19.0	32
D12-00254	72	1 in	1.000	66	25.4	24
D12-00381	72	1 1/2 in	1.500	66	38.1	16
D12-00508	72	2 in	2.000	66	50.8	12

Current pricing and additional sizes available at www.epsi.com

350ºF intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application.This product should be tested to determine the suitability for its intended use.

012 TAPE SERIES - ULTRA ORANGE POLY TAPE



- Maximum Temperature: 430°F
- Total Thickness: 3.5 mils
- Hi-Temperature silicone adhesive system
- Removes cleanly after use
- No shrinkage
- More flexible than green poly tape (A12)

PRODUCT DESCRIPTION

012 is a polyester film, single coated with a silicone pressure sensitive adhesive

TYPICAL APPLICATIONS

Masking in Powder Coating, E-Coating, Anodizing and Some Plating Applications, Electrical

CONSTRUCTION

Total Thickness	3.5 mils
Adhesive Thickness	1.5 mils
Carrier Thickness	2.0 mils
Adhesive Type	Silicone
Carrier Type	Polyester
Color	Orange

SPECIFICATIONS

Maximum Temperature (F)	430°
Tensile Strength (lbs/inch)	50
Elongation (%)	110
Peel Adhesion (oz/inch)	35

430°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

012 SERIES

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
O12-00032	72	1/8 in	0.125	66	3.2	256
O12-00048	72	3/16 in	0.188	66	4.8	168
O12-00064	72	1/4 in	0.250	66	6.4	128
O12-00079	72	5/16 in	0.313	66	7.9	96
O12-00095	72	3/8 in	0.375	66	9.5	84
O12-00111	72	7/16 in	0.438	66	11.1	
O12-00127	72	1/2 in	0.500	66	12.7	
O12-00127 (case)						64
O12-00143	72	9/16 in	0.563	66	14.3	
O12-00159	72	5/8 in	0.625	66	15.9	48
O12-00190	72	3/4 in	0.750	66	19.0	
O12-00190 (case)						40
O12-00222	72	7/8 in	0.875	66	22.2	
O12-00254	72	1 in	1.000	66	25.4	
O12-00254 (case)						32
O12-00286	72	1 1/8 in	1.125	66	28.6	
O12-00318	72	1 1/4 in	1.250	66	31.8	24
O12-00349	72	1 3/8 in	1.375	66	34.9	
O12-00381	72	1 1/2 in	1.500	66	38.1	
O12-00381 (case)						20
O12-00413	72	1 5/8 in	1.625	66	41.3	
O12-00445	72	1 3/4 in	1.750	66	44.5	16
O12-00508	72	2 in	2.000	66	50.8	
O12-00508 (case)						16
O12-00572	72	2 1/4 in	2.250	66	57.2	12
O12-00635	72	2 1/2 in	2.500	66	63.5	12
O12-00699	72	2 3/4 in	2.750	66	69.9	8
O12-00762	72	3 in	3.000	66	76.2	
O12-00762 (case)						12
O12-00889	72	3 1/2 in	3.500	66	88.9	8
O12-01016	72	4 in	4.000	66	101.6	
O12-01270	72	5 in	5.000	66	127.0	8
O12-01524	72	6 in	6.000	66	152.4	8
O12-01778	72	7 in	7.000	66	177.8	4
O12-02032	72	8 in	8.000	66	203.2	4
O12-02540	72	10 in	10.000	66	254.0	
O12-03048	72	12 in	12.000	66	304.8	

Current pricing and additional sizes available at www.epsi.com

R12 TAPE SERIES - RUSTY POLY TAPE



PRODUCT DESCRIPTION

Our R12 rusty polyester tape is ideal for high temp powder coating and e-coating applications. It is an economical choice for applications requiring temperature resistance greater than general purpose green polyester tape, but less than the high temp polyimide tapes

SPECIFICATIONS

Maximum Temperature (F)	430°
Tensile Strength (lbs/inch)	50
Elongation (%)	100
Peel Adhesion (oz/inch)	35

- Maximum Temperature: 430°F
- Removes cleanly after use with no shrinkage

CONSTRUCTION

Total Thickness	3.4 mils
Adhesive Thickness	1.4 mils
Carrier Thickness	2.0 mils
Adhesive Type	Silicone
Carrier Type	Polyester
Color	Rusty

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
R12-00064	72	1/4 in	0.250	66	6.4	96
R12-00095	72	3/8 in	0.375	66	9.5	64
R12-00127	72	1/2 in	0.500	66	12.7	48
R12-00159	72	5/8 in	0.625	66	15.9	40
R12-00190	72	3/4 in	0.750	66	19.1	32
R12-00254	72	1 in	1.000	66	25.4	24
R12-00318	72	1 1/4 in	1.250	66	31.8	20
R12-00381	72	1 1/2 in	1.500	66	38.1	16
R12-00508	72	2 in	2.000	66	50.8	12
R12-00762	72	3 in	3.000	66	76.2	8
R12-01016	72	4 in	4.000	66	101.6	8
R12-01270	72	5 in	5.000	66	127.0	
R12-01524	72	6 in	6.000	66	152.4	

Current pricing and additional sizes available at www.epsi.com

430°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

K12/K22 TAPE SERIES - 1 MIL & 2 MIL POLYIMIDE TAPE



- Maximum Temperature: 500°F (K12) & 600°F (K22)
- K12 is thin and conformable, enabling masking of uneven surfaces
- K22's high-strength backing provides superior puncture, tear and abrasion resistance
- Removes cleanly without adhesive residue after exposure to heat and/or chemicals
- Chemically resistent
- Flame-retardant and excellent electrical insulation

PRODUCT DESCRIPTION

Our K12 polyimide film tape combines a 1.6 mil high temperature pressure sensitive adhesive with a 1.0 mil flexible carrier to create a tape product which is perfect for high temperature masking needs. Typical applications include the protection of printed circuit board gold finger contact leads during wave soldering

Our K22 polyimide film tape combines a 1.5 mil high temperature pressure sensitive adhesive with a 2.0 mil flexible carrier to create a tape product which is perfect for high temperature masking needs. Typical applications include the electrical insulation of high temperature coils, motors and transformers

TYPICAL APPLICATIONS

Powder Coating, E-Coating, Wave Soldering, Circuit Board Insulation and Hot Air Leveling. The product is UL approved for use in the electrical insulation applications meeting Class H requirements

CONSTRUCTION	K12	K22
Total Thickness	2.6 mils	3.5 mils
Adhesive Thickness	1.6 mils	1.5 mils
Carrier Thickness	1.0 mil	2.0 mils
Adhesive Type	Silicone	Silicone
Carrier Type	Polyimide	Polyimide
Color	Amber	Amber

SPECIFICATIONS	K12	K22
Maximum Temperature (F)	500°	600°
Tensile Strength (lbs/inch)	30	55
Elongation (%)	60	60
Peel Adhesion (oz/inch)	25	22
Dielectric Strength (volts)	6800	12000
Government Specifications	UL Number E197661	NA

500°F & 600°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

K12 SERIES

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
K12-00032	36	1/8 in	0.013	33	3.2	192
K12-00064	36	1/4 in	0.250	33	6.4	96
K12-00095	36	3/8 in	0.375	33	9.5	64
K12-00127	36	1/2 in	0.500	33	12.7	48
K12-00159	36	5/8 in	0.625	33	15.9	40
K12-00190	36	3/4 in	0.750	33	19.1	32
K12-00254	36	1 in	1.000	33	25.4	24
K12-00286	36	1 1/8 in	1.125	33	28.6	20
K12-00318	36	1 1/4 in	1.250	33	31.8	20
K12-00381	36	1 1/2 in	1.500	33	38.1	16
K12-00508	36	2 in	2.000	33	50.8	12
K12-00762	36	3 in	3.000	33	76.2	8
K12-01016	36	4 in	4.000	33	101.6	8
K12-01524	36	6 in	6.000	33	152.4	4

K22 SERIES

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
K22-00032	36	1/8 in	0.013	33	3.2	192
K22-00064	36	1/4 in	0.250	33	6.4	96
K22-00095	36	3/8 in	0.375	33	9.5	64
K22-00111	36	7/16 in	0.437	33	11.1	56
K22-00127	36	1/2 in	0.500	33	12.7	48
K22-00159	36	5/8 in	0.625	33	15.9	40
K22-00190	36	3/4 in	0.750	33	19.1	32
K22-00254	36	1 in	1.000	33	25.4	24
K22-00286	36	1 1/8 in	1.125	33	28.6	20
K22-00381	36	1 1/2 in	1.500	33	38.1	16
K22-00508	36	2 in	2.000	33	50.8	12
K22-00762	36	3 in	3.000	33	76.2	8
K22-01016	36	4 in	4.000	33	101.6	8

Current pricing and additional sizes available at www.epsi.com

KD22 TAPE SERIES - 2 MIL POLYIMIDE DISCS



- Maximum Temperature: 600°F
- Total Thickness: 3.5 mils
- High-strength backing provides superior puncture, tear and abrasion resistance
- Removes cleanly after use
- Chemically resistant
- Flame-retardant
- Excellent electrical insulation

PRODUCT DESCRIPTION

KD22 is a 2.0 mil thick polyimide film, single coated with a high-performance silicone pressure sensitive adhesive Tape is laminated and discs are rotary die-cut on a specially formulated fluorosilicone liner

TYPICAL APPLICATIONS

Powder Coating, E-Coating, Wave Soldering, Circuit Board Insulation. Electrical insulation of various high temperature coils, motors and transformers meeting class H requirements

CONSTRUCTION

Total Thickness	3.5 mils
Adhesive Thickness	1.5 mils
Carrier Thickness	2.0 mils
Adhesive Type	Silicone
Carrier Type	Polyimide
Color	Amber

SPECIFICATIONS

Maximum Temperature (F)	600°
Tensile Strength (lbs/inch)	55
Elongation (%)	60
Peel Adhesion (oz/inch)	22
Dielectric Strength (volts)	12000

Our KD22 polyimide discs combine 1.5 mils of high temperature pressure sensitive silicone adhesive with a 2.0 mil flexible carrier to create a tape product perfect for high temperature masking needs. Typical applications include the electrical insulation of high temperature coils, motors and transformers meeting Class H requirements

600ºF intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

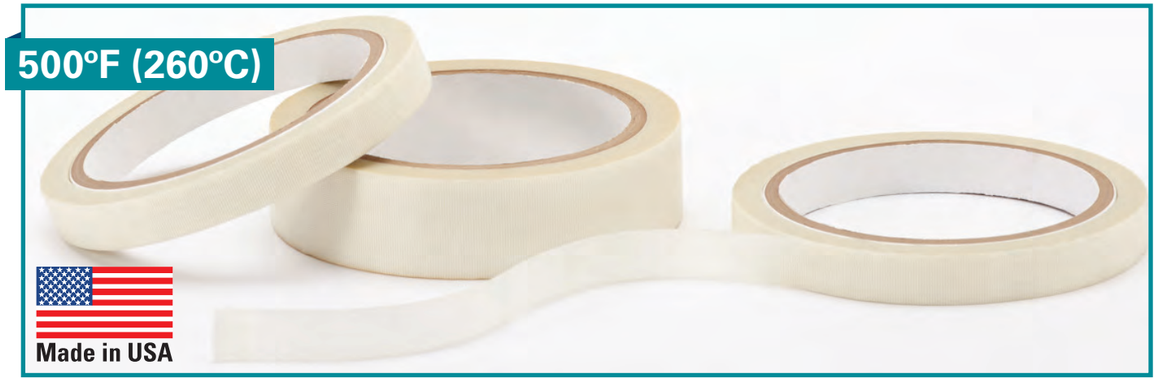
KD22 SERIES

PART NUMBER	Diameter (in)	Standard Diameter (in)	Diameter (mm)	Discs Per Roll
KD22-0064	0.250	1/4 in	6.4	2000
KD22-0087	0.343	11/32 in	8.7	2000
KD22-0095	0.375	3/8 in	9.5	2000
KD22-0127	0.500	1/2 in	12.7	2000
KD22-0190	0.750	3/4 in	19.0	1000
KD22-0254	1.000	1 in	25.4	500
KD22-0381	1.500	1 1/2 in	38.1	500
KD22-0508	2.000	2 in	50.8	100

- Other sizes available upon request
- Custom shapes and sizes can be produced in as little as 2 days
- All rolls over 1/2” can be produced with a slit back liner. When ordering, add “-S” to the part number. *Example: KD22-0127-S*

Current pricing and additional sizes available at www.epsi.com

F12 TAPE SERIES - FIBERGLASS [GLASS CLOTH] TAPE
FD12 TAPE SERIES - FIBERGLASS [GLASS CLOTH] DOTS



- Maximum Temperature: 500°F
- Total Thickness: 7.0 mils
- Maximum resistance to flagging and varnish solvents
- High tensile strength
- Non-corrosive
- Extremely high abrasive resistance frey-free edges

PRODUCT DESCRIPTION

F12 is a fiberglass reinforced cloth substrate with a proprietary Therm-X silicone adhesive system

TYPICAL APPLICATIONS

Powder Coating, Plasma Spray, Thermal Spray, Grit and Shot Blasting

CONSTRUCTION

Total Thickness	7.0 mils
Adhesive Thickness	2.0 mils
Carrier Thickness	5.0 mils
Adhesive Type	Silicone
Carrier Type	Glass Cloth
Color	White

SPECIFICATIONS

Maximum Temperature (F)	500°
Tensile Strength (lbs/inch)	170
Elongation (%)	8
Peel Adhesion (oz/inch)	40
Dielectric Strength (volts)	3000
Insulation Resistance (meg ohms)	1500

Our F12 fiberglass tape combines a 2.0 mil Silicone adhesive with 5.0 mil glass cloth carrier to create a tape product which is ideal for shot blasting, grit blasting, thermal spray and plasma spray applications. Typically fiberglass tape is used to protect machined surfaces during shot blasting applications. F12 is an excellent choice in thermal spray and plasma spray applications due to its excellent resistance to intense heat. Not recommended for applications involving immersion coating due to the porous nature of the glass cloth backing

500°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

F12 SERIES

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
F12-00095	36	3/8 in	0.375	33	9.5	64
F12-00127	36	1/2 in	0.500	33	12.7	48
F12-00190	36	3/4 in	0.750	33	19.1	32
F12-00254	36	1 in	1.000	33	25.4	24
F12-00318	36	1 1/4 in	1.250	33	31.8	20
F12-00381	36	1 1/2 in	1.500	33	38.1	16
F12-00508	36	2 in	2.000	33	50.8	12
F12-00635	36	2 1/2 in	2.500	33	63.5	8
F12-00762	36	3 in	3.000	33	76.2	8
F12-01016	36	4 in	4.000	33	101.6	8
F12-01270	36	5 in	5.000	33	127.0	4



