

# SCOVILL

Great Designs Deserve Great Fasteners.



**Connect with Strength.**

**MILITARY AND TACTICAL**

**MADE IN THE USA**



AMERICAS

ASIA - PACIFIC

EUROPE

# CROSS REFERENCE

| NASM PART NO.    | DOT PART NO.   | DOT PART NO.         |
|------------------|----------------|----------------------|
| <b>MS27977</b>   | <b>Style 1</b> | <b>Lift-the-DOT™</b> |
| MS27977          | -1             | 90-XX-16205—2E       |
|                  | -1B            | 90-XX-16205—2B       |
|                  | -1N            | 90-XX-16205—2A       |
| MS27977          | -2             | 90-XX-16206—2E       |
|                  | -2B            | 90-XX-16206—2B       |
|                  | -2N            | 90-XX-16206—2A       |
| MS27977          | -3             | 90-BS-16506—2D       |
|                  | -3B            | 90-BS-16506—2C       |
|                  | -3N            | 90-BS-16506—2A       |
| MS27977          | -8             | 90-XB-16358—2E       |
|                  | -8B            | 90-XB-16358—2B       |
|                  | -8N            | 90-XB-16358—2A       |
| MS27977          | -10            | 90-BS-16509—2D       |
|                  | -10B           | 90-BS-16509—2C       |
|                  | -10N           | 90-BS-16509—2A       |
| MS27977          | -29B           | 90-XX-163624-2C      |
|                  | -29N           | 90-XX-163624-2A      |
| MS27977          | -30B           | 90-XX-163627-2C      |
|                  | -30N           | 90-XX-163627-2A      |
| MS27977          | -37B           | 90-XX-163634-2C      |
|                  | -37N           | 90-XX-163634-2A      |
| MS27977          | -38B           | 90-XX-163637-2C      |
|                  | -38N           | 90-XX-163637-2A      |
| MS27977          | -43B           | 90-XX-163664-2C      |
| MS27977          | -45B           | 90-XX-163674-2C      |
| MS27977          | -59N           | 90-XX-163604-2A      |
| MS27977          | -63B           | 90-BS-16349—2B       |
|                  | -63N           | 90-BS-16349—2A       |
| MS27977          | -65            | 90-BS-16501—2D       |
|                  | -65B           | 90-BS-16501—2C       |
|                  | -65N           | 90-BS-16501—2A       |
| <b>NASM27980</b> | <b>Style 2</b> | <b>Durable™</b>      |
| NASM27980        | -1             | 93-X2-10128—3E       |
|                  | -1B            | 93-X2-10128—3B       |
|                  | -1N            | 93-X2-10128—3A       |
| NASM27980        | -2             | 93-X2-10127—3E*      |
|                  | -2B            | 93-X2-10127—3B       |
|                  | -2N            | 93-X2-10127—3A       |
| NASM27980        | -6             | 93-XX-10224—3D       |
|                  | -6B            | 93-XX-10224—3C       |
|                  | -6N            | 93-XX-10224—3A       |
| NASM27980        | -7             | 93-BS-10370—3D       |
|                  | -7B            | 93-BS-10370—3C       |
|                  | -7N            | 93-BS-10370—3A       |
| NASM27980        | -8             | 93-BS-10412—3D       |
|                  | -8B            | 93-BS-10412—3C       |
|                  | -8N            | 93-BS-10412—3A       |

