

Harrison \& Harrison

Metal Stampings Catalogue
Blanks for Enamelling \& Jewellery Making

Available for Purchase at our Online Shop www.copperenamelshapes.com


All shapes available in copper and many in brass and aluminium

Please enquire for details: sales@copperenamelshapes.com Phone: $\mathbf{4 4 + ( 0 ) 1 7 4 3 5 1 0 2 5 0}$


## HARRISON \& HARRISON

Harrison \& Harrison is a small, family-run business. When you place an order for blanks with us it will most likely have been manufactured by one of us!

The business was started by my father in 1970 as a cottage workshop, producing a range of basic jewellery sold at local markets and fairs and later to gift shops across the UK. The shapes for that first range were fashioned using one ancient press (today it is still in use and as good as ever), acquired at an engineering auction for $£ 50.00$. The shapes were hand-finished to produce a collection of pendants, rings, bracelets and eardrops, which sold pretty well in their day.

Our 'wow' moment arrived in 1972 at craft markets when we encountered a number of skilled enamellers. From that moment we were hooked on enamelled copper jewellery. At that time the small range of shapes available to enamellers was pretty boring and unimaginative, so we decided to broaden our range and by the 1980s our copper shapes business was the main supplier of copper stampings to UK enamellers and jewellery makers with over 2,500 different shapes.

The journey has not been easy. To meet modern expectations of quality we have invested continually in design, tooling and workshop equipment. Every shape requires a high precision bespoke tool and specialist engineering skills to ensure a good quality result and the range must be continually refreshed to keep our commercial customers ahead of the game! It has been worthwhile though and we find great satisfaction in shipping our blanks to craftsmen and women all over the world.

We intend to keep improving our range of products for our many loyal customers. We hope you find our catalogue interesting and if you have ideas for any new shapes then let us know !

With best wishes from the team to all our customers.

Julian Harrison


## HOW TO ORDER

Shapes are shown actual size and each shape has a catalogue number. Many shapes have options for piercing, double-piercing, doming and for different gauges (thickness of metal). Some shapes are only available domed or pierced or the choice of gauge is restricted. At the back of this catalogue is the Options Guide which shows what piercing options exist for each catalogue number. Doming options are shown against each shape in the main catalogue.

When making a non-internet order it is important to specify what options (gauge, piercing \& doming) are required using the following format:

| 938-CU-20 | $=$ Butterfly (938) in 20 gauge copper |
| :--- | :--- |
| 938-CU-20-P | $=$ Butterfly (938) in 20 gauge copper, pierced |
| 938-CU-22-PP | $=$ Butterfly (938) in 22 gauge copper, double-pierced |
| 641-CU-22-P-D | $=$ Disc (641) in 22 gauge copper, pierced, domed |

Shapes will generally be supplied flat and unpierced by default, so it is not necessary to specify this when ordering. There are a few exceptions, like crosses, which are always pierced.

Orders to the US are free of UK Value Added Tax (VAT), as are those to EU zone customers with EU VAT numbers.

## ORDERING ON THE INTERNET

The quickest and easiest way to place orders is online at:

## www.copperenamelshapes.com

We have made every effort to ensure that the site is easy an quick to use. The main features are:

- All major currencies accepted
- PayPal payment and major credit and debit cards accepted
- Notification of order progress and online tracking
- Repeat/duplicate orders
- Add messages to orders

TIP: The search bar at the top of the site is useful for locating shapes by the catalogue number or by description.


You can also place orders by e-mail:
sales@copperenamelshapes.com If you have any questions call us:
+44(0)1743510250

Our shapes are used for enamelling, jewellery making, wall hangings, keyrings, cutlery, buttons, boxes, insets for furniture making, engraving, as part of larger artworks ... We have been so impressed by the creativity of our customers that we have started an Ideas \& Inspiration section that showcases their work. We will be adding more and more to this as time goes by. Please feel free to enquire if you would like to feature there, we would love to hear from you.

## SHIPPING

We can ship to virtually any address in the world. On the website the shipping rate calculates at checkout based on the total weight of your order.

## SPECIAL ORDERS

If you can't find what you need then contact us. Sometimes basic shapes can be pierced or modified, discs can be halved, rectangles supplied lugged. We can also cut sheet metal to your required size and can even quote to produce custom shapes.

## RETURNS POLICY

We offer a full refund including return shipping costs for any defective or incorrect item supplied. The refund time varies according to the time taken for us to receive back your return. For the UK, EU \& USA this would generally be within 14 days.

## BUYING IN BULK

Discounts are available for bulk buyers, please contact us for a quotation.

## METAL QUALITY \& FINISHING

We use very high quality BS 101, $99.9 \%$ pure phosphorus free copper, in a 'half-hard' condition. When this grade of material is heated any firescale is even and free of flaking, making an ideal base for fine enamelling processes.

Many of our shapes can also be supplied in brass and aluminium. Please enquire for more information.



## Gauge

Discs larger than 4" are only available in heavier 20 gauge copper

## Piercing

Available for all sizes from 16 to 57 mm

## Double Piercing

To special order, please enquire

## Doming

Available for all sizes from 4 to 102 mm

Medium \& Deep Doming
Available for some sizes,
please enquire

## Other Sizes

Many other discs sizes can be produced by special order




826

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## Piercing

Any rectangle can be supplied pierced if the top side is less than 30 mm .
Most squares and rectangles come with a pierced option and larger piercings of $3 \& 8 \mathrm{~mm}$ can be added by special order.
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## Cutting to Size

Squares and rectangles of most sizes can be cut to special order in 0.7 and 0.9 mm . For larger pieces ( $75 \times 75 \mathrm{~mm}$ and above) we stock 1.2 mm sheet.