DISCS:

- Other sizes available upon request
- Please call an EPSI representative for pricing and availability

FD12 SERIES

PART NUMBER	Length (yds)	Standard Diameter (in)	Diameter (in)	Length (m)	Diameter (mm)	Discs Per Roll
FD12-0127	36	1/2 in	0.500	33	12.7	2000
FD12-0190	36	3/4 in	0.750	33	19.0	1000
FD12-0254	36	1 in	1.000	33	25.4	500
FD12-0381	36	1 1/2 in	1.500	33	38.1	500
FD12-0508	36	2 in	2.000	33	50.8	100

All rolls over 1/2" can be produced with a slit back liner. When ordering, add "-S" to the part number. Example: FD12-0127-S

Current pricing and additional sizes available at www.epsi.com

C10 TAPE SERIES - CREPE MASKING TAPE 3M™ 2364 Tape



- Maximum Temperature: 300°F
- Total Thickness: 6.5 mils (w/o liner)
- Good conformability and curve masking
- Solvent resistant
- Prevents bleed-through
- Sliver resistant
- Good paint flaking resistance
- Helps minimize rework

PRODUCT DESCRIPTION

C10 (2364) is a tan colored crepe paper masking tape with a natural synthetic rubber blend adhesive

TYPICAL APPLICATIONS

General masking applications in the industrial market including low temperature powder coating and liquid spray applications

CONSTRUCTION

Total Thickness	6.5 mils
Adhesive Type	Natural/synthetic rubber blend
Carrier Type	A smooth crepe paper treated with a heat resistant saturant
Color	Tan

SPECIFICATIONS

Temperature Range (°F)	300° (for 30 min)
Tensile Strength (lbs/inch)	30
Elongation (%)	10
Peel Adhesion (oz/inch)	36

Note: Should not be subjected to outdoor exposure or prolonged sunlight. Tape may become difficult to remove

C10 (2364) general purpose crepe tape is ideal for applications where good holding power and temperature performance are required. It can be used in low temperature powder coating, as well as in wet spray applications. Due to its economical price point, C10 (2364) is an excellent solution for large, flat surfaces that require masking during wet spray

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width mm)	Case Qty
C10-00095	60	3/8 in	0.375	55	9.5	84
C10-00127	60	1/2 in	0.500	55	12.7	64
C10-00190	60	3/4 in	0.750	55	19.1	40
C10-00254	60	1 in	1.000	55	25.4	32
C10-00318	60	1 1/4 in	1.250	55	31.8	24
C10-00381	60	1 1/2 in	1.500	55	38.1	20
C10-00445	60	1 3/4 in	1.750	55	44.5	16
C10-00508	60	2 in	2.000	55	50.8	16
C10-00762	60	3 in	3.000	55	76.2	8
C10-01016	60	4 in	4.000	55	101.6	8
C10-01524	60	6 in	6.000	55	152.4	4

Current pricing and additional sizes available at www.epsi.com

300°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

C12 TAPE SERIES - CREPE MASKING TAPE 3M™ 2380 Tape



- Maximum Temperature: 325°F
- Total Thickness: 7.5 mils
- Instant adhesion
- Good holding power
- Superior adhesive transfer resistance
- Smooth; dead stretch
- Conformable

AUTHORIZED 3M CONVERTER

PRODUCT DESCRIPTION

C12 (2380) is a tan colored smooth crepe paper treated with a heat and solvent resistant saturant and a natural synthetic rubber blend adhesive

TYPICAL APPLICATIONS

A smooth, strong, mini-crepe paper masking tape suitable for most paint masking applications. Designed for industrial use where a good paint line is desired and drying conditions range from air dry to an oven bake

CONSTRUCTION

Total Thickness	7.5 mils (w/o liner)
Adhesive Type	Natural/synthetic rubber blend
Carrier Type	A smooth crepe paper treated with a heat and solvent resistant saturant
Color	Tan

SPECIFICATIONS

Temperature Range (°F)	325° (for one hour)
Tensile Strength (lbs/inch)	27
Elongation (%)	10
Peel Adhesion (oz/inch)	43

Note: Should not be subjected to outdoor exposure or prolonged sunlight. Tape may become difficult to remove

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
C12-00095	60	3/8 in	0.375	55	9.5	84
C12-00127	60	1/2 in	0.500	55	12.7	64
C12-00143	60	9/16 in	0.563	55	14.3	40
C12-00159	60	5/8 in	0.625	55	15.9	40
C12-00190	60	3/4 in	0.750	55	19.1	40
C12-00254	60	1 in	1.000	55	25.4	32
C12-00381	60	1 1/2 in	1.500	55	38.1	16
C12-00508	60	2 in	2.000	55	50.8	12
C12-00762	60	3 in	3.000	55	76.2	8
C12-01016	60	4 in	4.000	55	101.6	8
C12-01524	60	6 in	6.000	55	152.4	4

Current pricing and additional sizes available at www.epsi.com

325°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

C21 TAPE SERIES - HI-TEMP CREPE MASKING TAPE

[PG-21™]



- Straight, clean paint-break line
- Highly conformable and flexible
- Tear resistant; solvent resistant
- Resists paint flaking upon removal

PRODUCT DESCRIPTION

Our C21 is the industry standard in high performance crepe tape for low temp powder coating and liquid top coat. It is designed for clean removal from a variety of surfaces after exposure to oven temperatures up to 325°F. C21 performs well in wet spray applications. Its easy handling smooth crepe backing exhibits high strength, excellent conformability to irregular surfaces and exceptional cornering characteristics

CONSTRUCTION

Total Thickness	7.3 mils
Adhesive Type	Rubber/ Resin Adhesive
Carrier Type	Fine Structured Crepe Paper

SPECIFICATIONS

Maximum Temperature (F)	325°
Tensile Strength (lbs/inch)	26
Elongation (%)	10
Peel Adhesion (oz/inch)	28

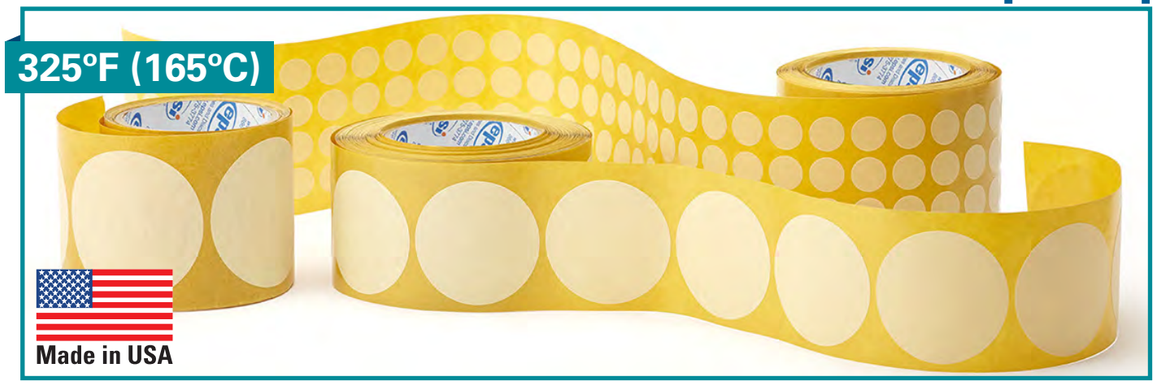
PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
C21-00064	60	1/4 in	0.250	55	6.4	96
C21-00095	60	3/8 in	0.375	55	9.5	64
C21-00127	60	1/2 in	0.500	55	12.7	48
C21-00190	60	3/4 in	0.750	55	19.1	32
C21-00254	60	1 in	1.000	55	25.4	24
C21-00318	60	1 1/4 in	1.250	55	31.8	20
C21-00381	60	1 1/2 in	1.500	55	38.1	16
C21-00508	60	2 in	2.000	55	50.8	12
C21-00635	60	2 1/2 in	2.500	55	63.5	8
C21-00762	60	3 in	3.000	55	76.2	8
C21-01016	60	4 in	4.000	55	101.6	8
C21-01270	60	5 in	5.000	55	127.0	4
C21-01524	60	6 in	6.000	55	152.4	4

Current pricing and additional sizes available at www.epsi.com

325°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

CD21 TAPE SERIES - HI-TEMP CREPE DISCS

[PG-21™]



- Maximum Temperature: 325°F
- Total Thickness: 7.3 mils
- Smooth to touch and easy to work with
- Clean paint break-line
- Highly conformable and flexible
- Tear resistant; solvent resistant
- Resists paint flaking upon removal

PRODUCT DESCRIPTION

CD21 (PG-21) is a tan colored crepe paper masking tape with a rubber resin blended adhesive. Tape is laminated and discs are rotary die-cut on a specially formulated paper release liner

TYPICAL APPLICATIONS

General masking applications in the industrial market including low temperature Powder Coating and Liquid Spray applications

CONSTRUCTION

Total Thickness	7.3 mils
Adhesive Type	Rubber/ Resin Adhesive
Carrier Type	Fine Structured Crepe Paper
Color	Tan; Kraft

SPECIFICATIONS

Maximum Temperature (F)	325°
Tensile Strength (lbs/inch)	26
Elongation (%)	10
Peel Adhesion (oz/inch)	28

Our CD21 (PG-21) is the industry standard in high performance crepe discs. They are high temperature pressure-sensitive masking discs designed for clean removal from a variety of surfaces after exposure to oven temperatures up to 325°F. CD21 (PG-21) discs perform well in wet strip applications

325°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

CD21 SERIES

PART NUMBER	Diameter (in)	Standard Diameter (in)	Diameter (mm)	Discs Per Roll
CD21-0032	0.125	1/8 in	3.2	5000
CD21-0048	0.188	3/16 in	4.8	5000
CD21-0056	0.220	7/32 in	5.6	5000
CD21-0064	0.250	1/4 in	6.4	5000
CD21-0079	0.313	5/16 in	7.9	5000
CD21-0095	0.375	3/8 in	9.5	5000
CD21-0103	0.406	13/32 in	10.3	5000
CD21-0111	0.438	7/16 in	11.1	5000
CD21-0127	0.500	1/2 in	12.7	5000
CD21-0143	0.563	9/16 in	14.3	5000
CD21-0159	0.625	5/8 in	15.9	5000
CD21-0190	0.750	3/4 in	19.0	4000
CD21-0222	0.875	7/8 in	22.2	2000
CD21-0254	1.000	1 in	25.4	2000
CD21-0286	1.125	1 1/8 in	28.6	2000
CD21-0318	1.250	1 1/4 in	31.8	2000
CD21-0349	1.375	1 3/8 in	34.9	2000
CD21-0381	1.500	1 1/2 in	38.1	2000
CD21-0445	1.750	1 3/4 in	44.5	1000
CD21-0508	2.000	2 in	50.8	500
CD21-0572	2.250	2 1/4 in	57.2	500
CD21-0635	2.500	2 1/2 in	63.5	500
CD21-0699	2.750	2 3/4 in	69.9	500
CD21-0762	3.000	3 in	76.2	500
CD21-0889	3.500	3 1/2 in	88.9	500
CD21-1016	4.000	4 in	101.6	250
CD21-1079	4.250	4 1/4 in	107.9	250
CD21-1143	4.500	4 1/2 in	114.3	250
CD21-1270	5.000	5 in	127.0	250
CD21-1524	6.000	6 in	152.4	250
CD21-2032	8.000	8 in	203.2	100

- Current pricing and additional sizes available at www.epsi.com
- Custom shapes and sizes can be produced in as little as 2 days
- All rolls over 1/2” can be produced with a slit back liner. When ordering, add “-S” to the part number. *Example: CD21-0127-S*

Current pricing and additional sizes available at www.epsi.com

SPVC TAPE SERIES - SANDBLASTING TAPE

176ºF (80ºC)



- Superior quality with a long shelf-life
- Very effective moisture and vapor barrier
- Highly conformable
- Resists aging, sun, water, fungus, bacteria, oils, acids, alkalies, and corrosive chemicals
- Good abrasion, impact, and rupture resistance

PRODUCT DESCRIPTION

Our SPVC Pipe Wrap/Surface Protection Tape is highly resistant to sun, water, oil, acids, alkalies and corrosive chemicals, bacteria and fungus resistant, abrasion resistant, provides electrical protection and protects pipe joints, conduit couplings for overhead or direct buried applications

PRODUCT SPECIFICATIONS

- Thickness: 20mil (0.50mm)
- Black matte finish
- Rubber Adhesive
- Adhesion/steel: 11 oz/in
- Tensile Strength: 32 lb/in
- Elongation: 360%
- Temperature Resistance: 176°F (80°C)

PART NUMBER	COLOR	WIDTH (in)	WIDTH (mm)	LENGTH
SPVC-00254	BLACK	1.0 in	25.4	100ft
SPVC-00508	BLACK	2.0 in	50.8	100ft
SPVC-00762	BLACK	3.0 in	76.2	100ft
SPVC-01016	BLACK	4.0 in	101.6	100ft
SPVC-01524	BLACK	6.0 in	152.4	100ft

Custom Widths Available Upon Request
Current pricing and additional sizes available at www.epsi.com

S10/S20/S30 TAPE SERIES - SILICONE SELF-FUSING TAPE







- Maximum Temperature: 600°F
- Excellent insulation value up to 12,000 volts
- No adhesive; only sticks to itself
- waterproof
- form Fitting

PRODUCT DESCRIPTION

Our high temperature silicone self-fusing tape line has no adhesive, leaves no residue and fuses to itself in 24 hours to form a permanent watertight seal. It is ideal for high temperature applications such as electrical insulation, splicing and cable harnesses

TYPICAL APPLICATION

Powder Coating, E-Coating, Plating, Anodizing and Harness Wrapping. Additional uses include Automotive Repair, Lead Termination, Home Repairs, Marine Applications and as a Grip Tape

SPECIFICATIONS

Temperature Range (F)	Continuous: -65 to 500°F Intermittent: -85 to 600°F
Tensile Strength (PSI)	700 PSI Minimum (ASTM D-412)
Elongation (%)	300
Tear Resistance (PSI)	85
Durometer (Shore A)	50 (Room Cured)
Dielectric Strength (VPM)	200 - 400
Dielectric Constant (1 KHz)	2.95
Dissipation Factor (1KHz)	<.0004
Insulation Resistance (ohms/cm)	3 X 10^14
Moisture Absorption	3% Max. by weight
Government Specifications	Meets or Exceeds A-A-59163 (Supersedes mils I-46852C)

S10 SERIES

PART NUMBER	COLOR	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
S10-00127-Y	GREY	18	1/2 in	0.500	16	12.7	8
S10-00191-Y	GREY	18	3/4 in	0.750	16	19.1	8
S10-00254-Y	GREY	18	1 in	1.000	16	25.4	8