| NASM PART NO.    | DOT PART NO.    | DOT PART NO.            |
|------------------|-----------------|-------------------------|
| <b>NASM27980</b> | <b>Style 2</b>  | <b>Durable™ - cont.</b> |
| NASM27980        | -9              | 93-BS-10413—3D          |
|                  | -9B             | 93-BS-10413—3C          |
|                  | -9N             | 93-BS-10413—3A          |
| NASM27980        | -10             | 93-BS-10414—3D*         |
|                  | -10B            | 93-BS-10414—3C          |
|                  | -10N            | 93-BS-10414—3A          |
| NASM27980        | -11B            | 93-XX-107042-2C         |
|                  | -11N            | 93-XX-107042-2A         |
| NASM27980        | -12N            | 93-XX-107043-2A         |
| NASM27980        | -13B            | 93-XX-107044-2C         |
|                  | -13N            | 93-XX-107044-2A         |
| NASM27980        | -14B            | 93-XX-107047-2C         |
|                  | -14N            | 93-XX-107047-2A         |
| NASM27980        | -18B            | 93-XX-107087-2C         |
|                  | -18N            | 93-XX-107087-2A         |
| NASM27980        | -27             | 93-XB-10342—3D*         |
|                  | -27B            | 93-XB-10342—3C          |
|                  | -27N            | 93-XB-10342—3A          |
| <b>NASM27981</b> | <b>Style 2A</b> | <b>Baby Durable™</b>    |
| NASM27981        | -1              | 94-X2-12108—3E*         |
|                  | -1B             | 94-X2-12108—3B          |
|                  | -1N             | 94-X2-12108—3A          |
| NASM27981        | -2              | 94-X2-12126—3E*         |
|                  | -2B             | 94-X2-12126—3B          |
|                  | -2N             | 94-X2-12126—3A          |
| NASM27981        | -3              | 94-XX-12206—3D*         |
|                  | -3B             | 94-XX-12206—3C          |
|                  | -3N             | 94-XX-12206—3A          |
| NASM27981        | -4              | 94-BS-12303—3D*         |
|                  | -4B             | 94-BS-12303—3C          |
|                  | -4N             | 94-BS-12303—3A          |
| NASM27981        | -5              | 94-BS-12402—3D*         |
|                  | -5B             | 94-BS-12402—3C          |
|                  | -5N             | 94-BS-12402—3A          |
| NASM27981        | -6              | 94-BS-12404—3D          |
|                  | -6B             | 94-BS-12404—3C          |
|                  | -6N             | 94-BS-12404—3A          |
| <b>NASM27983</b> | <b>Style 4</b>  | <b>Pull-the-DOT™</b>    |
| NASM27983        | -1              | 92-XE-18100-A3B         |
|                  | -1N             | 92-XE-18100-A3A         |
| NASM27983        | -2              | 92-XX-18201—3C          |
|                  | -2N             | 92-XX-18201—3A          |
| NASM27983        | -3              | 92-BS-18303—3C          |
|                  | -3N             | 92-BS-18303—3A          |
| NASM27983        | -4              | 93-BS-10412—3C          |
|                  | -4N             | 93-BS-10412—3A          |

| NASM PART NO.                                  | DOT PART NO.   | DOT PART NO.          |
|------------------------------------------------|----------------|-----------------------|
| <b>NASM27984</b>                               | <b>Style 5</b> | <b>Segma™</b>         |
| NASM27984                                      | -1             | 95-BS-21154—3F        |
|                                                | -1B            | 95-BS-21154—3B        |
|                                                | -1N            | 95-BS-21154—3A        |
| NASM27984                                      | -3             | 95-BS-22201—3D        |
|                                                | -3B            | 95-BS-22201—3C        |
|                                                | -3N            | 95-BS-22201—3A        |
| NASM27984                                      | -4             | 95-BS-22321—3D        |
|                                                | -4B            | 95-BS-22321—3C        |
|                                                | -4N            | 95-BS-22321—3A        |
| NASM27984                                      | -6             | 95-BS-22401—3D        |
|                                                | -6B            | 95-BS-22401—3C        |
|                                                | -6N            | 95-BS-22401—3A        |
| NASM27984                                      | -8             | 95-BS-22402—3D        |
|                                                | -8B            | 95-BS-22402—3C        |
|                                                | -8N            | 95-BS-22402—3A        |
| <b>NASM27986</b>                               | <b>Style 7</b> | <b>Speedy Rivets™</b> |
| NASM27986                                      | -1             | 95-BS-21409—3D        |
|                                                | -1B            | 95-BS-21409—3C        |
|                                                | -1N            | 95-BS-21409—3A        |
| NASM27986                                      | -2             | 95-BS-99884—3E        |
|                                                | -2B            | 95-BS-99884—3B        |
|                                                | -2N            | 95-BS-99884—3A        |
| NASM27986                                      | -3             | 95-BS-22405—3D        |
|                                                | -3B            | 95-BS-22405—3C        |
|                                                | -3N            | 95-BS-22405—3A        |
| NASM27986                                      | -4             | 95-BS-99972—3E        |
|                                                | -4B            | 95-BS-99972—3B        |
|                                                | -4N            | 95-BS-99972—3A        |
| <b>BNAX Army Ordnance (For Reference Only)</b> |                |                       |
| 549177                                         |                | 91-XB-78332—2G*       |
| 549219                                         |                | 91-XB-78333—2G*       |
| 549221                                         |                | 91-XB-78322—2G*       |
| 549220                                         |                | 91-XB-78323—2G*       |
| 549200                                         |                | 91-XB-783247-2A*      |
| 549201                                         |                | 91-XB-783257-2A*      |
| 583244                                         |                | 91-XX-783157-2G*      |
| 8359954                                        |                | 91-XB-78317—2G*       |
| 10921894                                       |                | 91-XB-78318—2G*       |
| 426687                                         |                | 91-BS-78403—2G*       |
| 426688                                         |                | 91-BS-78404—2G*       |
| 426686                                         |                | 91-BS-78505—2C*       |
| 7697418                                        |                | 91-BS-78502—2C*       |
| 549222                                         |                | 91-BS-78507—2C*       |