Please contact us for a quote.

Mixed Pieces
Bags of mixed rectangular pieces ( $1^{\prime \prime}-4^{\prime \prime}$ ) are supplied in $1 / 2 \mathrm{Kg}$ packs.
Contact us for a price.
$\begin{array}{ll}0 & 0 \\ 0 & 0\end{array}$

$\square$
$\square$ Rectangle 843 has four piercings for making necklaces and bracelets




Butterflies are shown single-pierced but can also be supplied unpierced, or double-pierced at the top of each wing tip.







Coses)
992



613




















(251)


995


949 $\begin{cases}q^{2} & \\ 0 \Omega \Omega\end{cases}$



960



882


881



Note piercing location for 977 \& 997



953


997 is domed only (not flat)


997


| 0 | 0 |  |
| :--- | :--- | :--- |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 |  |
| 0 | 0 |  |

843

850



485
846


476
474


469


Bracelet and necklace shapes are widely used by our customers to create beautiful jewellery. Below is some of the range produced by Janna Hodgson which can be seen at jewellerythatworks.com





 912

91111
$743 \quad 744 \quad 745$
746


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715


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680


784


558


933



736






Millefiori are supplied in 50 g packs. Our range is changing regularly so please check our website to see the latest stock.

The name millefiori is derived from the Italian "mille", meaning thousand, and "fiori", meaning flowers. Our millefiori are sourced from Italy and are handmade by making canes, known as murrines, from molten glass, these are then heated and pulled until thin, keeping the design intact. The individual millefiori are then cut from the cooled cane.


Enamelled products using copper blanks \& millefiori from our range


Millefiori M024
1-2 mm, mixed pack


Millefiori M002
5 mm , green


Millefiori M008
5 mm , red


Millefiori M034
5 mm , brown \& white


Millefiori M036, 4-6mm, brown \& white metallic flecks


Millefiori M020
4 mm , mixed pack


Millefiori M021
4 mm , light mauve


Millefiori M014
4 mm , red


Millefiori M016
4 mm , deep pink/mauve


Millefiori M013
4mm, black \& white


Millefiori M004
5-6mm, mixed pack


Millefiori M018
4mm, pink


Millefiori M011
$4-6 \mathrm{~mm}$, orange


Millefiori M035
5 mm , brown \& red


Millefiori M012
4mm, black \& white


Millefiori M023
$6-10 \mathrm{~mm}$, mixed pack


Millefiori M038
$6-7 \mathrm{~mm}$, white \& red


Millefiori M010
4 mm , yellow


Millefiori M032
$5-6 \mathrm{~mm}$, white \& brown


Millefiori M003, 6-8mm, black and white, IMPERFECT (discounted)


Trivet 2795 - Small, stainless steel, 25 mm wide span at the top of each ' V ', one piece support with 4 prongs. Dimensions at base $25 \times 25 \mathrm{~mm}$. Shown supporting an 18 mm square.


Trivet 2793 - Small, stainless steel, 24 mm wide span at the top of each ' V ', one piece support with 4 prongs.
Dimensions at base: $25 \times 35 \mathrm{~mm}$.
Shown supporting an 18 mm square.


Trivet 2812 - Medium, stainless steel, 38 mm wide span at the top of each ' V ', one piece support with 4 prongs. Dimensions at base $38 \times 38 \mathrm{~mm}$.
Shown supporting heart \#482 ( $34 \times 34.5 \mathrm{~mm}$ ).


Trivet 2791 - Medium, stainless steel, 40 mm span at top, one piece support with 3 prongs. Dimensions at base $55 \times 55 \mathrm{~mm}$. Shown supporting teardrop \#478 ( $45.5 \times 59 \mathrm{~mm}$ ).


Trivet 2817 - Small, stainless steel, 27 mm wide span at the top of each ' V ', one piece support with 4 prongs.
Dimensions at base $27 \times 27 \mathrm{~mm}$.
Shown supporting an 18 mm square.


Trivet 2816 - Small, stainless steel, 24 mm wide span at the top of each 'V', one piece support with 4 prongs. Dimensions at base $25 \times 37 \mathrm{~mm}$. Shown supporting an 18 mm square.

Trivet 2799 - Medium, stainless steel, 28 mm wide span at the top of each ' V ', one piece support with 4 prongs.
Dimensions at base $28 \times 35 \mathrm{~mm}$.
Shown supporting a 30 mm square.


Trivet 2794 - Large, stainless steel, 52 mm wide span at the top of each ' V ', one piece support with 3 prongs. Dimensions at base $65 \times 80 \mathrm{~mm}$. Shown supporting teardrop \#478 ( $45.5 \times 59 \mathrm{~mm}$ ).


Trivet 2790 - Large, stainless steel, 52 mm wide span at the top of each ' V ', one piece support with 3 prongs. Dimensions at base $75 \times 85 \mathrm{~mm}$. Shown supporting teardrop \#479 ( $45.5 \times 59 \mathrm{~mm}$ ).


Trivet 2815 - small, stainless steel, 27 mm wide span at the top of each ' $V$ ', 2 piece support $2 \times 4$ prongs. Dimensions at base $26 \times 54 \mathrm{~mm}$. Shown supporting a 18 mm square.