Flat

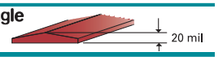


*OTHER COLORS AVAILABLE

S20 SERIES

PART NUMBER	COLOR	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
S20-00254-F	RUSTY	12	1 in	1.000	11	25.4	8
S20-00381-F	RUSTY	12	1 1/2 in	1.500	11	38.1	8
S20-00508-F	RUSTY	12	2 in	2.000	11	50.8	8

Triangle

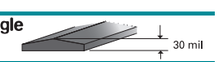


*OTHER COLORS AVAILABLE

S30 SERIES

PART NUMBER	COLOR	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
S30-00254-B	BLACK	12	1 in	1.000	11	25.4	8
S30-00381-B	BLACK	12	1 1/2 in	1.500	11	38.1	8
S30-00508-B	BLACK	12	2 in	2.000	11	50.8	8

Triangle



*OTHER COLORS AVAILABLE

Current pricing and additional sizes available at www.epsi.com

600°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

M10 TAPE SERIES - ALUMINUM TAPE



- Maximum Temperature: 325°F
- High reflectivity assures effective heat, light interference
- Malleable foil conforms well to irregular surfaces
- Effective as electrical isolation shielding

PRODUCT DESCRIPTION

3.0 mil high strength self-wound dead soft aluminum foil coated with an aggressive acrylic adhesive system to create a superior bond

TYPICAL APPLICATIONS

Waterproofing, vapor barrier, air leakage protection, metal patching and sound dampening. As a sealing system in refrigerated applications and microwave ovens. Electrical isolation shielding. Masking in paint stripping and electroplating

CONSTRUCTION

Total Thickness	5.0 mils
Adhesive Thickness	2.0 mils
Carrier Thickness	3.0 mils
Adhesive Type	Acrylic
Carrier Type	Soft Aluminum Foil
Color	Silver

SPECIFICATIONS

Maximum Temperature (F)	325°
Tensile Strength (lbs/inch)	28
Elongation (%)	5.5
Peel Adhesion (oz/inch)	72
Government Specifications:	Meets Specifications for LT-80-B; MIL-T-23397B, Amendment 2, Type II

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	MOQ	Case Qty
M10-00127	36	1/2 in	0.500	33	12.7	96	96
M10-00190	36	3/4 in	0.750	33	19.1	48	48
M10-00254	36	1 in	1.000	33	25.4	36	36
M10-00381	36	1 1/2 in	1.500	33	38.1	24	24
M10-00508	36	2	2.000	33	50.8	24	24
Customer must order vendor minimum quantity of M10 Aluminum Tape							

Current pricing and additional sizes available at www.epsi.com

325°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

P12 TAPE SERIES - LEAD FOIL TAPE

225°F (105°C)



- Maximum Temperature: 225°F
- Good solvent resistance
- Excellent adhesion to a wide variety of surfaces
- Highly malleable

PRODUCT DESCRIPTION

100% pure lead foil with a synthetic rubber adhesive wound with a liner

TYPICAL APPLICATION

Used for stop off masking during electroplating, chemical milling, paint stripping and where a moisture proof seal is required. Also used as an electromagnetic and radio frequency shield

SPECIFICATIONS

Maximum Temperature (F)	225°
Tensile Strength (lbs/inch)	23
Elongation (%)	30
Peel Adhesion (oz/inch)	96
Government Specifications	HH-T-29A, Amendment 2

CONSTRUCTION

Total Thickness	6.5 mils
Adhesive Thickness	1.5 mils
Carrier Thickness	5.0 mils
Adhesive Type	Blended Rubber
Carrier Type	Lead Foil
Color	Silver

Note: Wear protective gloves and/or wash hands after working with tape. Lead will slowly leach into water when submerged. Leaching will accelerate as acidity increases. This material when disposed of separately is classified as RCRA hazardous waste. Please consult applicable Federal, State and Local regulations for proper disposal

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	MOQ
P12-00127	36	1/2 in	0.500	33	12.7	**10**
P12-00190	36	3/4 in	0.750	33	19.1	**10**
P12-00254	36	1 in	1.000	33	25.4	**10**
Customer must order vendor minimum quantity on P12 Lead Foil Tape						

Current pricing and additional sizes available at www.epsi.com

225°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

P14 TAPE SERIES - LEAD FOIL TAPE

3M™ 421 Tape

225°F (110°C)



- Electrically conductive
- Malleable and conforms to surfaces
- Good chemical resistance
- Minimizes undercutting for straighter lines

PRODUCT DESCRIPTION

P14 (421) has a 5 mil nominal lead foil backing with a rubber adhesive, which is well suited as a masking in electroplating and as a moisture and radiation barrier in certain applications. Additional applications include Radiation Barrier; Moisture Barrier; Chemical Milling; X-Ray Plate Masking

CONSTRUCTION

Total Thickness	6.8 mils (w/o liner)
Adhesive Thickness	2.1 mils
Carrier Thickness	4.7 mils
Adhesive Type	Rubber (green)
Carrier Type	Lead foil

SPECIFICATIONS

Temperature Range (°F)	-60° to 225°
Tensile Strength (lbs/inch)	20
Elongation (%)	12
Peel Adhesion (oz/inch)	45
Moisture Vapor	0.1g H20/100sq. In./24hrs

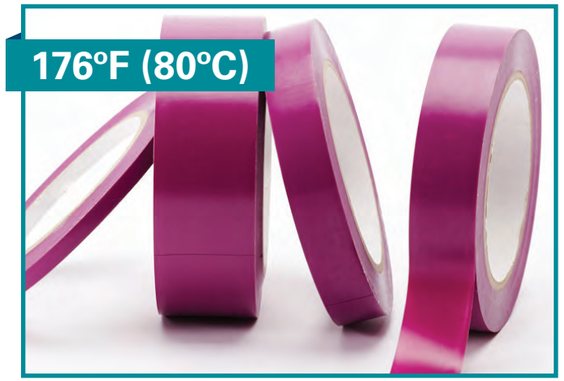
Note: Wear protective gloves and/or wash hands after working with tape. Lead will slowly leach into water when submerged. Leaching will accelerate as acidity increases. This material when disposed of separately is classified as RCRA hazardous waste. Please consult applicable Federal, State and Local regulations for proper disposal

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Case Qty	MOQ	Order Inc.	Case Qty
P14-00127	36	1/2 in	0.500	72	18	18	18
P14-00190	36	3/4 in	0.750	48	12	12	12
P14-00254	36	1 in	1.000	36	9	9	9
P14-00381	36	1 1/2 in	1.500	24	30	30	6
P14-00508	36	2 in	2.000	24	6	6	6
P14-00762	36	3 in	3.000	16	8	8	4
P14-01016	36	4 in	4.000	12	12	12	3
Customer must order vendor minimum quantity on P14 Lead Foil Tape							

Current pricing and additional sizes available at www.epsi.com

225°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

V10 TAPE SERIES - GENERAL PURPOSE VINYL TAPE



- Effective vapor and moisture barrier
- Highly conformable
- Resistant to aging, sun, water, fungus, bacteria, oil, acids, alkalis and corrosive chemicals
- Good abrasion, impact and rupture resistance.
- Conforms to PPP-T-66E, Type 1, Class 2; A-A-1689A

PRODUCT DESCRIPTION

Used for color coding, lane marking and safety coding to meet OSHA requirements, decorating, striping on vehicles, boats, and sporting equipment. Masking for Hard Chrome Plating, Electroplating, Type II and Type III Anodizing, Abrasive Blasting, Wet Painting, Fixture Wrapping, Harness and Pipe Wrapping, Duct and Joint Sealing

CONSTRUCTION

Total Thickness	6.0 mils
Adhesive Type	Synthetic Rubber Resin
Carrier Type	Matte surface, soft PVC
Color	Purple

SPECIFICATIONS

Maximum Temperature (F)	176°F
Tensile Strength (lbs/inch)	16
Elongation (%)	150
Peel Adhesion (oz/inch)	22
Moisture Absorption	Less than 1.5%
Moisture Vapor	Less than 2.5% (gm/100 sq in/24hrs)
Metal Corrosion	None to Copper, Brass, Steel or Aluminum
Government Specifications	Conforms to PPP-T-66E, Type 1, Class 2; A-A-1689A

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
V10-00127	36	1/2 in	0.500	33	12.7	48
V10-00190	36	3/4 in	0.750	33	19.1	32
V10-00254	36	1 in	1.000	33	25.4	24
V10-00381	36	1 1/2 in	1.500	33	38.1	16
V10-00508	36	2 in	2.000	33	50.8	12

Current pricing and additional sizes available at www.epsi.com

176°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

V12 TAPE SERIES - ELECTROPLATING VINYL TAPE



- Maximum Temperature: 176°F
- Total Thickness: 6.5 mils
- Effective vapor and moisture barrier
- Durable and highly resistant to oil, acid, alkaline and corrosive chemicals
- Excellent adhesion to metals and plastics
- Extremely conformable

PRODUCT DESCRIPTION

6.5 mil conformable self-wound soft PVC Vinyl with a rubber adhesive

TYPICAL APPLICATIONS

Used as a masking tape in electroplating operations. Designed for use with PCB terminal zone contacts during plating; as a protection tape for shot peening

Note: DO NOT peel off until temperature cools down to 140°F to 158F (60°C to 70°C)

Our V12 cream vinyl tape is extremely conformable and resistant to aging, sun, water, oils, acids and corrosive chemicals. It has excellent adhesion to metals and plastics, making it the ideal choice in any plating application. The adhesive backing provides excellent solvent and chemical resistance

CONSTRUCTION

Total Thickness	6.5 mils
Adhesive Type	Rubber Based
Carrier Type	Soft PVC (non-rigid vinyl)
Color	Yellow

SPECIFICATIONS

Maximum Temperature (F)	176°
Tensile Strength (lbs/inch)	25
Elongation (%)	200
Peel Adhesion (oz/inch)	30
Moisture Absorption	Less than 1.5%
Moisture Vapor	Less than 2.5% (gm/100 sq in/24hrs)
Government Specifications	Meets Government specifications H-H-T-0025, Amendment 2

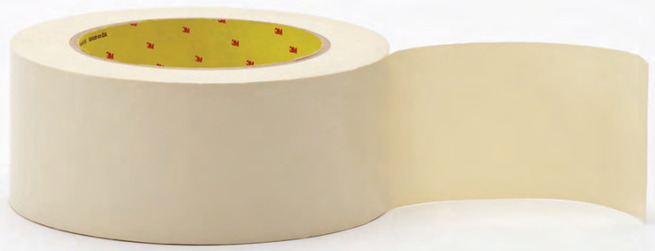
PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
V12-00127	36	1/2 in	0.500	33	12.7	64
V12-00190	36	3/4 in	0.750	33	19.1	40
V12-00254	36	1 in	1.000	33	25.4	32
V12-00381	36	1 1/2 in	1.500	33	38.1	20
V12-00508	36	2 in	2.000	33	50.8	16

176°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

V14 TAPE SERIES - VINYL ELECTROPLATING TAPE

170ºF (75ºC)

3M™ 470 Tape



- Maximum temperature: 170°F
- Excellent resistance to electroplating chemicals
- Abrasive resistant
- Meets federal specification HH-T-0025 (GSA-FSS)

PRODUCT DESCRIPTION

V14 (470) is a 7.1 mil self-wound conformable colored vinyl backing with a rubber adhesive

TYPICAL APPLICATIONS

Masking during many electroplating operations, including both flat strip and overlapping masks. Wrapping, patching, coated racks and masking many irregular surfaces

CONSTRUCTION

Total Thickness	7.1 mils
Adhesive Thickness	0.8 mils
Carrier Thickness	6.3 mils
Adhesive Type	Rubber
Carrier Type	Pigmented vinyl plastic
Color	Tan

SPECIFICATIONS

Temperature Range (°F)	170°
Tensile Strength (lbs/inch)	20
Elongation (%)	180
Peel Adhesion (oz/inch)	26
Government Specifications:	Can be qualified to meet federal Specification HH-T-0025 (GSA-FSS) Ammendment 2

Note: While V14 (470) resists most solvents, avoid ketones, chlorinated hydrocarbons and esters found in thinners, degreasers, paint strippers, etc., which may cause the backing to swell or curl. Prolonged exposure to elevated temperatures and hot caustics may cause weakening of the adhesive bond

AUTHORIZED 3M CONVERTER

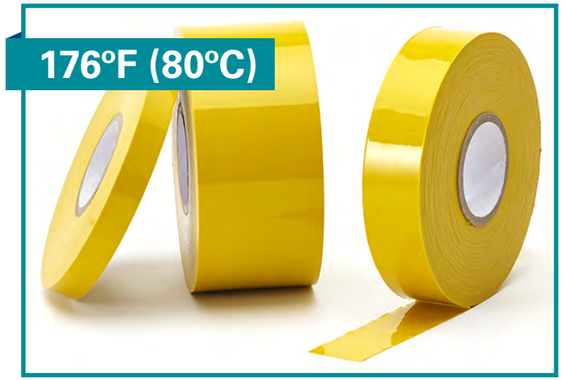
PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
V14-00254	36	1 in	1.000	32.9	25.4	24
V14-00381	36	1 1/2 in	1.500	32.9	38.1	16
V14-00508	36	2 in	2.000	32.9	50.8	12

Current pricing and additional sizes available at www.epsi.com

170°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

V71 TAPE SERIES - NON-ADHESIVE VINYL TAPE

176ºF (80ºC)



- Extremely conformable matrix; clings to corners
- Clings securely to itself without adhesive
- Durable and highly resistant to oil, acid, alkaline and corrosive chemicals
- High elongation and good strength
- Mask 2 to 3 times faster than with adhesive

PRODUCT DESCRIPTION

Our V71 product is a multi-purpose tape, with excellent chemical resistance and insulation properties. It is the premier choice for plating, Type II and Type III anodizing applications. Overlapping while stretching the film allows for a liquid tight seal around racks and other parts. It can also be used to replace plastisol dipping for racks. The lack of an adhesive makes V71 extremely easy and economical to apply

SPECIFICATIONS

Maximum Temperature (F)	176°
Tensile Strength (lbs/inch)	11.5
Elongation (%)	250
Dielectric Strength (vpm)	1200

CONSTRUCTION

Total Thickness	4.0 mils
Carrier Type	Polyvinyl Chloride Film
Color	Yellow

PART NUMBER	Length (ft)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
V71-00190	250	3/4 in	0.750	76	19.0	48
V71-00254	250	1 in	1.000	76	25.4	32
V71-00381	250	1 1/2 in	1.500	76	38.1	24
V71-00508	250	2 in	2.000	76	50.8	16
V71-00762	250	3 in	3.000	76	76.2	12

Current pricing and additional sizes available at www.epsi.com

176°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

HOOKS

DIAMOND HOOKS	HKD	115
C-HOOKS	HC	116
CV-HOOKS	HCV	118
CLAW HOOKS	CLAW	120
SWIVEL HOOKS	SWIVEL	120
SPRING TUBE HOOKS	HKRO	121
S-HOOKS	HS	122
V-HOOKS	HV	124
90 DEGREE BEND V-HOOKS	HV90	126
V-STYLE LOCKING HOOKS	HKVL	128



We at EPSI understand that hanging and racking is a vital component of your production line. With our multitude of hook styles and diameters, we can help you maximize your line density to increase your production quantity and quality. We provide quality hard drawn steel for our smaller diameter hooks while the larger diameter hooks are made of cold rolled steel. All of our hooks are durable and created to withstand repeated stripping. Whatever your hanging needs, we have a solution for you.