## COLOR GUIDE†

### Military Enamels



**Tan 499**  
9053



**Tan 500**  
9064



**Coyote 498**  
9056



**Foliage 504**  
9042



**Camo Green 483**  
9071



## DOT® Products Perform Under Pressure...

Scovill's DOT® products are renowned within the military for quality, durability, strength and performance. Our DOT products conform to stringent US Military and Commercial specifications (Mil-DTL-10884H), are Berry Amendment compliant (USC, Title 10, Section 2533a), can be identified by our registered CAGE Code and are proudly made in the USA. No matter the application, Scovill understands that every fastener or component must perform consistently under pressure.

### Applications

- Uniforms
- Protective Gear
- Ammunition Packs
- Ground Cover
- Helmets
- Eyewear
- Holsters



**Learn more about our full range of DOT® products.**

**Contact your Scovill Sales Representative today to request a sample and quote.  
Visit [scovill.com](http://scovill.com) or call 1-888-726-8455.**

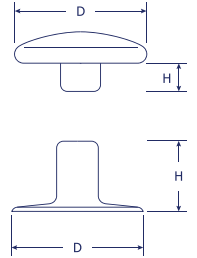
**MADE IN THE USA**



# Durable™ NASM27980, Style 2

These snap fasteners are ideal when superior snap action and holding strength are crucial. Durable™ fasteners feature a heavy-duty construction to ensure a firm grip that remains secure through years of use in even the toughest environments.

| CAPS                                                                                                                                                                            | SOCKETS                                                                                                                                                 | STUDS                                                                                                                                                    | POSTS                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>93-10112</b><br/>D: .600/15.24mm<br/>H: .315/8.00mm<br/>X2</p>                          |  <p><b>93-10224</b><br/>Normal Action<br/>XB</p>                       |  <p><b>NASM27980-7B</b><br/><b>93-10370</b><br/>Standard<br/>BS</p>     |  <p><b>NASM27980-8B</b><br/><b>93-10412</b><br/>D: .565/14.35mm<br/>H: .240/6.09mm<br/>BS</p>   |
|  <p><b>NASM27980-1B</b><br/><b>93-10128</b><br/>D: .600/15.24mm<br/>H: .185/4.69mm<br/>X2</p>  |  <p><b>NASM27980-6B</b><br/><b>93-10224</b><br/>Hard Action<br/>XX</p> |  <p><b>93-10379</b><br/>Deep Shelf<br/>BS</p>                           |  <p><b>NASM27980-9B</b><br/><b>93-10413</b><br/>D: .565/14.35mm<br/>H: .295/7.49mm<br/>BS</p>   |
|  <p><b>NASM27980-2B</b><br/><b>93-10127</b><br/>D: .600/15.24mm<br/>H: .242/6.14mm<br/>X2</p> |                                                                                                                                                         |  <p><b>NASM27980-27B</b><br/><b>93-10342</b><br/>Gypsy Stud<br/>XB</p> |  <p><b>NASM27980-10B</b><br/><b>93-10414</b><br/>D: .565/14.35mm<br/>H: .370/9.39mm<br/>BS</p> |
|  <p><b>93-10150</b><br/><b>Mariner™</b><br/>D: .605/15.36mm<br/>H: .201/5.10mm<br/>XV</p>    |                                                                                                                                                         |  <p><b>93-10704</b><br/>XX, d</p>                                     |                                                                                                                                                                                    |
|                                                                                                                                                                                 |                                                                                                                                                         |  <p><b>93-10708</b><br/>XX, e</p>                                     |                                                                                                                                                                                    |
|                                                                                                                                                                                 |                                                                                                                                                         |  <p><b>93-10362</b><br/>XX, a</p>                                     |                                                                                                                                                                                    |