Trivet 2814 - small, stainless steel, 27 mm wide span at the top of each ' V ', 3 piece support $3 \times 4$ prongs. Dimensions at base $35 \times 80 \mathrm{~mm}$.
Shown supporting a 18 mm square.


Trivet 2798 - medium, stainless steel, 38 mm wide span at the top of each ' V ', 3 piece support $3 \times 4$ prongs.

## Dimensions at base $40 \times 125 \mathrm{~mm}$.

Shown supporting a witch's heart \#482 (34×34.5mm).

QUICK REFERENCE - TRIVET BASE SIZES

Single Piece Supports
Base Dimensions

| Trivet No. | Supports | Small | Medium | Large |
| :---: | :---: | :---: | :---: | :---: |
| 2793 | 1 piece | $25 \times 35 \mathrm{~mm}$ |  |  |
| 2816 | 1 piece | $25 \times 37 \mathrm{~mm}$ |  |  |
| 2795 | 1 piece | $25 \times 25 \mathrm{~mm}$ |  |  |
| 2817 | 1 piece | $27 \times 27 \mathrm{~mm}$ |  |  |
| 2799 | 1 piece |  | $28 \times 35 \mathrm{~mm}$ |  |
| 2812 | 1 piece |  | $38 \times 38 \mathrm{~mm}$ |  |
| 2791 | 1 piece |  | $55 \times 55 \mathrm{~mm}$ |  |
| 2794 | 1 piece |  |  | $65 \times 80 \mathrm{~mm}$ |
| 2790 | 1 piece |  |  | $75 \times 85 \mathrm{~mm}$ |
|  |  |  |  |  |
| Multiple Piece Supports |  | Base Dimensions |  |  |
| Trivet No. | Supports | Small | Medium | Large |
| 2815 | 2 pieces | $26 \times 54 \mathrm{~mm}$ |  |  |
| 2814 | 3 pieces | $35 \times 80 \mathrm{~mm}$ |  |  |
| 2792 | 6 pieces |  | $78 \times 115 \mathrm{~mm}$ |  |
| 2798 | 3 pieces |  | $40 \times 125 \mathrm{~mm}$ |  |
| 2813 | 3 pieces |  |  | $50 \times 147 \mathrm{~mm}$ |



Trivet 2792 - medium, stainless steel, 35 mm wide span at the top of each ' V ', 6 piece support $6 \times 4$ prongs.
Dimensions at base $78 \times 115 \mathrm{~mm}$.
Shown supporting a 18 mm square.


Trivet 2813 - large, stainless steel, 48 mm wide span at the top of each ' $V$ ', 3 piece support $3 \times 4$ prongs. Dimensions at base $50 \times 147 \mathrm{~mm}$.
Shown supporting a $30 \times 40 \mathrm{~mm}$ rectangle.

## COPPER THICKNESS

Most of our shapes come in 2 thicknesses of copper. 0.9 mm ( $0.035^{\prime \prime}, 20$ gauge) or 0.7 mm ( 0.028 ", 22 gauge). All shapes are available in the heavier gauge, and most in the lighter gauge as well. If a shape is not available in both gauges it is often because the shape is either too intricate or too large to support a lighter gauge. The table on the following pages shows what gauges are available for each shape.

Some shapes are also available in 1.2 mm copper ( $0.047,18$ gauge). Please enquire.
Thicker metal provides more mechanical strength in shapes with thin parts, such as dragonflies or crosses, flat shapes larger than about $50 \mathrm{~mm}(2 \mathrm{in})$ or domed shapes larger than 55 mm ( 2.5 in ).

For enamellers, it is also preferable if you do not plan to counter enamel the piece (that is, to enamel both back and front to balance out metal stresses) although in general counter enamelling is always strongly recommended. For shapes 5 cms (2") or larger, and shapes with projections, like starfish, dragonflies, crosses or daisies, the thicker copper is pretty much essential.

Important Note for non-UK customers: please be aware that gauges are sometimes measured using different standards. In the US for example, 22 and 20 gauge are a little less thick: 0.8 and 0.7 mm respectively (American Wire Gauge).

## DOMED SHAPES

Many of our shapes are domed or have a domed option.

Where a shape is only available domed the following symbol appears above the catalogue number:

Where a shape is available domed or flat the following symbol appears above the catalogue number:


Some enamelling just looks better on a domed surface, the smooth gem like quality of a simple disc, especially when fired with transparent enamel onto a well prepared surface, is hard to beat. Also, domed shapes tend to suffer less heat distortion than flat shapes, so it is often possible to achieve good results using the thinner gauge copper, although counter enamelling is always preferable.

PIERCING
Many shapes are offered pierced for use as pendants or double pierced so that they can be linked together to form pendants or bracelets.

The table on the following pages shows what options for piercing are available for each shape.