EPSI makes masking easy!

CUSTOMS

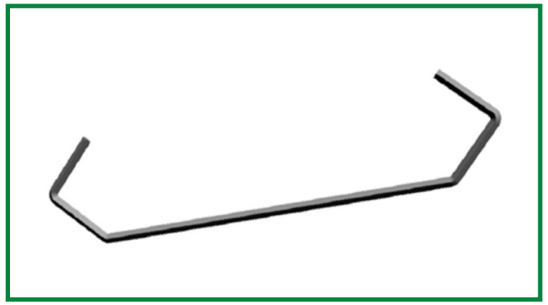
The EPSI Guarantee means that we provide you with the best solutions for your masking needs. Sometimes that solution is one of our guaranteed products, but other times you need a custom solution. Our in-house engineering teams has decades of experience in working with customers to produce a solution fit to your precise needs. We continue to lead the industry in creating efficient, custom solutions for diverse applications.

We are the masking experts and we have calculated the point where customers will realize savings using a custom mold or custom tape mask verses masking with standard products.

Your EPSI sales representative can help you estimate your savings and determine whether a custom product is the right solution for you.

That's the EPSI guarantee!

HKD SERIES - DIAMOND HOOKS



HELPFUL HINTS

- Sharp edge provides better current flow
- Smaller contact patch minimizes rework due to touch-ups
- Almost double the load of V-style and C-style hooks

Explanation of Hook Product Numbers:

(ie; HKD 010016)

HKD — Style Designation

0100 — Length (mm)

016 — Wire Diameter (mm)

HOOK LOADING COMPARISON (2X SAFETY FACTOR)

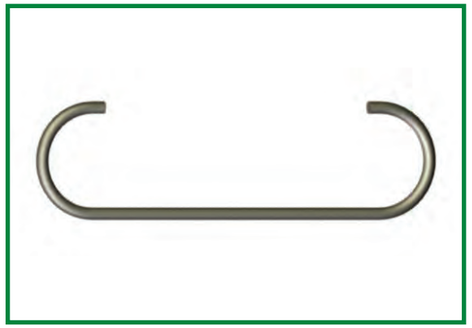
Round Wire			
0.059"	1.499 mm	HD SPRING WIRE	9 LBS
0.118"	2.997 mm	HD SPRING WIRE	60 LBS
0.177"	4.496 mm	HD SPRING WIRE	180 LBS

***HD**=Hard Drawn*

UNITS: INCHES	"A" WIRE (FLAT TO FLAT)	"B" LENGTH (in)	"C" LEG LENGTHS (in)	LOAD (LBS)	QTY/BOX
HKD 010016	0.060	4.0	0.64	9.0	2000
HKD 010027	0.120	4.0	0.72	60	2000
HKD 017516	0.060	7.0	0.64	9.0	2000
HKD 017527	0.120	7.0	0.72	60	1500
HKD 022530	0.120	9.0	0.73	60	1000
HKD 022546	0.180	9.0	0.81	180	500
HKD 030030	0.120	12.0	0.73	60	500
HKD 030046	0.180	12.0	0.81	180	250
HKD 037530	0.120	15.0	0.73	60	500
HKD 037546	0.180	15.0	0.81	180	250
HKD 045030	0.120	18.0	0.73	60	500
HKD 045046	0.180	18.0	0.81	180	250
HKD 052530	0.120	21.0	0.73	60	500
HKD 052546	0.180	21.0	0.81	180	250
HKD 060030	0.120	24.0	0.73	60	500
HKD 060046	0.180	24.0	0.81	180	250

Current pricing and additional sizes available at www.epsi.com

HC SERIES - C-HOOKS



HELPFUL HINTS

- Can be used in combination to daisy chain multiple items together
- Ideal for wider parts or multiple styles of parts with varying thicknesses

Explanation of Hook Product Numbers:

(ie; HC 15045-38)

HC	150	45	38
Style Designation	Hook Length (150mm)	Wire Diameter (4.5 mm)	Hook End Diameter (38 mm)

HOOK LOADING COMPARISON (2X SAFETY FACTOR)			
Round Wire			
0.062"	1.575 mm	DIAMETER HD SPRING WIRE	4 LBS
0.076"	1.930 mm	DIAMETER HD SPRING WIRE	7 LBS
0.120"	3.048 mm	DIAMETER HD SPRING WIRE	25 LBS
0.180"	4.572 mm	DIAMETER HD SPRING WIRE	75 LBS
0.250"	6.350 mm	DIAMETER CRS 1008 WIRE	60 LBS

NOTE: The recommended safe load limits were compiled under static load conditions in a laboratory fully accredited by the American Association for Laboratory Accreditation, conforming to ISO Guide 25. Although all load limits incorporate a safety factor, many factors will affect the actual dynamic load capacity of a hook. Such factors include sudden change in line speed, vibration in the conveyor, or in the case of suspension from two hooks, a shift in the center of gravity caused by an incline or stretching along curves in the conveyor. This product should be tested to determine the suitability for its intended use.

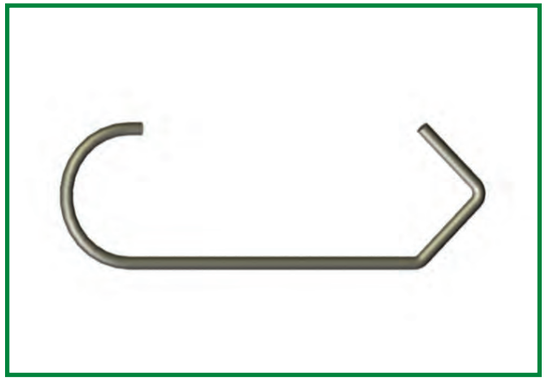
* Please call your EPSI representative for further details.

HC SERIES (CONTINUED)

PART NUMBER	Diameter (in)	Length .(in)	Diameter (mm)	Length (mm)	Wire Diameter (in)	Wire Diameter (mm)	Box Qty
HC 07515-32	0.06	3.0	1.5	75	1.25	32	2500
HC 07520-32	0.08	3.0	2.0	75	1.25	32	2500
HC 10015-32	0.06	4.0	1.5	100	1.25	32	2500
HC 10020-32	0.08	4.0	2.0	100	1.25	32	2500
HC 10030-32	0.12	4.0	3.0	100	1.25	32	1000
HC 15015-38	0.06	6.0	1.5	150	1.5	38	2500
HC 15020-38	0.08	6.0	2.0	150	1.5	38	2500
HC 15030-38	0.12	6.0	3.0	150	1.5	38	1000
HC 15045-38	0.18	6.0	4.5	150	1.5	38	500
HC 15060-38	0.25	6.0	6.0	150	1.5	38	250
HC 20020-38	0.08	8.0	2.0	200	1.5	38	2500
HC 20030-38	0.12	8.0	3.0	200	1.5	38	1000
HC 20045-38	0.18	8.0	4.5	200	1.5	38	500
HC 25020-38	0.08	10.0	2.0	250	1.5	38	2500
HC 25030-38	0.12	10.0	3.0	250	1.5	38	1000
HC 30020-38	0.08	12.0	2.0	300	1.5	38	1000
HC 30030-38	0.12	12.0	3.0	300	1.5	38	500
HC 30045-38	0.18	12.0	4.5	300	1.5	38	250
HC 30060-38	0.25	12.0	6.0	300	1.5	38	250
HC 37520-38	0.08	15.0	2.0	375	1.5	38	1000
HC 45030-38	0.12	18.0	3.0	450	1.5	38	500
HC 45045-38	0.18	18.0	4.5	450	1.5	38	250
HC 45060-38	0.25	18.0	6.0	450	1.5	38	125

Current pricing and additional sizes available at www.epsi.com

HCV SERIES - CV-HOOKS



HELPFUL HINTS

- Hybrid hook configuration
- Combines the features of a V-hook with the ease of use of a C-hook
- Can be used on both traditional and round stock conveyor systems
- Offer the greatest load capacity with the smallest amount of hook marking

Explanation of Hook Product Numbers:

(ie; HCV 15045-32)

HCV	150	45	32
Style Designation	Hook Length (150mm)	Wire Diameter (4.5 mm)	Hook End Diameter (32 mm)

HOOK LOADING COMPARISON (2X SAFETY FACTOR)			
Round Wire			
0.062"	1.575 mm	DIAMETER HD SPRING WIRE	4 LBS
0.076"	1.930 mm	DIAMETER HD SPRING WIRE	7 LBS
0.120"	3.048 mm	DIAMETER HD SPRING WIRE	25 LBS
0.180"	4.572 mm	DIAMETER HD SPRING WIRE	75 LBS
0.250"	6.350 mm	DIAMETER CRS 1008 WIRE	60 LBS

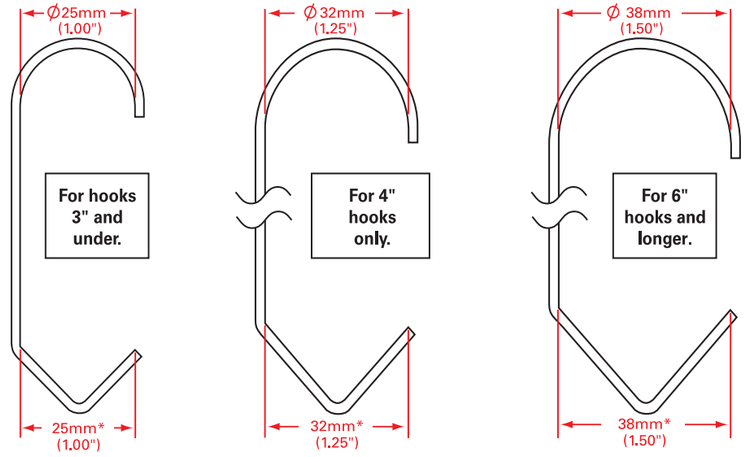
***HD**=Hard Drawn **CRS**=Cold Rolled Steel*

NOTE: The recommended safe load limits were compiled under static load conditions in a laboratory fully accredited by the American Association for Laboratory Accreditation, conforming to ISO Guide 25. Although all load limits incorporate a safety factor, many factors will affect the actual dynamic load capacity of a hook. Such factors include sudden change in line speed, vibration in the conveyor, or in the case of suspension from two hooks, a shift in the center of gravity caused by an incline or stretching along curves in the conveyor. This product should be tested to determine the suitability for its intended use.

* Please call your EPSI representative for further details.

HCV SERIES

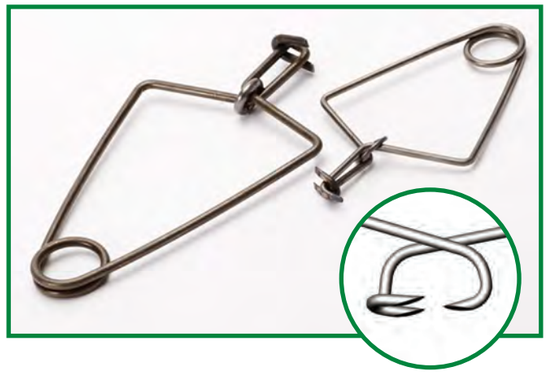
PART NUMBER	Diameter (in)	Length (in)	Diameter (mm)	Length (mm)	Wire Diameter (in)	Wire Diameter (mm)	Box Qty
HCV 07515-25	0.06	3.0	1.5	75	1.0	25	2500
HCV 07520-25	0.08	3.0	2.0	75	1.0	25	2500
HCV 10015-32	0.06	4.0	1.5	100	1.25	32	2500
HCV 10020-32	0.08	4.0	2.0	100	1.25	32	2500
HCV 10030-32	0.12	4.0	3.0	100	1.25	32	1000
HCV 15015-38	0.06	6.0	1.5	150	1.5	38	2500
HCV 15020-38	0.08	6.0	2.0	150	1.5	38	2500
HCV 15030-38	0.12	6.0	3.0	150	1.5	38	1000
HCV 15045-38	0.18	6.0	4.5	150	1.5	38	500
HCV 20020-38	0.08	8.0	2.0	200	1.5	38	2500
HCV 20030-38	0.12	8.0	3.0	200	1.5	38	1000
HCV 20045-38	0.18	8.0	4.5	200	1.5	38	500
HCV 25020-38	0.08	10.0	2.0	250	1.5	38	2500
HCV 25030-38	0.12	10.0	3.0	250	1.5	38	1000
HCV 25045-38	0.18	10.0	4.5	250	1.5	38	250
HCV 30030-38	0.12	12.0	3.0	300	1.5	38	500
HCV 30045-38	0.18	12.0	4.5	300	1.5	38	250
HCV 30060-38	0.25	12.0	6.0	300	1.5	38	250
HCV 37530-38	0.12	15.0	3.0	375	1.5	38	500
HCV 45030-38	0.12	18.0	3.0	450	1.5	38	500
HCV 45045-38	0.18	18.0	4.5	450	1.5	38	250
HCV 60045-38	0.18	24.0	4.5	600	1.5	38	100



*** V-Hook end dimension is always consistent with diameter of C-Hook end.**

Current pricing and additional sizes available at www.epsi.com

CLAW SERIES - CLAW HOOKS



HELPFUL HINTS

- Designed to handle the most unusual of hanging situations
- Their unique clamping action and strong contact points allow even the most unconventional of items to be hung
- Available in three different strengths:
  - — Claw 200
    Light Duty to 5 lbs
  - — Claw 300
    Medium Duty to 10 lbs
  - — Claw 400
    Heavy Duty to 40 lbs



PART NUMBER	Length (in)	Wire Diameter (in)	Length (mm)	Wire Diameter (mm)	Prongs	Box Qty
CLAW 200	2.4	0.08	60	2.0	3	50
CLAW 300	4.8	0.12	120	3.0	3	50
CLAW 400	6.5	0.16	165	4.0	3	50