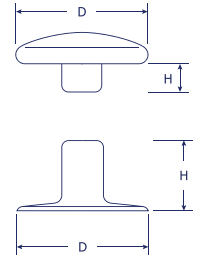
- BASE MATERIALS**
- BS All Brass
  - X2 All Brass
  - XB All Brass
  - XE All Brass
  - XV Brass/Plastic
  - XX Brass/Other
- SCREW TYPES**
- a #8-15 Self-Tapping
  - b #8-18 Self-Drilling
  - c #10-16 Self-Drilling
  - d #8-32 Machine
  - e #10-32 Machine
  - f #7 Wood Screw
  - g #8-18 Self-Tapping
  - h #8 Wood Screw
  - i #12-14 Self-Tapping
  - J #10-16 Self-Tapping



# Baby Durable™ NASM27981, Style 2A

Baby Durable™ is an intermediate sized snap fastener that provides firm snap action and strong holding power without being visually prominent on heavy-duty products. The smaller size and strong snap action of this fastener allows for years of use in precise locations even in the most rugged environments.

| CAPS                                                                                                                                                                             | SOCKETS                                                                                                                                                 | STUDS                                                                                                                                                   | POSTS                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>94-12105</b><br/>D: .454/11.53mm<br/>H: .128/3.25mm<br/>XB</p>                           |  <p><b>94-12205</b><br/>Normal Action<br/>XB</p>                       |  <p><b>94-12302</b><br/>Narrow Flange<br/>BS</p>                       |  <p><b>NASM27981-5B</b><br/><b>94-12402</b><br/>D: .490/12.44mm<br/>H: .179/4.54mm<br/>BS</p> |
|  <p><b>NASM27981-1B</b><br/><b>94-12108</b><br/>D: .525/13.33mm<br/>H: .125/3.17mm<br/>X2</p>   |  <p><b>NASM27981-3B</b><br/><b>94-12206</b><br/>Hard Action<br/>XX</p> |  <p><b>NASM27981-4B</b><br/><b>94-12303</b><br/>Wide Flange<br/>BS</p> |  <p><b>NASM27981-6B</b><br/><b>94-12404</b><br/>D: .490/12.44mm<br/>H: .229/5.81mm<br/>BS</p> |
|  <p><b>NASM27981-2B</b><br/><b>94-12126</b><br/>D: .525/13.33mm<br/>H: .185/4.69mm<br/>X2</p> |                                                                                                                                                         |                                                                                                                                                         |  <p><b>94-12405</b><br/>D: .424/10.76mm<br/>H: .229/5.81mm<br/>BS</p>                       |
|                                                                                                                                                                                  |                                                                                                                                                         |                                                                                                                                                         |  <p><b>94-12407</b><br/>D: .424/10.76mm<br/>H: .179/4.54mm<br/>BS</p>                       |



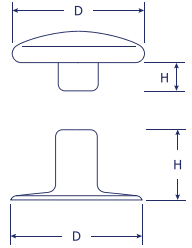
**BASE MATERIALS**  
 BS All Brass  
 X2 All Brass  
 XB All Brass  
 XE All Brass  
 XV Brass/Plastic  
 XX Brass/Other



# Pull-the-DOT® NASM27983, Style 4


This heavy-duty, one-way fastener withstands extreme pressure from three sides without unlocking and is constructed of rust-resistant brass. Pull-the-DOT® has a well-earned reputation for performing in harsh environments and can be attached with semi-automatic machines.