## SPECIALS

We are always happy to quote for special orders. We can cut sheet in to larger geometric shapes and we can even make tools to produce a customer's own design. Please ask by contacting us at:
sales@copperenamelshapes.com

UP - Unpierced

| Code | Gauge | UP | P | PP | Code | Gauge | UP | P | PP | Code | Gauge | UP | P | PP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 302 | 20/22 | x | V | x | 461 | 20/22 | V | V | $\checkmark$ | 524 | 20/22 | V | V | $x$ |
| 303 | 20/22 | x | V | X | 462 | 20/22 | $\checkmark$ | V | $\checkmark$ | 525 | 20/22 | V | V | x |
| 304 | 20/22 | x | V | x | 463 | 20/22 | V | x | x | 526 | 20/22 | V | V | x |
| 305 | 20/22 | x | V | x | 464 | 20/22 | $\checkmark$ | X | x | 527 | 20/22 | $\checkmark$ | V | x |
| 306 | 20/22 | x | V | x | 465 | 20/22 | $\checkmark$ | V | x | 528 | 20/22 | $\checkmark$ | V | x |
| 308 | 20/22 | x | V | x | 466 | 20 | x | V | $\checkmark$ | 529 | 20/22 | V | V | x |
| 310 | 20/22 | x | V | X | 467 | 20 | x | $\checkmark$ | $\checkmark$ | 530 | 20/22 | V | V | x |
| 313 | 20/22 | x | V | x | 468 | 20/22 | x | X | $\checkmark$ | 531 | 20/22 | $\checkmark$ | V | x |
| 314 | 20/22 | x | V | x | 469 | 20/22 | x | V | $\checkmark$ | 532 | 20/22 | $\checkmark$ | V | x |
| 316 | 20/22 | x | V | x | 470 | 20/22 | x | V | x | 533 | 20/22 | V | V | x |
| 321 | 20/22 | x | V | x | 471 | 20/22 | x | V | $\checkmark$ | 534 | 20/22 | V | V | x |
| 322 | 20/22 | x | V | x | 472 | 20/22 | x | V | x | 535 | 20/22 | X | V | x |
| 323 | 20/22 | x | V | x | 474 | 20 | x | x | $\checkmark$ | 536 | 20/22 | x | V | x |
| 324 | 20/22 | x | V | x | 476 | 20 | x | X | $\checkmark$ | 537 | 20/22 | $\checkmark$ | V | x |
| 325 | 20/22 | x | V | x | 477 | 20 | X | x | $\checkmark$ | 538 | 20/22 | $\checkmark$ | V | x |
| 326 | 20/22 | x | V | x | 478 | 20/22 | V | x | x | 539 | 20/22 | $\checkmark$ | V | x |
| 327 | 20/22 | x | V | x | 479 | 20/22 | $\checkmark$ | x | x | 540 | 20/22 | x | V | x |
| 328 | 20/22 | x | V | X | 480 | 20/22 | V | X | x | 542 | 20/22 | V | $\checkmark$ | x |
| 329 | 20/22 | x | $\checkmark$ | x | 481 | 20/22 | $\checkmark$ | X | x | 543 | 20/22 | V | x | x |
| 330 | 20/22 | x | V | x | 482 | 20/22 | V | V | x | 544 | 20/22 | $\checkmark$ | x | x |
| 331 | 20/22 | x | V | x | 483 | 20/22 | $\checkmark$ | V | x | 545 | 20/22 | $\checkmark$ | V | x |
| 332 | 20/22 | x | V | x | 484 | 20 | X | X | $\checkmark$ | 546 | 20/22 | V | V | x |
| 333 | 20/22 | x | V | x | 485 | 20 | x | X | $\checkmark$ | 547 | 20/22 | $\checkmark$ | x | x |
| 334 | 20/22 | x | V | x | 486 | 20/22 | $\checkmark$ | V | x | 548 | 20/22 | $\checkmark$ | x | x |
| 342 | 20/22 | x | $\checkmark$ | X | 487 | 20/22 | x | V | x | 549 | 20/22 | $\checkmark$ | V | x |
| 345 | 20/22 | x | $\checkmark$ | X | 488 | 22 | X | V | x | 550 | 20/22 | V | $\checkmark$ | x |
| 346 | 20/22 | x | $\checkmark$ | x | 489 | 20 | x | V | x | 551 | 20/22 | $\checkmark$ | V | x |
| 355 | 20/22 | x | V | x | 491 | 20/22 | x | $\checkmark$ | x | 552 | 20/22 | $\checkmark$ | V | x |