SWIVEL SERIES - SWIVEL HOOKS



[R] SERIES



[V] SERIES



HELPFUL HINTS

- Cold rolled steel construction
- Holds up to 250 lbs
- Ball bearings ensure smooth rotation even under loading
- Feature a V-shaped (Swivel-V) or a radial (Swivel R) hanging point

PART NUMBER	Load Capacity (lbs)	Load Capacity (kg)	Rotation	Box Qty
SWIVEL (R)	250	110	Infinite	2
SWIVEL (V)	250	110	Infinite	2

Current pricing and additional sizes available at www.epsi.com

HKRO SERIES - SPRING TUBE HOOKS



HELPFUL HINTS

- Easy to Apply
- Allows for hook marks to be hidden inside of holes and other non-cosmetic features
- Flexible enough to fit a variety of otherwise difficult applications
- Available in three different strengths

CAUSTION! Please exercise caution when removing Spring Tube Hooks as they will expand quickly and with great force



PART NUMBER	Length (in)	Wire Diameter (in)	Length (mm)	Wire Diameter (mm)	Box Qty
HKRO 100	1.77	0.04	45	1.0	250
HKRO 200	4.13	0.08	105	2.0	250
HKRO 300	4.25	0.12	108	3.0	250

HKSC SERIES - SHEET & PIPE SUSPENDER HOOKS



HELPFUL HINTS

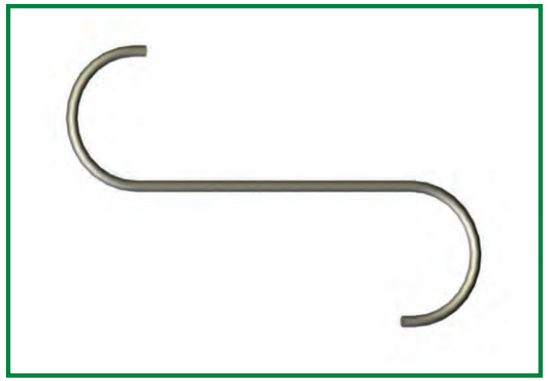
- Made of cold rolled steel
- Reusable
- Suitable for products that lack holes for suspension
- Accepts sheet metal up to 4.0 mm (.160") thick
- Has holes for use with standard hooks for easy hanging



PART NUMBER	Standard Thickness (in)	Metric Thickness (mm)	Box Qty
HKSC 002040	0.08	2.0	50

Current pricing and additional sizes available at www.epsi.com

HS SERIES - S-HOOKS



HELPFUL HINTS

- Can be used in combination to daisy chain multiple items together
- Ideal for wider parts or multiple styles of parts with varying thicknesses

Explanation of Hook Product Numbers:

(ie; HS 15045-38)

HS	150	45	38
Style Designation	Hook Length (150mm)	Wire Diameter (4.5 mm)	Hook End Diameter (38 mm)

HOOK LOADING COMPARISON (2X SAFETY FACTOR)			
		Round Wire	
0.062"	1.575 mm	DIAMETER HD SPRING WIRE	4 LBS
0.076"	1.930 mm	DIAMETER HD SPRING WIRE	7 LBS
0.120"	3.048 mm	DIAMETER HD SPRING WIRE	25 LBS
0.180"	4.572 mm	DIAMETER HD SPRING WIRE	75 LBS
0.250"	6.350 mm	DIAMETER CRS 1008 WIRE	60 LBS

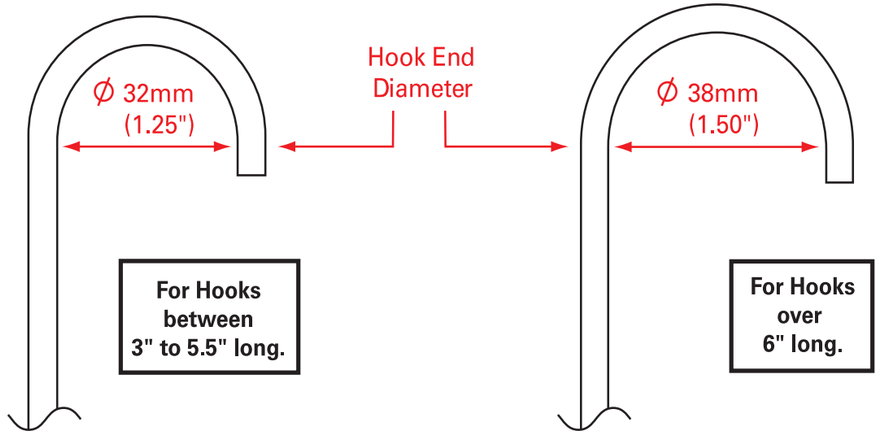
***HD**=Hard Drawn **CRS**=Cold Rolled Steel*

NOTE: The recommended safe load limits were compiled under static load conditions in a laboratory fully accredited by the American Association for Laboratory Accreditation, conforming to ISO Guide 25. Although all load limits incorporate a safety factor, many factors will affect the actual dynamic load capacity of a hook. Such factors include sudden change in line speed, vibration in the conveyor, or in the case of suspension from two hooks, a shift in the center of gravity caused by an incline or stretching along curves in the conveyor. This product should be tested to determine the suitability for its intended use.

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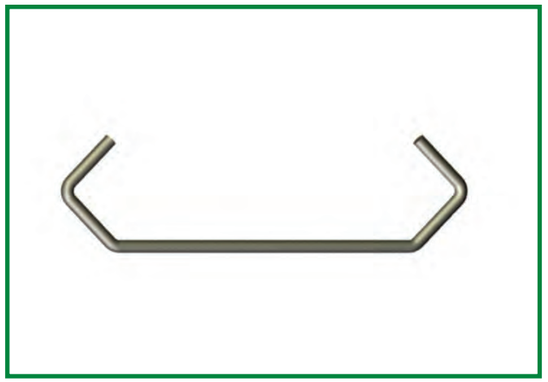
HS SERIES

PART NUMBER	Wire Diameter (in)	Wire Length (in)	Wire Diameter (mm)	Wire Length (mm)	Hook End Diameter (in)	Hook End Diameter (mm)	Box Qty
HS 07515-32	0.06	3.0	1.5	75	1.25	32	2500
HS 10015-32	0.06	4.0	1.5	100	1.25	32	2500
HS 10020-32	0.08	4.0	2.0	100	1.25	32	2500
HS 10030-32	0.12	4.0	3.0	100	1.25	32	1000
HS 15015-38	0.06	6.0	1.5	150	1.5	38	2500
HS 15020-38	0.08	6.0	2.0	150	1.5	38	2500
HS 15030-38	0.12	6.0	3.0	150	1.5	38	1000
HS 15045-38	0.18	6.0	4.5	150	1.5	38	500
HS 15060-38	0.25	6.0	6.0	150	1.5	38	250
HS 20020-38	0.08	8.0	2.0	200	1.5	38	2500
HS 20030-38	0.12	8.0	3.0	200	1.5	38	1000
HS 20045-38	0.18	8.0	4.5	200	1.5	38	500
HS 20060-38	0.25	8.0	6.0	200	1.5	38	500
HS 25020-38	0.08	10.0	2.0	250	1.5	38	2500
HS 25030-38	0.12	10.0	3.0	250	1.5	38	1000
HS 25060-38	0.25	10.0	6.0	250	1.5	38	250
HS 30020-38	0.08	12.0	2.0	300	1.5	38	1000
HS 30030-38	0.12	12.0	3.0	300	1.5	38	500
HS 30045-38	0.18	12.0	4.5	300	1.5	38	250
HS 30060-38	0.25	12.0	6.0	300	1.5	38	250
HS 45045-38	0.18	18.0	4.5	450	1.5	38	250
HS 45060-38	0.25	18.0	6.0	450	1.5	38	125



Current pricing and additional sizes available at www.epsi.com

HV SERIES - V-HOOKS



Explanation of Hook Product Numbers:

(ie; HV 60060-2525)

HV	600	60	2525
Style Designation	Length (mm)	Wire Diameter (mm)	Leg Length (mm)

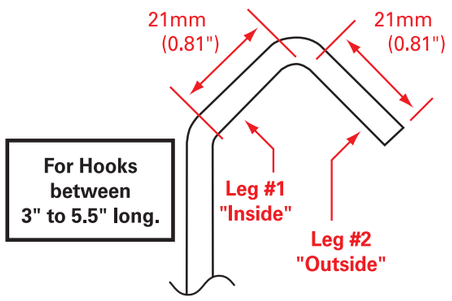
HELPFUL HINTS

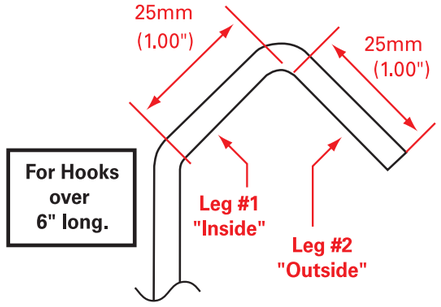
- V-hook geometry allows for extreme stability while loaded (compare to other hook geometries)
- Provides superior grounding due to multiple grounding contact points

HOOK LOADING COMPARISON (2X SAFETY FACTOR)

Round Wire			
0.062"	1.575 mm	DIAMETER HD SPRING WIRE	4 LBS
0.076"	1.930 mm	DIAMETER HD SPRING WIRE	7 LBS
0.120"	3.048 mm	DIAMETER HD SPRING WIRE	25 LBS
0.180"	4.572 mm	DIAMETER HD SPRING WIRE	75 LBS
0.250"	6.350 mm	DIAMETER CRS 1008 WIRE	60 LBS

***HD**=Hard Drawn **CRS**=Cold Rolled Steel*





NOTE: The recommended safe load limits were compiled under static load conditions in a laboratory fully accredited by the American Association for Laboratory Accreditation, conforming to ISO Guide 25. Although all load limits incorporate a safety factor, many factors will affect the actual dynamic load capacity of a hook. Such factors include sudden change in line speed, vibration in the conveyor, or in the case of suspension from two hooks, a shift in the center of gravity caused by an incline or stretching along curves in the conveyor. This product should be tested to determine the suitability for its intended use.

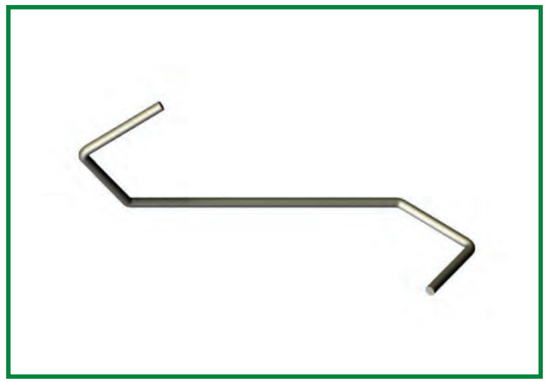
* Please call your EPSI representative for further details.

HV SERIES

PART NUMBER	Leg 1 (in)	Leg 2 (in)	Length (in)	Wire Diameter (in)	Leg 1 (mm)	Leg 2 (mm)	Length (mm)	Wire Diameter (mm)	Box Qty
HV 07515-2121	0.81	0.81	3.0	0.06	21	21	75	1.5	2500
HV 07520-2121	0.81	0.81	3.0	0.08	21	21	75	2.0	2500
HV 10015-2121	0.81	0.81	4.0	0.06	21	21	100	1.5	2500
HV 10020-2121	0.81	0.81	4.0	0.08	21	21	100	2.0	2500
HV 10030-2121	0.81	0.81	4.0	0.12	21	21	100	3.0	1000
HV 10045-2121	0.81	0.81	4.0	0.18	21	21	100	4.5	500
HV 15015-2525	1.0	1.0	6.0	0.06	21	25	150	1.5	2500
HV 15020-2525	1.0	1.0	6.0	0.08	21	25	150	2.0	2500
HV 15030-2525	1.0	1.0	6.0	0.12	25	25	150	3.0	1000
HV 15045-2525	1.0	1.0	6.0	0.18	25	25	150	4.5	500
HV 15060-2525	1.0	1.0	6.0	0.25	25	25	150	6.0	250
HV 20020-2525	1.0	1.0	8.0	0.08	25	25	200	2.0	2500
HV 20030-2525	1.0	1.0	8.0	0.12	25	25	200	3.0	1000
HV 20045-2525	1.0	1.0	8.0	0.18	25	25	200	4.5	500
HV 20060-2525	1.0	1.0	8.0	0.25	25	25	200	6.0	500
HV 25020-2525	1.0	1.0	10.0	0.08	25	25	250	2.0	2500
HV 25030-2525	1.0	1.0	10.0	0.12	25	25	250	3.0	1000
HV 30020-2525	1.0	1.0	12.0	0.08	25	25	30	2.0	1000
HV 30030-2525	1.0	1.0	12.0	0.12	25	25	300	3.0	500
HV 30045-2525	1.0	1.0	12.0	0.18	25	25	300	4.5	250
HV 30060-2525	1.0	1.0	12.0	0.25	25	25	300	6.0	250
HV 37520-2525	1.0	1.0	15.0	0.08	25	25	375	2.0	1000
HV 37560-2525	1.0	1.0	15.0	0.25	25	25	375	6.0	250
HV 45020-2525	1.0	1.0	18.0	0.08	25	25	450	2.0	1000
HV 45030-2525	1.0	1.0	18.0	0.12	25	25	450	3.0	500
HV 45045-2525	1.0	1.0	18.0	0.18	25	25	450	4.5	250
HV 45060-2525	1.0	1.0	18.0	0.25	25	25	450	6.0	250
HV 60020-2525	1.0	1.0	24.0	0.08	25	25	600	2.0	1000
HV 60030-2525	1.0	1.0	24.0	0.12	25	25	600	3.0	500
HV 60045-2525	1.0	1.0	24.0	0.18	25	25	600	4.5	100
HV 60060-2525	1.0	1.0	24.0	0.25	25	25	600	6.0	100

Current pricing and additional sizes available at www.epsi.com

HV90 SERIES - 90° BEND V-HOOKS



HELPFUL HINTS

- V-hook geometry allows for extreme stability while loaded (compare to other hook geometries)
- 90° bend allows for specific hanging orientation

Explanation of Hook Product Numbers:

(ie; HV90 15045-2525)

HV90	150	45	-	25	25
90° Style Designation	Hook Length (150mm)	Wire Diameter (4.5 mm)		Leg #1 (22 mm)	Leg #2 (22 mm)

HOOK LOADING COMPARISON (2X SAFETY FACTOR)

Round Wire			
0.062"	1.575 mm	DIAMETER HD SPRING WIRE	4 LBS
0.076"	1.930 mm	DIAMETER HD SPRING WIRE	7 LBS
0.120"	3.048 mm	DIAMETER HD SPRING WIRE	25 LBS
0.180"	4.572 mm	DIAMETER HD SPRING WIRE	75 LBS
0.250"	6.350 mm	DIAMETER CRS 1008 WIRE	60 LBS

***HD**=Hard Drawn **CRS**=Cold Rolled Steel*

NOTE: The recommended safe load limits were compiled under static load conditions in a laboratory fully accredited by the American Association for Laboratory Accreditation, conforming to ISO Guide 25. Although all load limits incorporate a safety factor, many factors will affect the actual dynamic load capacity of a hook. Such factors include sudden change in line speed, vibration in the conveyor, or in the case of suspension from two hooks, a shift in the center of gravity caused by an incline or stretching along curves in the conveyor. This product should be tested to determine the suitability for its intended use.