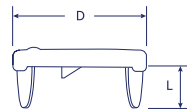
| CAPS                                                                                                                                                                          | SOCKETS                                                                                                                                                | STUDS                                                                                                                                  | POSTS                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>NASM27983-1</b><br/><b>92-18100</b><br/>D: .598/15.18mm<br/>H: .166/4.21mm<br/>XE</p> |  <p><b>92-18201</b><br/>Normal Action<br/>XB</p>                      |  <p><b>NASM27983-3</b><br/><b>92-18303</b><br/>BS</p> |  <p><b>NASM27983-4</b><br/><b>93-10412</b><br/>D: .565/14.35mm<br/>H: .240/6.09mm<br/>BS</p> |
|  <p><b>92-18103</b><br/>D: .598/15.18mm<br/>H: .226/5.74mm<br/>XE</p>                        |  <p><b>NASM27983-2</b><br/><b>92-18201</b><br/>Hard Action<br/>XX</p> |                                                                                                                                        |  <p><b>93-10413</b><br/>D: .565/14.35mm<br/>H: .295/7.49mm<br/>BS</p>                        |




# Lift-the-DOT® MS27977, Style 1

Strong and heavy-duty, Lift-the-DOT® fasteners lock on three sides and are opened by lifting the fourth side. Rust-resistant, they are constructed of brass or other non-ferrous metals to ensure that this fastener can withstand the most difficult conditions.

| SOCKETS                                                                                                                                                    | BACK PLATES                                                                                                                             | STUDS                                                                                                                                    | WASHERS                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>MS27977-1B</b><br/><b>90-16205</b><br/>H: .205/5.20mm<br/>XX</p> |  <p><b>MS27977-3B</b><br/><b>90-16506</b><br/>BS</p> |  <p><b>MS27977-63B</b><br/><b>90-16349</b><br/>BS</p> |  <p><b>MS27977-65B</b><br/><b>90-16501</b><br/>BS</p> |
|  <p><b>MS27977-2B</b><br/><b>90-16206</b><br/>H: .261/6.62mm<br/>XX</p> |                                                                                                                                         |  <p><b>MS27977-8B</b><br/><b>90-16358</b><br/>XB</p>  |  <p><b>MS27977-10B</b><br/><b>90-16509</b><br/>BS</p> |



**SCREW STUDS**




**90-16362**  
XX, d

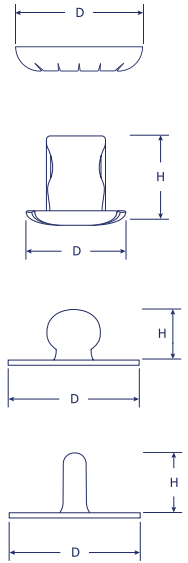
- BASE MATERIALS**
- BS All Brass
  - X2 All Brass
  - XB All Brass
  - XE All Brass
  - XV Brass/Plastic
  - XX Brass/Other
- SCREW TYPES**
- a #8-15 Self-Tapping
  - b #8-18 Self-Drilling
  - c #10-16 Self-Drilling
  - d #8-32 Machine
  - e #10-32 Machine
  - f #7 Wood Screw
  - g #8-18 Self-Tapping
  - h #8 Wood Screw
  - i #12-14 Self-Tapping
  - J #10-16 Self-Tapping



## Segma™ NASM27984, Style 5

This closure is ideally suited for light-duty applications and features a segmented socket that delivers consistent snap action and focused performance.

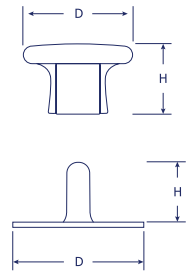
| CAPS                                                                                                                                                        | SOCKETS                                                                                                                                                                       | STUDS                                                                                                                                                                         | POSTS                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>NASM27984-1B</b><br/><b>95-21154</b><br/>D: .389/10.10mm<br/>BS</p> |  <p><b>NASM27984-3B</b><br/><b>95-22201</b><br/>D: .375/9.52mm<br/>H: .198/5.02mm<br/>BS</p> |  <p><b>NASM27984-4B</b><br/><b>95-22321</b><br/>D: .335/8.50mm<br/>H: .139/3.53mm<br/>BS</p> |  <p><b>NASM27984-6B</b><br/><b>95-22401</b><br/>D: .365/9.27mm<br/>H: .263/6.68mm<br/>BS</p> |
|                                                                                                                                                             |                                                                                                                                                                               |                                                                                                                                                                               |  <p><b>NASM27984-8B</b><br/><b>95-22402</b><br/>D: .363/9.22mm<br/>H: .337/8.55mm<br/>BS</p> |



## Speedy Rivets® NASM27986, Style 7

These rivets allow for a quick, reliable permanent closure on application material such as layers of leather, cloth and paper. Once attached, they create a tight, secure attachment that will resist rust.