| 356 | 20/22 | x | V | x | 492 | 20/22 | x | x | $\checkmark$ | 553 | 20/22 | $\checkmark$ | V | x |
| 357 | 20/22 | x | V | x | 493 | 20/22 | x | V | x | 554 | 20/22 | V | V | x |
| 358 | 20/22 | x | V | x | 494 | 20/22 | x | V | x | 555 | 20/22 | $\checkmark$ | V | x |
| 359 | 20/22 | X | V | x | 496 | 20 | X | $\checkmark$ | x | 557 | 20/22 | V | $\checkmark$ | x |
| 400 | 20/22 | $\checkmark$ | V | X | 497 | 20/22 | V | x | x | 558 | 20/22 | $\checkmark$ | X | x |
| 405 | 20/22 | $\checkmark$ | $\checkmark$ | x | 498 | 20/22 | $\checkmark$ | x | x | 559 | 20/22 | $\checkmark$ | x | x |
| 406 | 20/22 | $\checkmark$ | x | x | 499 | 20/22 | V | x | x | 560 | 20/22 | $\checkmark$ | x | x |
| 409 | 20/22 | V | V | x | 500 | 20/22 | V | V | x | 561 | 20/22 | $\checkmark$ | V | x |
| 411 | 20/22 | x | V | x | 501 | 20/22 | $\checkmark$ | V | x | 562 | 20/22 | V | V | x |
| 413 | 20/22 | V | V | X | 502 | 20/22 | V | V | x | 563 | 20/22 | $\checkmark$ | V | x |
| 414 | 20/22 | $\checkmark$ | V | x | 503 | 20/22 | V | V | x | 564 | 20/22 | V | V | x |
| 417 | 20/22 | $\checkmark$ | $\checkmark$ | x | 504 | 20/22 | V | V | x | 565 | 20/22 | V | V | x |
| 418 | 20/22 | $\checkmark$ | x | x | 505 | 20/22 | V | V | x | 566 | 20/22 | V | V | x |
| 419 | 20/22 | $\checkmark$ | V | X | 506 | 20/22 | V | V | x | 568 | 20/22 | $\checkmark$ | V | x |
| 423 | 20/22 | $\checkmark$ | V | x | 507 | 20/22 | $\checkmark$ | V | x | 569 | 20/22 | $\checkmark$ | V | x |
| 425 | 20/22 | $\checkmark$ | $\checkmark$ | V | 508 | 20/22 | $\checkmark$ | V | x | 570 | 20/22 | $\checkmark$ | V | x |
| 428 | 20/22 | $\checkmark$ | x | x | 509 | 20/22 | V | x | x | 571 | 20/22 | $\checkmark$ | V | x |
| 434 | 20/22 | $\checkmark$ | x | X | 510 | 20/22 | V | V | X | 572 | 20/22 | X | V | X |
| 437 | 20/22 | $\checkmark$ | x | x | 511 | 20/22 | V | x | x | 573 | 20/22 | x | V | x |
| 438 | 20/22 | $\checkmark$ | x | x | 512 | 20/22 | V | V | x | 574 | 20/22 | x | V | x |
| 445 | 20/22 | $\checkmark$ | x | x | 513 | 20/22 | $\checkmark$ | V | x | 575 | 20/22 | x | V | x |
| 446 | 20/22 | V | x | x | 514 | 20/22 | V | V | x | 576 | 20/22 | V | V | x |
| 448 | 20/22 | $\checkmark$ | x | x | 515 | 20/22 | $\checkmark$ | x | x | 577 | 20/22 | $\checkmark$ | x | x |
| 449 | 20/22 | $\checkmark$ | x | x | 516 | 20/22 | $\checkmark$ | V | x | 578 | 20/22 | x | V | x |
| 451 | 20/22 | $\checkmark$ | X | X | 517 | 20/22 | V | X | x | 579 | 20/22 | x | V | x |
| 452 | 20/22 | $\checkmark$ | x | x | 518 | 20/22 | $\checkmark$ | V | x | 580 | 20/22 | x | V | x |
| 456 | 20/22 | x | V | x | 519 | 20/22 | V | x | x | 581 | 20/22 | x | V | x |
| 457 | 20/22 | V | $\checkmark$ | x | 520 | 20/22 | $\checkmark$ | X | x | 584 | 20/22 | x | V | x |
| 458 | 20/22 | x | x | V | 521 | 20/22 | $\checkmark$ | V | x | 585 | 20/22 | x | V | V |
| 459 | 20/22 | x | $\checkmark$ | x | 522 | 20/22 | V | $\checkmark$ | x | 590 | 20/22 | X | V | x |
| 460 | 20/22 | $\checkmark$ | x | x | 523 | 20/22 | $\checkmark$ | $\checkmark$ | X | 592 | 20/22 | $\checkmark$ | V | x |