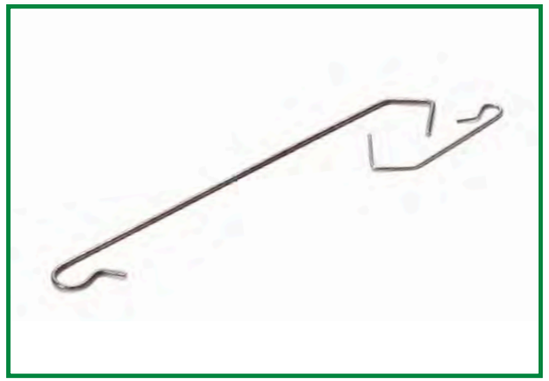
* Please call your EPSI representative for further details.

HV90 SERIES

PART NUMBER	Leg 1 (in)	Leg 2 (in)	Length (in)	Wire Diameter (in)	Leg 1 (mm)	Leg 2 (mm)	Length (mm)	Wire Diameter (mm)	Box Qty
HV90 07515-2121	0.81	0.81	3.0	0.06	21	21	75	1.5	2500
HV90 07520-2121	0.81	0.81	3.0	0.08	21	21	75	2.0	2500
HV90 10015-2121	0.81	0.81	4.0	0.06	21	21	100	1.5	2500
HV90 10020-2121	0.81	0.81	4.0	0.08	21	21	100	2.0	2500
HV90 10030-2121	1.0	1.0	4.0	0.12	25	25	100	3.0	1000
HV90 15015-2525	1.0	1.0	6.0	0.06	25	25	150	1.5	2500
HV90 15020-2525	1.0	1.0	6.0	0.08	25	25	150	2.0	2500
HV90 15030-2525	1.0	1.0	6.0	0.12	25	25	150	3.0	1000
HV90 15045-2525	1.0	1.0	6.0	0.18	25	25	150	4.5	500
HV90 15060-2525	1.0	1.0	6.0	0.25	25	25	150	6.0	500
HV90 20020-2525	1.0	1.0	8.0	0.08	25	25	200	2.0	2500
HV90 20030-2525	1.0	1.0	8.0	0.12	25	25	200	3.0	1000
HV90 20060-2525	1.0	1.0	8.0	0.25	25	25	200	6.0	500
HV90 25030-2525	1.0	1.0	10.0	0.12	25	25	250	3.0	1000
HV90 30030-2525	1.0	1.0	12.0	0.12	25	25	300	3.0	500
HV90 30045-2525	1.0	1.0	12.0	0.18	25	25	300	4.5	250
HV90 30060-2525	1.0	1.0	12.0	0.25	25	25	300	6.0	250
HV90 37520-2525	1.0	1.0	15.0	0.08	25	25	375	2.0	1000
HV90 45020-2525	1.0	1.0	18.0	0.08	25	25	450	2.0	1000
HV90 45045-2525	1.0	1.0	18.0	0.18	25	25	600	2.0	1000
HV90 60020-2525	1.0	1.0	24.0	0.08	25	25	450	4.5	250
HV90 60030-2525	1.0	1.0	24.0	0.12	25	25	600	3.0	250
HV90 75030-2525	1.0	1.0	30.0	0.12	25	25	750	3.0	250

Current pricing and additional sizes available at www.epsi.com

HKVL SERIES - V-STYLE LOCKING HOOKS



HELPFUL HINTS

- Designed to fit around contact points of most suspension systems and rods
- Locking eyelet design ensures that hook will not fall off of beams

Explanation of Hook Product Numbers:

(ie; HKVL 375080-6)

HKVL	375	080	6
Style Designation	Length (in)	Wire Diameter (in)	Leg Length (in)

HOOK LOADING COMPARISON (2X SAFETY FACTOR)

Round Wire			
0.062"	1.575 mm	DIAMETER HD SPRING WIRE	4 LBS
0.076"	1.930 mm	DIAMETER HD SPRING WIRE	7 LBS
0.120"	3.048 mm	DIAMETER HD SPRING WIRE	25 LBS
0.180"	4.572 mm	DIAMETER HD SPRING WIRE	75 LBS
0.250"	6.350 mm	DIAMETER CRS 1008 WIRE	60 LBS

***HD**=Hard Drawn **CRS**=Cold Rolled Steel*

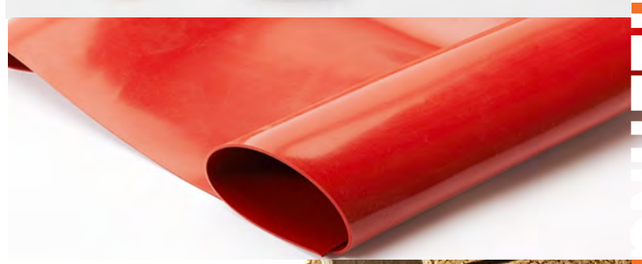
PART NUMBER	Length (in)	Wire Diameter (in)	Wire Diameter (mm)	Length (mm)	Rod Diameter (in)	Box Qty
HKVL 188060-2	2.0	0.06	1.5	50	3/16	2500
HKVL 188060-4	4.0	0.06	1.5	100	3/16	2500
HKVL 250060-2	2.0	0.06	1.5	50	1/4	2500
HKVL 250060-4	4.0	0.06	1.5	100	1/4	2500
HKVL 250060-6	6.0	0.06	1.5	150	1/4	2500
HKVL 375044-4	4.0	0.04	1.0	100	3/8	2500
HKVL 375060-4	4.0	0.06	1.5	100	3/8	2500
HKVL 375080-2	2.0	0.08	2.0	50	3/8	2500
HKVL 375080-4	4.0	0.08	2.0	100	3/8	2500
HKVL 375080-6	6.0	0.08	2.0	150	3/8	2500

Current pricing and additional sizes available at www.epsi.com

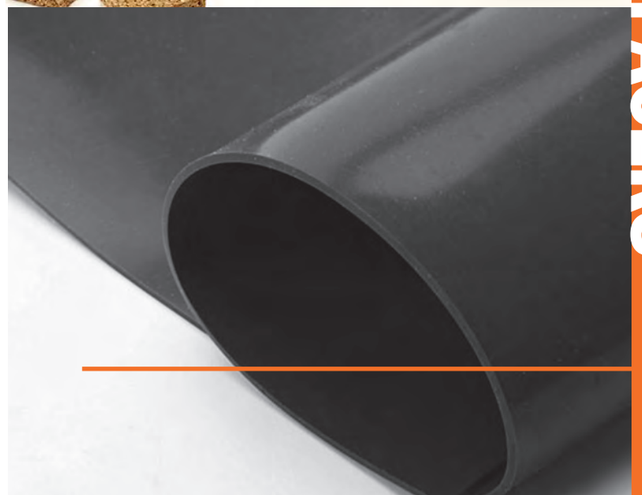
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TUBING, CORD, SHEETING & CORK SPACERS

TUBING		
SILICONE TUBING	ST	130
FLEXIBLE STAR TUBING	FSTS	132
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FOAM SILICONE SHEETING	SHFS	135
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CORK SPACERS		
CORK SPACER PADS	CRSP	137

ST SERIES - SILICONE TUBING



- Fits over threaded studs, dowels, pins and tubing
- Conforms to irregular geometries
- Cuts easily to length
- Sizes range from 0.040" ID to 2.000" ID

PRODUCT DESCRIPTION

Our Silicone Tubing (ST) product line is ideal for masking off irregular geometries, long protrusions or as a substitute for short runs. The versatile nature of the tubing allows it to fit over extrusions, threaded studs, PEMS and dowels, or as a plug for tapped holes, irregular contours and threaded holes. Our high temperature silicone is specially formulated to ensure reusability and economy during masking

TYPICAL APPLICATIONS

Used as a sleeve over threaded studs, dowels, and protrusions. Used as a flexible mask for round channels and cut outs

HELPFUL HINTS

- When sizing parts as a sleeve, the ID of the ST Tubing should be approximately equal to the stud diameter
- To ensure easy removal, cut the tube length at least 1/2" longer than masking length of the stud. This is especially important if the tube ID is smaller than the stud diameter by more than 2%
- When sizing parts as a plug, the OD should be 3 - 7% larger than the hole diameter
- Due to the low tear resistance of silicone, do not use pliers or other sharp tools for removal
- Can be used in conjunction with a standard cap to create a long, non-hollow cap



ST SERIES (CONTINUED)

PART NUMBER	ID (in)	OD (in)	WT (in)	ID (mm)	OD (mm)	WT (mm)	Roll Length (ft)
ST 0109	0.109	0.234	0.063	2.8	5.9	1.6	100
ST 0125	0.125	0.250	0.063	3.2	6.4	1.6	100
ST 0140	0.140	0.265	0.063	3.6	6.7	1.6	100
ST 0156	0.156	0.281	0.063	4.0	7.1	1.6	100
ST 0187	0.187	0.312	0.063	4.7	7.9	1.6	100
ST 0203	0.203	0.328	0.063	5.2	8.3	1.6	100
ST 0218	0.218	0.343	0.063	5.5	8.7	1.6	100
ST 0234	0.234	0.359	0.063	5.9	9.1	1.6	100
ST 0250	0.250	0.375	0.063	6.4	9.5	1.6	100
ST 0281	0.281	0.406	0.063	7.1	10.3	1.6	50
ST 0312	0.312	0.437	0.063	7.9	11.1	1.6	50
ST 0343	0.343	0.468	0.063	8.7	11.9	1.6	50
ST 0375	0.375	0.500	0.063	9.5	12.7	1.6	50
ST 0406	0.406	0.531	0.063	10.3	13.5	1.6	50
ST 0437	0.437	0.562	0.063	11.1	14.3	1.6	50
ST 0500	0.500	0.625	0.063	12.7	15.9	1.6	50
ST 0625	0.625	0.750	0.063	15.9	19.1	1.6	50
ST 0750	0.750	0.875	0.063	19.1	22.2	1.6	50
ST 0875	0.875	1.000	0.063	22.2	25.4	1.6	50
ST 1000	1.000	1.125	0.063	25.4	28.6	1.6	50
ST 1125	1.125	1.250	0.063	28.6	31.8	1.6	25
ST 1250	1.250	1.375	0.063	31.8	34.9	1.6	25
ST 1375	1.375	1.500	0.063	34.9	38.1	1.6	25
ST 1500	1.500	1.625	0.063	38.1	41.3	1.6	25
ST 1625	1.625	1.750	0.063	41.3	44.5	1.6	25
ST 1750	1.750	1.875	0.063	44.5	47.6	1.6	25
ST 1875	1.875	2.000	0.063	47.6	50.8	1.6	25
ST 2000	2.000	2.125	0.063	50.8	54.0	1.6	25

Current pricing and additional sizes available at www.epsi.com

FSTS SERIES - FLEXIBLE STAR TUBING



- Fits over threaded studs, dowels, pins and tube stock
- Each size fits multiple diameters
- Low friction for easy placement and removal
- Flexible enough to conform to irregular geometries
- Cuts easily to length
- Sizes range from 0.200" ID to 2.000" ID
- Color coded for easy identification

PRODUCT DESCRIPTION

Our Flexible Star Tubing (FSTS) product line is ideal for masking off irregular geometries, long protrusions or as a fill-in for small runs of parts. Our high temperature silicone is specially formulated to ensure reusability and economy during masking

HELPFUL HINTS

- When sizing product as a sleeve, the Major ID of the FSTS tubing should be approximately equal to the stud or tube diameter you are sliding it over

FSTS SERIES

PART NUMBER	COLOR	MNR (in)	MJD (in)	Application Range (in)	MNR (mm)	MJD (mm)	Application Range (mm)	Roll Length (ft)
FSTS 0200-W	WHITE	0.200	0.250	0.200 - 0.250	5.1	6.4	5.1 - 6.4	100
FSTS 0300-F	RUSTY	0.300	0.375	0.300 - 0.375	7.6	9.5	7.6 - 9.5	100
FSTS 0400-L	YELLOW	0.400	0.500	0.400 - 0.500	10.2	12.7	10.2 - 12.7	100
FSTS 0500-P	PURPLE	0.500	0.625	0.500 - 0.625	12.7	15.9	12.7 - 15.9	100
FSTS 0625-F	RUSTY	0.625	0.750	0.625 - 0.750	15.9	19.1	15.9 - 19.1	50
FSTS 0725-U	BLUE	0.725	0.875	0.725 - 0.875	18.4	22.2	18.4 - 22.2	50
FSTS 0850-W	WHITE	0.850	1.000	0.850 - 1.000	21.6	25.4	21.6 - 25.4	50
FSTS 1000-C	CLEAR	1.000	1.250	1.000 - 1.250	25.4	31.8	25.4 - 31.8	25
FSTS 1250-P	PURPLE	1.250	1.500	1.250 - 1.500	31.8	38.1	31.8 - 38.1	25
FSTS 1500-F	RUSTY	1.500	1.750	1.500 - 1.750	38.1	44.5	38.1 - 44.5	25
FSTS 1750-O	ORANGE	1.750	2.000	1.750 - 2.000	44.5	50.8	44.5 - 50.8	25

Current pricing and additional sizes available at www.epsi.com

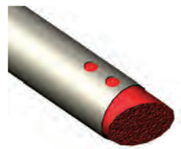
CRDF SERIES - SILICONE FOAM CORD



- Compresses to seal off slots and through holes
- Conforms to irregular shaped openings
- Cuts easily to length
- Color coded for easy identification

PRODUCT DESCRIPTION

Our Solid Silicone Foam Cord (CRDF) product line is a great solution when looking for a compressible part to fit into a threaded or non-threaded opening. The solid silicone foam cord is so flexible that it can often be used to plug irregularly shaped openings. CRDF Cord is a closed-cell foam structure and will not absorb liquid



TYPICAL APPLICATIONS

Used to create a liquid tight seal in threaded and non-threaded slots, grooves, and through holes