| CAPS                                                                                                                                                         | POSTS                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>NASM27986-2B</b><br/><b>95-99884</b><br/>D: .285/7.23mm<br/>BS</p> |  <p><b>NASM27986-1B</b><br/><b>95-21409</b><br/>D: .325/8.25mm<br/>H: .288/7.31mm<br/>BS</p>  |
|  <p><b>NASM27986-4B</b><br/><b>95-99972</b><br/>D: .380/9.65mm<br/>BS</p> |  <p><b>NASM27986-3B</b><br/><b>95-22405</b><br/>D: .395/10.03mm<br/>H: .314/7.97mm<br/>BS</p> |



### BASE MATERIALS

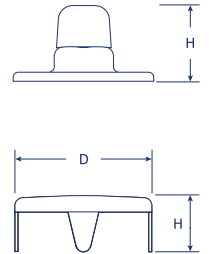
- BS All Brass
- X2 All Brass
- XB All Brass
- XE All Brass
- XV Brass/Plastic
- XX Brass/Other




# Common Sense<sup>®</sup>

These positive-locking fasteners never open accidentally. Each is assembled with a spring mechanism that holds the fastener under tension in the desired position until turned and released by hand. Dependable even in the most difficult environments, Common Sense<sup>®</sup> is available in a variety of turn button styles and may be used on hard and soft surface applications.

| TURN BUTTONS                                                                      |                                                                                     | WASHERS                                                                           | GROMMETS                                                                            |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |    |  |  |
| <b>91-78322</b><br>H: .680/17.27mm<br>XB                                          | <b>91-78315</b><br>H: .790/20.06mm<br>XX, i                                         | <b>91-78505</b><br>BS                                                             | <b>91-78403</b><br>H: .335/8.50mm<br>BS                                             |
|  |    |                                                                                   |  |
| <b>91-78323</b><br>H: .790/20.06mm<br>XB                                          | <b>91-78324</b><br>H: .810/20.57mm<br>XB, f                                         |                                                                                   | <b>91-78404</b><br>H: .395/10.03mm<br>BS                                            |
|                                                                                   |  |                                                                                   |                                                                                     |
|                                                                                   | <b>91-78325</b><br>H: .900/22.86mm<br>XB, f                                         |                                                                                   |                                                                                     |





| TURN BUTTONS                                                                        |                                                                                     | BACK PLATES                                                                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |  |
| <b>91-78317</b><br>H: .805/20.44mm<br>XB                                            | <b>91-78318</b><br>H: .870/22.09mm<br>XB                                            | <b>91-78502</b><br>BS                                                                |
|  |  |  |
| <b>91-78332</b><br>H: .724/18.38mm<br>XB                                            | <b>91-78333</b><br>H: .838/21.28mm<br>XB                                            | <b>91-78507</b><br>BS                                                                |

- BASE MATERIALS**
- BS All Brass
  - X2 All Brass
  - XB All Brass
  - XE All Brass
  - XV Brass/Plastic
  - XX Brass/Other
- SCREW TYPES**
- a #8-15 Self-Tapping
  - b #8-18 Self-Drilling
  - c #10-16 Self-Drilling
  - d #8-32 Machine
  - e #10-32 Machine
  - f #7 Wood Screw
  - g #8-18 Self-Tapping
  - h #8 Wood Screw
  - i #12-14 Self-Tapping
  - J #10-16 Self-Tapping





# DOT® Grommets and Washers



**Sheet Metal Grommets** may be used interchangeably with Plain or Tooth Washers. **Plain Washers** are used as basic reinforcement to provide support for the grommet setting. **Tooth Washers** provide a firmer, tighter grip, particularly when used on woven material. **Rolled Rim Grommets** and **Spur Washers** are known for robust construction with a unique design of interlocking teeth that provides premium security for the most rigorous applications.