UP - Unpierced
P - Pierced PP - Double Pierced

| Code | Gauge | UP | P | PP | Code | Gauge | UP | P | PP | Code | Gauge | UP | P | PP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 593 | 20/22 | $\checkmark$ | V | x | 664 | 20/22 | V | x | x | 732 | 20/22 | x | V | X |
| 594 | 20/22 | x | V | x | 665 | 20/22 | $\checkmark$ | V | x | 733 | 20/22 | x | V | x |
| 595 | 20/22 | $\checkmark$ | x | x | 666 | 20/22 | $\checkmark$ | $\checkmark$ | x | 734 | 20/22 | x | $\checkmark$ | x |
| 596 | 20/22 | V | x | x | 668 | 20/22 | $\checkmark$ | X | X | 735 | 20/22 | X | $\checkmark$ | X |
| 597 | 20/22 | V | X | x | 669 | 20/22 | V | X | X | 736 | 20/22 | V | x | x |
| 599 | 20 | x | V | x | 670 | 20/22 | V | x | x | 737 | 20/22 | $\checkmark$ | x | x |
| 601 | 20/22 | V | x | x | 671 | 20/22 | $\checkmark$ | x | x | 738 | 20/22 | V | x | x |
| 602 | 20/22 | $\checkmark$ | x | x | 672 | 20/22 | $\checkmark$ | x | x | 739 | 20/22 | V | X | X |
| 603 | 20/22 | V | V | x | 673 | 20/22 | $\checkmark$ | V | x | 740 | 20/22 | $\checkmark$ | $\checkmark$ | V |
| 604 | 20/22 | X | V | x | 674 | 20/22 | $\checkmark$ | $\checkmark$ | x | 741 | 20/22 | V | $\checkmark$ | x |
| 605 | 20/22 | x | V | x | 675 | 20/22 | V | x | x | 742 | 20/22 | $\checkmark$ | V | x |
| 606 | 20/22 | V | V | x | 676 | 20/22 | V | V | x | 743 | 20/22 | x | V | X |
| 607 | 20/22 | $\checkmark$ | V | x | 678 | 20 | $\checkmark$ | x | x | 744 | 20/22 | x | $\checkmark$ | x |
| 608 | 20/22 | $\checkmark$ | V | x | 679 | 20 | V | X | X | 745 | 20/22 | x | V | x |
| 609 | 20/22 | V | V | x | 680 | 20/22 | x | V | X | 746 | 20/22 | X | V | x |
| 610 | 20/22 | x | x | $\checkmark$ | 681 | 20/22 | x | V | x | 747 | 20/22 | V | V | x |
| 612 | 20/22 | $\checkmark$ | x | x | 682 | 20/22 | x | V | x | 750 | 20/22 | $\checkmark$ | V | x |
| 613 | 20/22 | X | V | x | 683 | 20/22 | X | $\checkmark$ | x | 751 | 20/22 | V | $\checkmark$ | x |
| 614 | 20/22 | X | V | x | 684 | 20/22 | V | V | X | 753 | 20/22 | x | $\checkmark$ | x |
| 615 | 20/22 | x | V | x | 685 | 20/22 | X | V | x | 754 | 20/22 | x | $\checkmark$ | x |
| 616 | 20/22 | x | V | x | 687 | 20/22 | V | $\checkmark$ | x | 755 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 617 | 20/22 | $\checkmark$ | V | x | 688 | 20/22 | $\checkmark$ | x | x | 756 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 618 | 20/22 | x | $\checkmark$ | x | 689 | 20/22 | $\checkmark$ | V | x | 757 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 621 | 20 | $\checkmark$ | x | x | 690 | 20/22 | $\checkmark$ | V | x | 758 | 20/22 | $\checkmark$ | x | x |
| 622 | 20 | x | V | x | 693 | 20/22 | V | V | x | 759 | 20/22 | x | V | x |
| 623 | 20 | $\checkmark$ | x | x | 694 | 20/22 | $\checkmark$ | x | x | 760 | 20/22 | x | V | x |
| 624 | 20 | X | V | x | 695 | 20/22 | $\checkmark$ | X | X | 761 | 20/22 | x | V | x |
| 625 | 20 | x | V | x | 696 | 20/22 | $\checkmark$ | x | x | 762 | 20/22 | x | $\checkmark$ | x |
| 632 | 20/22 | V | x | x | 697 | 20/22 | $\checkmark$ | x | x | 763 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 633 | 20/22 | $\checkmark$ | V | x | 698 | 20/22 | $\checkmark$ | x | x | 764 | 20/22 | x | $\checkmark$ | x |
| 634 | 20/22 | V | x | x | 699 | 20/22 | $\checkmark$ | x | x | 765 | 20/22 | $\checkmark$ | X | x |
| 635 | 20/22 | V | V | x | 700 | 20/22 | V | x | x | 766 | 20/22 | $\checkmark$ | x | x |
| 636 | 20/22 | V | x | x | 701 | 20/22 | $\checkmark$ | V | x | 767 | 20/22 | x | V | x |
| 638 | 20/22 | V | V | x | 702 | 20/22 | V | V | x | 770 | 20/22 | x | V | x |
| 639 | 20/22 | V | V | x | 703 | 20/22 | V | V | x | 771 | 20/22 | x | x | V |
| 640 | 20/22 | V | x | x | 704 | 20/22 | V | V | x | 772 | 20/22 | x | V | x |
| 641 | 20/22 | V | V | x | 705 | 20/22 | V | $\checkmark$ | x | 773 | 20/22 | x | x | $\checkmark$ |
| 642 | 20/22 | V | x | x | 706 | 20/22 | $\checkmark$ | $\checkmark$ | x | 774 | 20/22 | x | V | x |
| 643 | 20/22 | $\checkmark$ | x | x | 707 | 20/22 | V | x | x | 775 | 20/22 | x | x | V |
| 644 | 20/22 | V | x | x | 709 | 20/22 | x | V | x | 776 | 20/22 | X | V | x |
| 645 | 20/22 | $\checkmark$ | x | x | 710 | 20/22 | V | V | x | 777 | 20 | $\checkmark$ | x | x |
| 646 | 20/22 | V | x | x | 711 | 20/22 | $\checkmark$ | V | x | 778 | 20/22 | x | V | x |
| 647 | 20/22 | V | x | x | 712 | 20/22 | V | V | x | 779 | 20/22 | x | V | x |
| 648 | 20/22 | V | x | x | 713 | 20/22 | $\checkmark$ | V | x | 780 | 20/22 | $\checkmark$ | x | x |
| 649 | 20/22 | $\checkmark$ | x | x | 715 | 20/22 | x | $\checkmark$ | x | 781 | 20/22 | $\checkmark$ | x | x |
| 650 | 20/22 | $\checkmark$ | x | x | 717 | 20/22 | x | $\checkmark$ | x | 782 | 20/22 | $\checkmark$ | x | x |
| 651 | 20/22 | $\checkmark$ | x | x | 718 | 20/22 | V | x | x | 783 | 20/22 | $\checkmark$ | x | x |
| 652 | 20/22 | $\checkmark$ | x | x | 719 | 20/22 | $\checkmark$ | X | x | 784 | 20/22 | x | V | x |
| 653 | 20/22 | $\checkmark$ | V | x | 721 | 20/22 | $\checkmark$ | V | x | 785 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 654 | 20/22 | $\checkmark$ | V | x | 722 | 20/22 | $\checkmark$ | V | x | 786 | 20/22 | $\checkmark$ | V | x |
| 655 | 20/22 | $\checkmark$ | V | x | 723 | 20/22 | $\checkmark$ | V | x | 787 | 20/22 | $\checkmark$ | V | x |
| 656 | 20/22 | V | V | x | 724 | 20/22 | $\checkmark$ | V | x | 788 | 20/22 | x | $\checkmark$ | x |
| 657 | 20/22 | $\checkmark$ | V | x | 725 | 20/22 | $\checkmark$ | $\checkmark$ | x | 789 | 20/22 | $\checkmark$ | X | x |
| 658 | 20/22 | V | V | x | 726 | 20/22 | $\checkmark$ | $\checkmark$ | x | 800 | 20/22 | $\checkmark$ | V | x |
| 659 | 20/22 | $\checkmark$ | V | x | 727 | 20/22 | $\checkmark$ | x | x | 801 | 20/22 | $\checkmark$ | V | x |
| 660 | 20/22 | $\checkmark$ | x | x | 728 | 20/22 | $\checkmark$ | V | x | 802 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 661 | 20/22 | $\checkmark$ | x | x | 729 | 20/22 | x | $\checkmark$ | x | 803 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 662 | 20/22 | $\checkmark$ | x | x | 730 | 20/22 | x | $\checkmark$ | x | 804 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 663 | 20/22 | $\checkmark$ | V | x | 731 | 20/22 | x | V | x | 805 | 20/22 | x | V | x |