HELPFUL HINTS

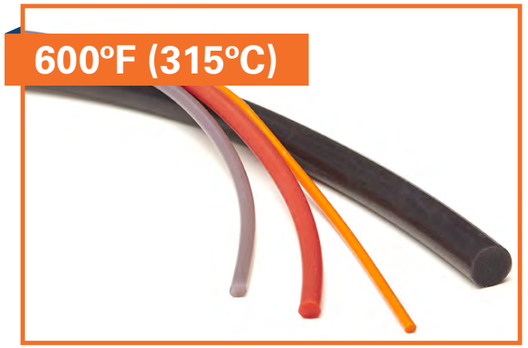
- Elongate the cord during application to make insertion easy. Cord will return back to original shape when released and create a liquid tight seal
- To ensure a liquid tight seal, pick a product whose outer diameter (OD) dimension is 3 - 7% larger than the hole or groove that is being masked

CRDS SERIES

PART NUMBER	COLOR	Diameter (in)	Diameter (in)	Diameter (mm)	Roll Length (ft)
CRDF 0062-G	GREEN	0.062	1/16	1.6	50
CRDF 0125-B	BLACK	0.125	1/8	3.2	50
CRDF 0187-R	RED	0.187	3/16	4.7	50
CRDF 0250-Y	GRAY	0.250	1/4	6.4	50
CRDF 0312-U	BLUE	0.312	5/16	7.9	50
CRDF 0500-O	ORANGE	0.500	1/2	12.7	25
CRDF 0625-Y	GRAY	0.625	5/8	15.9	25
CRDF 0750-R	RED	0.750	3/4	19.1	25
CRDF 0875-Y	GRAY	0.875	7/8	22.2	25
CRDF 1000-U	BLUE	1.000	1	25.4	25

Current pricing and additional sizes available at www.epsi.com

CRDS SERIES - SOLID SILICONE CORD



PRODUCT DESCRIPTION

Our Solid Silicone Cord (CRDS) product line is a great solution for sealing off exposed semi-circular cut-outs on machined parts. It can also be used to plug threaded and non-threaded holes. Versatile and easy to cut to length, Solid Silicone Cord is a great product to have for short runs



- Plug exposed channels or grooves on machined parts
- Used to plug threaded and non-threaded holes
- Cuts easily to length
- Color coded for easy identification
- To ensure tight seal, pick a product whose outer diameter (OD) dimension is at least 3-7% larger than the hole or groove that is being masked

CRDS SERIES

PART NUMBER	COLOR	Diameter (in)	Diameter (in)	Diameter (mm)	Roll Length (ft)
CRDS 0063-R	RED	0.063	1/16	1.6	100
CRDS 0125-O	ORANGE	0.125	1/8	3.2	100
CRDS 0188-P	PURPLE	0.188	3/16	4.8	100
CRDS 0250-N	PINK	0.250	1/4	6.4	100
CRDS 0375-R	RED	0.375	3/8	9.5	50
CRDS 0500-P	PURPLE	0.500	1/2	12.7	50

Current pricing and additional sizes available at www.epsi.com

SHFS/SHRS SERIES - SILICONE SHEETING



- Can be die cut to almost any shape
- Reusable paint mask
- Solid rubber (SHRS) is ideal for gaskets in automotive sealing application
- Foam sheeting (SHFS) is conformable and lightweight

PRODUCT DESCRIPTION

Our Silicone Foam (SHFS) and Solid Silicone Rubber (SHRS) sheeting product lines are ideal for applications such as gasketing, sound deadening and paint masking during powder coating. Various thicknesses are offered to cover a variety of applications

HELPFUL HINTS

- Silicone foam is more conformable and lighter in weight than solid silicone rubber
- Silicone foam's fabric-like top film is extremely durable and resists powder build-up
- Silicone rubber has a smooth surface where as silicone foam has a textured surface
- Saves labor time over traditional tape masking, and can be reused for additional cost savings
- Foam sheeting is a closed-cell structure and will not absorb water
- Can be die-cut to any shape. Both materials can be supplied with an acrylic adhesive system on one side for permanent applications; call for details

SHFS SERIES - SILICONE FOAM

PART NUMBER	Standard L x W (in)	Standard Thickness (in)	Standard Thickness (in)	Metric Thickness (mm)	Standard L x W (mm)
SHFS 0032	36 X 36	0.125	1/8	3.2	914 X 914
SHFS 0064	36 X 36	0.250	1/4	6.4	914 X 914
SHFS 0127	36 X 36	0.500	1/2	12.7	914 X 914

SHRS SERIES - SOLID SILICON RUBBER

PART NUMBER	Standard L x W (in)	Standard Thickness (in)	Standard Thickness (in)	Metric Thickness (mm)	Standard L x W (mm)
SHRS 0016	36 X 36	0.063	1/16	1.6	914 X 914
SHRS 0024	36 X 36	0.094	3/32	2.4	914 X 914
SHRS 0032	36 X 36	0.125	1/8	3.2	914 X 914
SHRS 0048	36 X 36	0.188	3/16	4.8	914 X 914

Current pricing and additional sizes available at www.epsi.com

SHMV SERIES - VINYL MAGNETIC SHEETING



- Used in die cut form to match and protect specific surface geometry on sheet metal and formed metal parts
- Eliminates the need for masking tapes with traditional adhesives
- Reusable protection for low temperature finishing needs

PRODUCT DESCRIPTION

Our Vinyl Magnetic Sheeting (SHMV) product line is an attractive alternative to traditional tape masking of flat surfaces. Vinyl Magnetic Sheeting is easy to apply, leaves no residue on the surface and is reusable. Vinyl Magnetic Sheeting can replace the need for crepe tape in many masking applications

TYPICAL APPLICATIONS

When used in die cut profiles, Vinyl Magnetic Sheeting is used to protect flat surfaces on sheet metal. Vinyl Magnetic Sheeting can replace the need for crepe tape in many masking applications, and, through reusability and ease of application, can lower overall masking costs

HELPFUL HINTS

- Vinyl exhibits good chemical resistance properties
- For best results, vinyl magnetic sheeting should be applied to clean, flat, ferrous metal surfaces
- Vinyl magnetic sheeting can be purchased either in raw sheet form or in die cut shapes, depending on application
- Vinyl magnet should be applied to flat surfaces only
- Can be die-cut to any shape - call for details

SHMV SERIES

PART NUMBER	Standard L x W (in)	Standard Thickness (in)	Standard L x W (mm)	Metric Thickness (mm)
SHMV 0015-SHEET	24 X 60	0.060	610 x 1524	1.5

CRSP SERIES - CORK SPACER PADS



- Protect finished products during shipping and storage
- Spacer pads stick without adhesive
- Fast, easy placement and removal
- Inexpensive cork material; reusable
- Parts can be stacked shortly after curing

TYPICAL INDUSTRY USES

Powder Coating, E-Coating, Plating, Anodizing and Wet Spray

TYPICAL APPLICATIONS

Used as a protective spacer between layers of freshly coated material to prevent damage and wear to surfaces



HELPFUL HINTS

A simple system for avoiding paint damage during storage and transportation. The spacer pads are 18 X 18 mm or 20 X 20 mm in varying thickness, and made of natural cork with a 2 mm thick soft polyethylene layer on one side. The pad fastens with a suction effect when lightly pressed against the painted surface. The pads do not leave trace residue after removal and are reusable. We do, however, recommend testing this product first to determine the suitability for its intended paint application

CRSP SERIES

PART NUMBER	Standard Base (in)	Standard Thickness (in)	Metric Base (mm)	Metric Thickness (mm)	Box Qty
CRSP 181804	0.709 X 0.709	0.157	18.0 X 18.0	4.0	1000
CRSP 202010	0.787 X 0.787	0.394	20.0 X 20.0	10.0	500

RESOURCES

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ELASTOMER Selection Guide & Physical Properties

E = EXCELLENT
G = GOOD
F = FAIR
P = POOR

ELASTOMER	EPSI MATERIAL DESIGNATION	HIGH INTERMITTANT TEMPERATURE °C	LOW/HI TEMP USAGE °C	HARDNESS RANGE (SHORE A)	ASTM D2000/SAE J200 TYPE, CLASS	ABRASION RESISTANCE	ACID RESISTANCE	ALCOHOLS	ALIPHATIC HYDROCARBONS	ALKALAI RESISTANCE	AROMATIC HYDROCARBONS	COMPRESSION SET	ELONGATION (MAXIMUM %)	GAS IMPERMEABILITY	HALOGENATED HYDROCARBONS	LUBRICATING OILS PETROLEUM BASED	OZONE RESISTANCE	POLAR SOLVENTS (KETONES)	RESILIENCE-REBOUND	STEAM RESISTANCE	TEAR RESISTANCE	TENSILE STRENGTH	WEATHER RESISTANCE
Butyl (Isobutylene Isoprene)	Y	150	-45 to +120	40-80	AA BA	F-G	G-E	E	P	G-E	P	F-G	800	E	P	P	G-E	G	P	G	G	F-G	G-E
EPDM (Ethylene Propylene)	E	245	-50 to +175	40-90	AA BA CA	G	G	E	P	E	P	F-G	600	F	P	P	E	E	G	E	F-G	G	E
Natural Rubber (Polyisoprene)	R	105	-50 to +80	40-90	AA	E	F-G	G	P	G-E	P	G-E	700	F-P	P	P	P	F-G	E	P	E	G-E	P
Neoprene® (Polychloroprene)	N	190	-40 to +120	40-90	BC BE	G-E	F-G	G-E	F	G-E	P	F-G	600	G-E	P	G	G-E	P	G-E	P	G	F	G-E
NBR, Nitrile, Buna-N (Butadiene Acrylonitrile)	U	150	-50 to +120	40-90	BF BG BK	G-E	G	G-E	G-E	G	P	G	600	G-E	F-P	E	P	P	G	P	G	G	P-E
Silicone (Polysiloxane)	S	315	-65 to +230	25-80	FC FE GE	P	P-G	G-E	P	E	P	G-E	800	P	P	P	E	P	F-G	F-P	P	P	E
SBR (Styrene Butadiene)	B	135	-45 to +110	40-90	AA BA	E	F-G	G-E	P	F-G	P	G	600	F-G	P	P	P	P	G	P	F-G	G	P
VITON (Fluorinated Hydrocarbon)	O	355	-30 to +315	50-95	TB	G	E	F-G	E	F-G	E	G	300	G-E	E	E	E	P	F-G	P	F-G	F	E

The information in this table is intended only as a guide. EPSI recommends that any material you select be tested in your application prior to actual production.

CONVERSION TABLE

FRACTION	DECIMALS	MILLIMETERS
1/64	0.0156	0.40
1/32	0.0313	0.80
3/64	0.0469	1.20
1/16	0.0625	1.59
5/64	0.0781	1.99
3/32	0.0938	2.39
7/64	0.1094	2.78
1/8	0.1250	3.18
9/64	0.1406	3.58
5/32	0.1563	3.97
11/64	0.1719	4.37
3/16	0.1875	4.77
13/64	0.2031	5.16
7/32	0.2188	5.56
15/64	0.2344	5.96
1/4	0.2500	6.34
17/64	0.2656	6.75
9/32	0.2813	7.15
19/64	0.2969	7.55
5/16	0.3125	7.94
21/64	0.3281	8.34
11/32	0.3438	8.74
23/64	0.3594	9.13
3/8	0.3750	9.53
25/64	0.3906	9.93
13/32	0.4063	10.32
27/64	0.4219	10.72
7/16	0.4375	11.12
29/64	0.4531	11.51
15/32	0.4688	11.91
31/64	0.4844	12.31
1/2	0.5000	12.70

FRACTION	DECIMALS	MILLIMETERS
33/64	0.5156	13.10
17/32	0.5313	13.50
35/64	0.5469	13.90
9/16	0.5625	14.29
37/64	0.5781	14.69
19/32	0.5938	15.09
39/64	0.6094	15.48
5/8	0.6250	15.88
41/64	0.6406	16.28
21/32	0.6563	16.67
43/64	0.6719	17.07
11/16	0.6875	17.47
45/64	0.7031	17.86
23/32	0.7188	18.26
47/64	0.7344	18.66
3/4	0.7500	19.05
49/64	0.7656	19.45
25/32	0.7813	19.85
51/64	0.7969	20.25
13/16	0.8125	20.64
53/64	0.8281	21.04
27/32	0.8438	21.44
55/64	0.8594	21.83
7/8	0.8750	22.23
57/64	0.8906	22.63
29/32	0.9063	23.02
59/64	0.9219	23.42
15/16	0.9375	23.82
61/64	0.9531	24.21
31/64	0.9688	24.61
63/64	0.9844	25.01
1	1.0000	25.40

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Starrett®

Precision, Quality and Innovation...
Since 1880

INCH/METRIC TAP DRILL SIZES & DECIMAL EQUIVALENTS

DRILL SIZE	DECIMAL EQUIVALENT	TAP SIZE
80	.0135	
79	.0145	
1/64	.0156	
78	.0160	
77	.0180	
76	.0200	
75	.0210	
74	.0225	
73	.0240	
72	.0250	
71	.0260	
70	.0280	
69	.0292	
68	.0310	
1/32	.0312	
67	.0320	
66	.0330	
65	.0350	
64	.0360	
63	.0370	
62	.0380	
61	.0390	
60	.0400	
59	.0410	
58	.0420	
57	.0430	
56	.0465	
3/64	.0469	0 - 80
55	.0520	
54	.0550	
53	.0595	1 - 64, 72
1/16	.0625	
52	.0635	
51	.0670	
50	.0700	2 - 56, 64
49	.0730	
48	.0760	
5/64	.0781	
47	.0785	3 - 48
46	.0810	
45	.0820	3 - 56
44	.0860	
43	.0890	4 - 40
42	.0935	4 - 48
3/32	.0938	
41	.0960	
40	.0980	
39	.0995	
38	.1015	5 - 40
37	.1040	5 - 44
36	.1065	6 - 32
7/64	.1094	
35	.1100	
34	.1110	
33	.1130	6 - 40
32	.1160	
31	.1200	
1/8	.1250	
30	.1285	
29	.1360	8 - 32, 36
28	.1405	
9/64	.1406	
27	.1440	
26	.1470	
25	.1495	10 - 24
24	.1520	
23	.1540	
5/32	.1562	
22	.1570	
21	.1590	10 - 32
20	.1610	
19	.1660	
18	.1695	
11/64	.1719	
17	.1730	
16	.1770	12 - 24
15	.1800	
14	.1820	12 - 28
13	.1850	
3/16	.1875	
12	.1890	
11	.1910	