| Sheet Metal Grommet                           |          | Plain Washer |       |      |           |
|-----------------------------------------------|----------|--------------|-------|------|-----------|
| <b>SHEET METAL GROMMETS NASM20230, Type I</b> |          |              |       |      |           |
| SIZE                                          | PART NO. | ID           | OD    | LUF  | HOLE SIZE |
| #00                                           | 20-10900 | .176         | .425  | .135 | 3/16      |
| #0                                            | 20-00900 | .240         | .545  | .175 | 1/4       |
| #1                                            | 20-00901 | .286         | .687  | .185 | 9/32      |
| #2                                            | 20-00902 | .362         | .815  | .215 | 3/8       |
| #3                                            | 20-00903 | .433         | .970  | .295 | 7/16      |
| #4                                            | 20-00904 | .486         | 1.050 | .374 | 1/2       |
| #5                                            | 20-00905 | .594         | 1.220 | .330 | 5/8       |
| <b>ASSEMBLED WITH PLAIN WASHERS</b>           |          |              |       |      |           |
| SIZE                                          | PART NO. | ID           | OD    |      |           |
| #00                                           | 20-10800 | .218         | .460  |      |           |
| #0                                            | 20-00800 | .285         | .546  |      |           |
| #1                                            | 20-00801 | .359         | .700  |      |           |
| #2                                            | 20-00802 | .453         | .835  |      |           |
| #3                                            | 20-00803 | .530         | .955  |      |           |
| #4                                            | 20-00804 | .585         | 1.064 |      |           |
| #5                                            | 20-00805 | .740         | 1.205 |      |           |



| Rolled Rim Grommet                             |          | Spur Washer |       |      |           |
|------------------------------------------------|----------|-------------|-------|------|-----------|
| <b>ROLLED RIM GROMMETS NASM20230, TYPE III</b> |          |             |       |      |           |
| SIZE                                           | PART NO. | ID          | OD    | LUF  | HOLE SIZE |
| #0                                             | 20-00990 | .270        | .670  | .175 | 9/32      |
| #1                                             | 20-00991 | .380        | .790  | .210 | 3/8       |
| #2                                             | 20-00992 | .425        | .890  | .245 | 7/16      |
| #3                                             | 20-00993 | .430        | .970  | .255 | 15/32     |
| #4                                             | 20-00994 | .560        | 1.120 | .325 | 9/16      |
| <b>ASSEMBLED WITH SPUR WASHERS</b>             |          |             |       |      |           |
| SIZE                                           | PART NO. | ID          | OD    |      |           |
| #0                                             | 20-00880 | .340        | .645  |      |           |
| #1                                             | 20-00881 | .455        | .790  |      |           |
| #2                                             | 20-00882 | .512        | .890  |      |           |
| #3                                             | 20-00883 | .537        | .970  |      |           |
| #4                                             | 20-00884 | .645        | 1.120 |      |           |

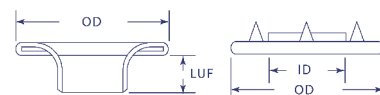
| Sheet Metal Grommet                              |          | Tooth Washer |       |      |           |
|--------------------------------------------------|----------|--------------|-------|------|-----------|
| <b>SHEET METAL GROMMETS NASM16491/1, TYPE II</b> |          |              |       |      |           |
| SIZE                                             | PART NO. | ID           | OD    | LUF  | HOLE SIZE |
| #2                                               | 20-00902 | .362         | .815  | .215 | 3/8       |
| #3                                               | 20-00903 | .433         | .970  | .295 | 7/16      |
| #4                                               | 20-00904 | .486         | 1.050 | .374 | 1/2       |
| <b>ASSEMBLED WITH TOOTH WASHERS</b>              |          |              |       |      |           |
| SIZE                                             | PART NO. | ID           | OD    |      |           |
| #2                                               | 20-008T2 | .468         | .840  |      |           |
| #3                                               | 20-008T3 | .545         | .945  |      |           |
| #4                                               | 20-008T4 | .604         | 1.050 |      |           |


| Eyelet ABE131                          |          | Eyelet BBE114 |      | Washer BBW101 |  |
|----------------------------------------|----------|---------------|------|---------------|--|
| <b>EYELETS AND WASHERS NASM20652/1</b> |          |               |      |               |  |
| SIZE                                   | PART NO. | ID            | OD   | LUF           |  |
| ABE131                                 | 26-10501 | .303          | .592 | .187          |  |
| BBE114                                 | 47-36685 | .176          | .403 | .143          |  |
| BBW101                                 | 47-36689 | .220          | .450 |               |  |

| Eyelet BBT307              |          | Washer BBT308 |      |      |  |
|----------------------------|----------|---------------|------|------|--|
| <b>EYELETS AND WASHERS</b> |          |               |      |      |  |
| SIZE                       | PART NO. | ID            | OD   | LUF  |  |
| BBT307*                    | 47-36619 | .174          | .403 | .210 |  |
| BBT308*                    | 47-36620 | .220          | .425 | .125 |  |





# PRESSES AND TOOLS – Grommets and Washers



## SEMI-AUTOMATIC FOOT PRESS Model 89-M200

- Safety rings
- Adjustable setting pressure
- Compensator unit
- Target light
- Adjustable Table Height 28–32"
- Throat Depth 4.5"
- Weight 200 lbs.