UP - Unpierced
P-Pierced
PP - Double Pierced
Code Gauge UP P PP Code Gauge UP P PP Code Gauge UP P PP

| 806 | 20/22 | $\checkmark$ | $\checkmark$ | X |
| :---: | :---: | :---: | :---: | :---: |
| 807 | 20/22 | V | V | x |
| 808 | 20/22 | x | V | x |
| 809 | 20/22 | $\checkmark$ | V | x |
| 810 | 20/22 | x | V | x |
| 811 | 20/22 | x | V | x |
| 812 | 20/22 | x | $\checkmark$ | x |
| 813 | 20/22 | x | $\checkmark$ | x |
| 814 | 20/22 | x | V | x |
| 815 | 20/22 | x | V | x |
| 816 | 20/22 | x | $\checkmark$ | x |
| 817 | 20/22 | x | V | x |
| 818 | 20/22 | x | V | x |
| 819 | 20/22 | x | V | x |
| 820 | 20/22 | V | $\checkmark$ | x |
| 821 | 20/22 | V | V | x |
| 822 | 20/22 | V | V | x |
| 823 | 20/22 | x | V | x |
| 825 | 20/22 | x | V | x |
| 826 | 20/22 | x | V | x |
| 827 | 20/22 | x | V | x |
| 828 | 20/22 | x | V | x |
| 829 | 20/22 | x | $\checkmark$ | x |
| 830 | 20/22 | x | V | x |
| 831 | 20/22 | x | $\checkmark$ | x |
| 832 | 20/22 | x | V | x |
| 833 | 20/22 | x | V | x |
| 834 | 20/22 | V | V | x |
| 835 | 20/22 | x | V | x |
| 836 | 20/22 | x | $\checkmark$ | X |
| 837 | 20/22 | V | V | x |
| 838 | 20/22 | x | x | V |
| 839 | 20/22 | V | V | x |
| 840 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 841 | 20/22 | V | $\checkmark$ | V |
| 842 | 20/22 | x | $\checkmark$ | x |
| 843 | 20/22 | X | X | 4Ps |
| 844 | 20/22 | V | $\checkmark$ | V |
| 845 | 20 | x | x | $\checkmark$ |
| 846 | 20/22 | X | X | $\checkmark$ |
| 847 | 20/22 | V | x | x |
| 848 | 20/22 | $\checkmark$ | x | X |
| 849 | 20 | x | x | $\checkmark$ |
| 850 | 20 | X | x | V |
| 857 | 20/22 | x | $\checkmark$ | x |
| 858 | 20/22 | V | x | x |
| 859 | 20/22 | V | x | x |
| 861 | 20 | x | , | x |
| 862 | 20 | x | V | x |
| 863 | 20 | x | , | x |
| 865 | 20/22 | V | V | x |
| 866 | 20/22 | x | V | x |
| 867 | 20/22 | x | V | x |
| 868 | 20/22 | x | $\checkmark$ | X |
| 869 | 20/22 | x | x | V |
| 870 | 20/22 | x | X | V |
| 871 | 20/22 | x | $\checkmark$ | x |
| 872 | 20/22 | x | V | x |
| 874 | 20/22 | x | $\checkmark$ | x |