DRILL SIZE	DECIMAL EQUIVALENT	TAP SIZE
10	.1935	
9	.1960	
8	.1990	
7	.2010	1/4 - 20
13/64	.2031	
6	.2040	
5	.2055	
4	.2090	
3	.2130	1/4 - 28
7/32	.2188	
2	.2210	
1	.2280	
A	.2340	
15/64	.2344	
B	.2380	
C	.2420	
D	.2460	
1/4	.2500	
E	.2570	5/16 - 18
F	.2610	
G	.2656	
17/64	.2660	
H	.2720	5/16 - 24
I	.2770	
J	.2810	
K	.2812	
9/32	.2900	
L	.2950	
M	.2969	
19/64	.3020	
N	.3125	3/8 - 16
5/16	.3160	
O	.3230	
P	.3281	
21/64	.3320	3/8 - 24
Q	.3390	
R	.3438	
11/32	.3480	
S	.3580	
T	.3594	
23/64	.3680	7/16 - 14
U	.3750	
3/8	.3770	
V	.3860	
W	.3906	7/16 - 20
25/64	.3970	
X	.4040	
Y	.4062	
13/32	.4130	
Z	.4219	1/2 - 13
27/64	.4375	
7/16	.4531	1/2 - 20
29/64	.4688	
15/32	.4844	9/16 - 12
31/64	.5000	
1/2	.5156	9/16 - 18
33/64	.5312	5/8 - 11
17/32	.5469	
35/64	.5625	
9/16	.5781	5/8 - 18
37/64	.5938	
19/32	.6094	
39/64	.6250	
5/8	.6406	
41/64	.6562	3/4 - 10
21/32	.6719	
43/64	.6875	3/4 - 16
11/16	.7031	
45/64	.7188	
23/32	.7344	
47/64	.7500	
3/4	.7656	7/8 - 9
49/64	.7812	
25/32	.7969	
51/64	.8125	7/8 - 14
13/16	.8281	
53/64	.8438	
27/32	.8594	
55/64	.8750	1 - 8
7/8	.8906	
57/64	.9062	
29/32		

DRILL SIZE	DECIMAL EQUIVALENT	TAP SIZE
59/64	.9219	1 - 12
15/16	.9375	1 - 14
61/64	.9531	
31/32	.9688	
63/64	.9844	1 1/8 - 7
1	1.0000	
1 3/64	1.0469	1 1/8 - 12
1 7/64	1.1094	1 1/4 - 7
1 1/8	1.1250	
1 11/64	1.1719	1 1/4 - 12
1 7/32	1.2188	1 3/8 - 6
1 1/4	1.2500	
1 19/64	1.2969	1 3/8 - 12
1 11/32	1.3438	1 1/2 - 6
1 3/8	1.3750	
1 27/64	1.4219	1 1/2 - 12
1 1/2	1.5000	

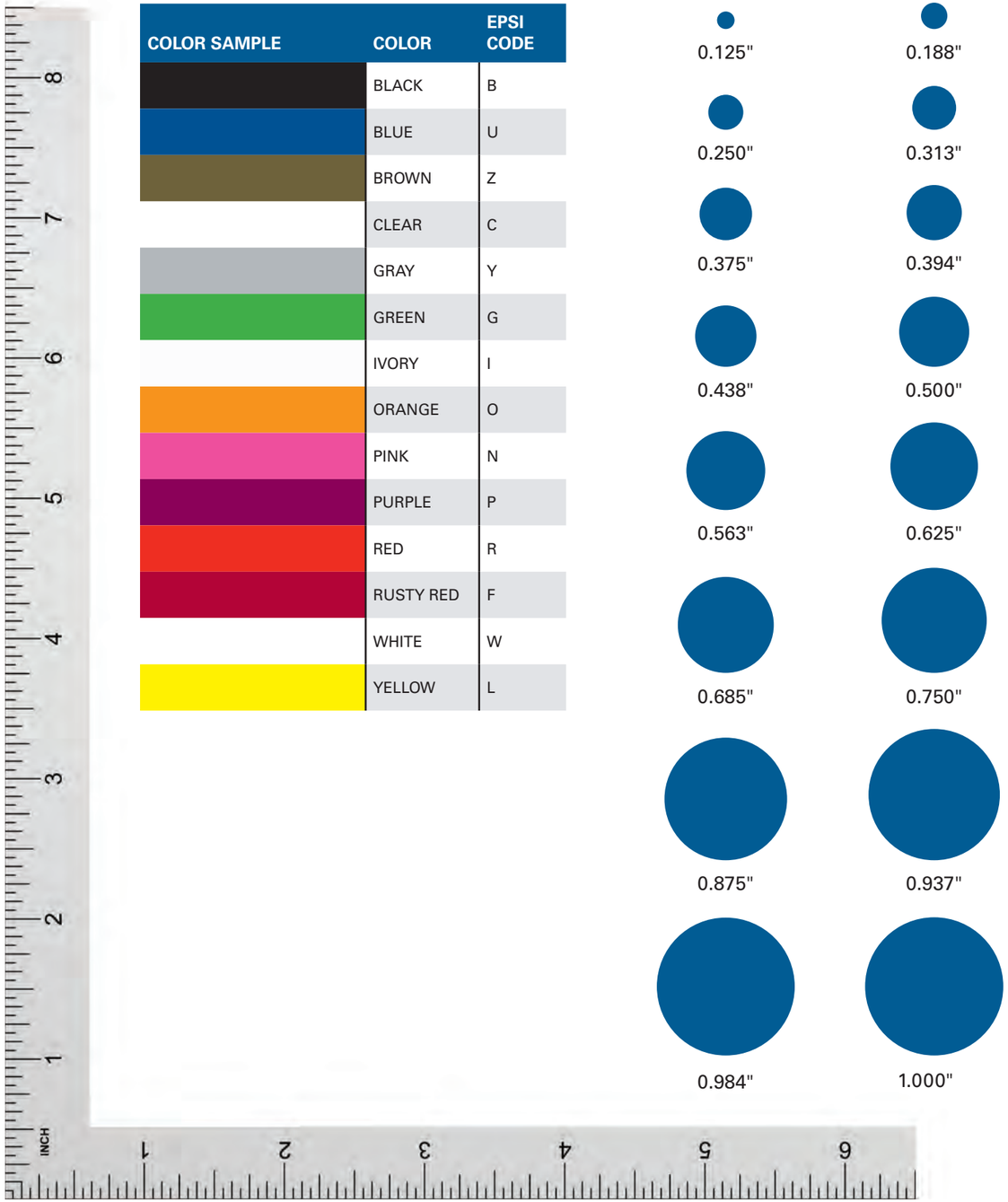
METRIC TAP DRILL SIZES

METRIC TAP	TAP DRILL (mm)	DECIMAL (Inch)
M1.6 x 0.35	1.25	.0492
M1.8 x 0.35	1.45	.0571
M2 x 0.4	1.60	.0630
M2.2 x 0.45	1.75	.0689
M2.5 x 0.45	2.05	.0807
M3 x 0.5	2.50	.0984
M3.5 x 0.6	2.90	.1142
M4 x 0.7	3.30	.1299
M4.5 x 0.75	3.70	.1457
M5 x 0.8	4.20	.1654
M6 x 1	5.00	.1968
M7 x 1	6.00	.2362
M8 x 1.25	6.70	.2638
M8 x 1	7.00	.2756
M10 x 1.5	8.50	.3346
M10 x 1.25	8.70	.3425
M12 x 1.75	10.20	.4016
M12 x 1.25	10.80	.4252
M14 x 2	12.00	.4724
M14 x 1.5	12.50	.4921
M16 x 2	14.00	.5512
M16 x 1.5	14.50	.5709
M18 x 2.5	15.50	.6102
M18 x 1.5	16.50	.6496
M20 x 2.5	17.50	.6890
M20 x 1.5	18.50	.7283
M22 x 2.5	19.50	.7677
M22 x 1.5	20.50	.8071
M24 x 3	21.00	.8268
M24 x 2	22.00	.8661
M27 x 3	24.00	.9449
M27 x 2	25.00	.9843
M30 x 3.5	26.50	1.0433
M30 x 2	28.00	1.1024
M33 x 3.5	29.50	1.1614
M33 x 2	31.00	1.2205
M36 x 4	32.00	1.2598
M36 x 3	33.00	1.2992
M39 x 4	35.00	1.3780
M39 x 3	36.00	1.4173

PIPE THREAD SIZES (NPSC)

THREAD	DRILL	THREAD	DRILL
1/8 – 27	11/32	1 1/2 – 11 1/2	1 3/4
1/4 – 18	7/16	2 – 11 1/2	2 7/32
3/8 – 18	37/64	2 1/2 – 8	2 21/32
1/2 – 14	23/32	3 – 8	3 1/4
3/4 – 14	59/64	3 1/2 – 8	3 3/4
1 – 11 1/2	1 5/32	4 – 8	4 1/4
1 1/4 – 11 1/2	1 1/2		

SIZE & COLOR REFERENCE GUIDE



COLOR SAMPLE	COLOR	EPSI CODE
	BLACK	B
	BLUE	U
	BROWN	Z
	CLEAR	C
	GRAY	Y
	GREEN	G
	IVORY	I
	ORANGE	O
	PINK	N
	PURPLE	P
	RED	R
	RUSTY RED	F
	WHITE	W
	YELLOW	L

TERMS & CONDITIONS

VISIT WWW.EPSI.COM FOR THE LATEST TERMS & CONDITIONS

MINIMUM ORDER IS $75 U.S. DOLLARS

PAYMENTS

Payments made by credit card will be processed within one business day. EPSI accepts Visa, MasterCard and American Express. Late Payments are subject to 1.5% (18% APR) on unpaid balances until paid and any collection costs including actual attorney fees. After 30 days of unpaid fees, your account will be placed into suspense and you will not be able to order additional products. In the event of a suspended account, please reach out to your Inside Sales Representative or Customer Service Representative to resolve the issue. Proof of payment is required to clear the suspense. If you wish to establish terms, you must submit to a credit history check. Your current credit health will determine terms length and credit limit with EPSI.

Based on your Partnership Level, you can apply to receive payment term incentives. Payments are to be made within the number of days (based on what you qualify for) after the date listed on the invoice. EPSI accepts payments via Visa, MasterCard, American Express, company check or bank transfer.

If a credit is issued to your account, it will remain open for future purchases on EPSI product only. Credits will be valid for 120 days.

In the event of questions regarding payments of safety stock for a customer who is no longer willing or able to continue with customer-provided forecasting, the customer is responsible for purchase and payment of 90 days' worth of product. Please see Safety Stock Agreement for full details.

SERVICE TERMS & CONDITIONS:

The EPSI Guarantee: Our EPSI Guarantee to you is increased efficiency, reduced per painted part cost, a dedicated account manager and regional support team. It works or you don't pay!

RETURN POLICY

Customer has 30 days from the invoice date to place a claim for return of standard products. This includes if the customer ordered the wrong product, ordered the wrong quantity or if they do not need the product. Products must be returned in new, unused condition. A refund will be issued for claims with products returned within 30 days if paid via credit card.

Claims for return of standard product made from day 31-90 will receive an EPSI store credit once product is received. Products must be returned in new, unused condition. A refund will be issued for claims with products returned within 30 days. This credit will be placed on your account. EPSI store credits can be applied to open invoices upon request. If a credit is issued to your account, it will remain open for future purchases on EPSI product only. Credits will be valid for 120 days.

EPSI store credit will not be issued for claims made and/or products returned after 90 days.

A claim must be placed with your Customer Service Representative (CSR) to return product. Your CSR will issue a RMA # and provide RMA paperwork. This paperwork must accompany the product being returned. If paperwork does not accompany the returned product, we are unable to identify where the return is coming from and no credit will be issued.

There is a 15% restocking fee for any unwanted product from customer. Eligible Partnership Levels will receive lowered restocking fee incentives.

Custom orders may not be returned, unless defective.

If product is defective, EPSI recommends the wrong product, EPSI ships the wrong product or EPSI ships the incorrect quantity, a claim must be placed with your Customer Service Representative (CSR). Your CSR will issue a RMA # and provide RMA paperwork. This paperwork must accompany the product being returned. If paperwork does not accompany the returned product, we are unable to identify where the return is coming from and no credit will be issued.

The product must be received within 30 days of the RMA # being issued. If product is received after 30 days, no credit will be issued and the product will not be returned to the customer.

Once a claim is submitted, EPSI will send you the correct product at no charge to you. Product you wish to return must be in new, unused condition and your request must be made within 30 days of original receipt of goods. If product sent back is not received within 30 days of a claim being submitted or has been identified as "used", you will be charged for the replacement goods.

Custom orders may not be returned, unless defective.

LIABILITIES

In no event shall EPSI be liable, in contract, tort, strict liability or under any other legal theory for indirect, incidental, consequential, special or punitive damages or for loss of profit, revenue or data regardless of whether EPSI was informed about the possibility of such damage. In no event shall EPSI's total liability exceed an amount equal to the sale price actually paid by buyer.

Many factors can affect the use of and performance of a product in a particular application. All products should be tested to determine their suitability for their intended use. Temperatures listed for all products are the highest intermittent temperature that product should be exposed to. These temperatures are higher than the continuous operating temperature for a given material.

When choosing a material for an application where hardness, chemical resistance, weatherability, tear resistance or other such properties are important, EPSI will gladly send samples of our stock materials for your evaluation. For additional material properties, or help in selecting the right material for your job, see "Elastomer Selection Guide" at the end of the catalog on page 126 or contact an EPSI Representative at 1.866.275.3774.

Technical Reference Guide effective August 2019. Visit www.epsi.com for the latest terms & conditions.

EPSI HEADQUARTERS



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866.FAX.EPSI (866.329.3774)

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EPSI-CALIFORNIA

13855 Struikman Road
Cerritos, CA 90703 USA



EPSI-TEXAS

6284 Brookhill Dr,
Brookhill Distribution Center #1
Houston, TX 77087 USA



EPSI-INDIANA

8168 N. Zionsville Road
Indianapolis, IN 46268 USA



EPSI-SOUTH CAROLINA

120 Corporate Drive, Units K-L
Spartanburg, SC 29303 USA



EPSI-CONNECTICUT

68 East Dudley Town Road, Suite !
Bloomfield, CT 06002 USA



EPSI CANADA

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Dorval, QC H9P 2V6 Canada



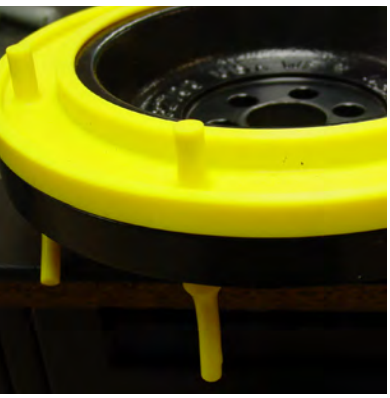
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