## HAND TOOLS

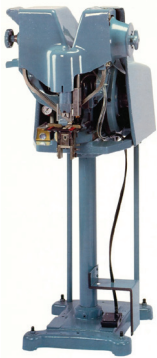
- Common Sense®  
Cutting Punch  
Part No. 89-450E



## SETTING TOOLS - GROMMETS AND WASHERS

| Size               | Part No. | Hand Tools | 89-M200<br>Machine Tools with<br>3/8" Shank Size |
|--------------------|----------|------------|--------------------------------------------------|
| <b>SHEET METAL</b> |          |            |                                                  |
| #00                | 20-10900 | 22-RHT00GR | 22-R16P00GR, 22-R116Y00GR                        |
| #0                 | 20-00900 | 22-RHT0GR  | 22-R16P0GR, 22-R116Y0GR                          |
| #1                 | 20-00901 | 22-RHT1GR  | 22-R16P1GR, 22-R116Y1GR                          |
| #2                 | 20-00902 | 22-RHT2GR  | 22-R16P2GR, 22-R116Y2GR                          |
| #3                 | 20-00903 | 22-RHT3GR  | 22-R16P3GR, 22-R116Y3GR                          |
| #4                 | 20-00904 | 22-RHT4GR  | 22-R16P4GR, 22-R116Y4GR                          |
| <b>ROLLED RIM</b>  |          |            |                                                  |
| #0                 | 20-00990 | 22-RHT0RR  | 22-R16P0RR, 22-R116Y0RR                          |
| #1                 | 20-00991 | 22-RHT1RR  | 22-R16P1RR, 22-R116Y1RR                          |
| #2                 | 20-00992 | 22-RHT2RR  | 22-R16P2RR, 22-R116Y2RR                          |
| #3                 | 20-00993 | 22-RHT3RR  | 22-R16P3RR, 22-R116Y3RR                          |
| #4                 | 20-00994 | 22-RHT4RR  | 22-R16P4RR, 22-R116Y4RR                          |
| <b>EYELETS</b>     |          |            |                                                  |
| ABE131             | 26-10501 |            | 22-R16M1KLON, 22-R116Y1KLON                      |
| BBE114             | 47-36685 |            | 22-R16P36685                                     |
| BBW101             | 47-36689 |            | 22-116YS6619                                     |

# AUTOMATIC ATTACHING EQUIPMENT



## SNAP FASTENERS AUTOMATIC ATTACHING MACHINE Model 7057

### FEATURES

- Full safety guards
- Optional target light
- Manual adjustable stand available
- Throat Depth 4.25"
- Floor Space 4.1 sq. ft.
- Weight 400 lbs.

### BENEFITS

- Fully automatic feeding
- High speed attachments
- Rugged and proven design
- Quiet operation
- Operator friendly



## GROMMETS AND WASHERS ATTACHING MACHINE Segal Pneumatic Grommet Machine – Model 4KGW

### FEATURES

- PLC controls for all functions
- Simplified machine recovery operation
- For use with Plain or Rolled Rim Grommets #0 to #4, and Neck, Tooth and Spur Washers
- Available with mobile base
- Requires 90–100psi compressed air supply
- Weight 380 lbs.

### BENEFITS

- Fully automatic feeding and hole punching for both grommet and washer
- Need to set timing eliminated by PLC controls
- PLC controls clean jams and shuttle washers
- Reduced number of parts as compared to mechanical machines



# SCOVILL

Great Designs Deserve Great Fasteners.

*Scovill Fasteners develops and manufactures a diverse range of high-performance fasteners for our apparel and industrial partners. Our customer-focused capabilities and global collaboration provide the highest level of service – from fastener design and delivery to application.*

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