| 877 | 20 | x | V | x |
| :---: | :---: | :---: | :---: | :---: |
| 878 | 20/22 | V | $\checkmark$ | x |
| 879 | 20/22 | $\checkmark$ | $\checkmark$ | V |
| 880 | 20/22 | x | $\checkmark$ | x |
| 881 | 20/22 | V | $\checkmark$ | x |
| 882 | 20/22 | V | $\checkmark$ | x |
| 883 | 20/22 | V | $\checkmark$ | x |
| 884 | 20/22 | V | $\checkmark$ | x |
| 885 | 20/22 | V | $\checkmark$ | x |
| 886 | 20/22 | V | $\checkmark$ | x |
| 887 | 20/22 | V | $\checkmark$ | x |
| 888 | 20/22 | V | $\checkmark$ | x |
| 889 | 20/22 | V | $\checkmark$ | $\checkmark$ |
| 890 | 20/22 | V | $\checkmark$ | x |
| 891 | 20/22 | V | V | x |
| 892 | 20/22 | V | $\checkmark$ | x |
| 893 | 20/22 | V | $\checkmark$ | x |
| 894 | 20/22 | V | $\checkmark$ | x |
| 895 | 20/22 | V | $\checkmark$ | x |
| 896 | 20/22 | x | $\checkmark$ | x |
| 897 | 20/22 | X | $\checkmark$ | x |
| 898 | 20/22 | V | x | x |
| 899 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 900 | 20/22 | x | $\checkmark$ | x |
| 901 | 20/22 | x | $\checkmark$ | x |
| 902 | 20/22 | x | $\checkmark$ | x |
| 903 | 20/22 | X | $\checkmark$ | X |
| 904 | 20/22 | V | $\checkmark$ | $\checkmark$ |
| 905 | 20/22 | V | $\checkmark$ | $\checkmark$ |
| 906 | 20/22 | V | $\checkmark$ | $\checkmark$ |
| 907 | 20/22 | V | $\checkmark$ | $\checkmark$ |
| 908 | 20/22 | V | $\checkmark$ | $\checkmark$ |
| 909 | 20/22 | V | $\checkmark$ | $\checkmark$ |
| 910 | 20/22 | x | $\checkmark$ | $\checkmark$ |
| 911 | 20/22 | x | $\checkmark$ | x |
| 912 | 20/22 | X | $\checkmark$ | X |
| 913 | 20/22 | V | x | x |
| 914 | 20/22 | x | V | X |
| 915 | 20/22 | x | $\checkmark$ | X |
| 916 | 20/22 | x | $\checkmark$ | x |
| 917 | 20/22 | V | $\checkmark$ | $\checkmark$ |
| 918 | 20/22 | x | $\checkmark$ | $\checkmark$ |
| 919 | 20/22 | x | $\checkmark$ | x |
| 920 | 20/22 | x | $\checkmark$ | x |
| 921 | 20/22 | x | $\checkmark$ | x |
| 922 | 20/22 | V | x | x |
| 923 | 20/22 | V | x | x |
| 924 | 20/22 | V | x | x |
| 925 | 20/22 | V | x | x |
| 926 | 20/22 | V | x | x |
| 927 | 20/22 | V | x | x |
| 928 | 20/22 | V | V | x |
| 930 | 20/22 | V | x | x |
| 931 | 20/22 | V | x | x |
| 932 | 20/22 | V | x | X |
| 933 | 20/22 | V | x | x |
| 934 | 20/22 | V | $\checkmark$ | X |
| 935 | 20/22 | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| 936 | 20/22 | $\checkmark$ | $\checkmark$ | V |


| 937 | 20/22 | V | $\checkmark$ | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: |
| 938 | 20/22 | V | $\checkmark$ | $\checkmark$ |
| 939 | 20/22 | V | V | $\checkmark$ |
| 942 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 943 | 20/22 | V | $\checkmark$ | x |
| 944 | 20/22 | V | $\checkmark$ | x |
| 945 | 20/22 | V | $\checkmark$ | x |
| 946 | 20/22 | V | $\checkmark$ | x |
| 947 | 20/22 | V | $\checkmark$ | x |
| 948 | 20/22 | V | $\checkmark$ | x |
| 949 | 20/22 | V | $\checkmark$ | x |
| 950 | 20/22 | V | x | x |
| 951 | 20/22 | V | X | X |
| 952 | 20/22 | V | $\checkmark$ | $\checkmark$ |
| 953 | 20/22 | V | $\checkmark$ | x |
| 954 | 20/22 | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| 955 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 956 | 20/22 | V | $\checkmark$ | x |
| 957 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 958 | 20/22 | x | $\checkmark$ | x |
| 959 | 20/22 | V | $\checkmark$ | x |
| 960 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 961 | 20/22 | X | X | $\checkmark$ |
| 962 | 20/22 | V | $\checkmark$ | x |
| 963 | 20/22 | x | $\checkmark$ | x |
| 964 | 20/22 | V | x | X |
| 965 | 20/22 | V | $\checkmark$ | x |
| 966 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 967 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 969 | 20/22 | V | $\checkmark$ | x |
| 970 | 20/22 | V | V | x |
| 971 | 20/22 | V | x | x |
| 972 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 973 | 20/22 | x | $\checkmark$ | x |
| 974 | 20/22 | x | $\checkmark$ | x |
| 975 | 20/22 | x | $\checkmark$ | x |
| 976 | 20/22 | V | $\checkmark$ | x |
| 977 | 20/22 | V | $\checkmark$ | x |
| 978 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 979 | 20/22 | V | $\checkmark$ | x |
| 980 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 981 | 20/22 | V | $\checkmark$ | $\checkmark$ |
| 982 | 20/22 | V | $\checkmark$ | $\checkmark$ |
| 983 | 20/22 | V | $\checkmark$ | x |
| 984 | 20/22 | x | $\checkmark$ | x |
| 985 | 20/22 | x | $\checkmark$ | x |
| 986 | 20/22 | V | $\checkmark$ | x |
| 987 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 988 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 989 | 20/22 | x | $\checkmark$ | x |
| 990 | 20/22 | x | $\checkmark$ | x |
| 991 | 20/22 | $\checkmark$ | V | $\checkmark$ |
| 992 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 993 | 20/22 | $\checkmark$ | x | x |
| 994 | 20/22 | $\checkmark$ | V | x |
| 995 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 996 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 997 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 998 | 20/22 | $\checkmark$ | $\checkmark$ | x |
| 999 | 20/22 | V | $\checkmark$ | X |

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