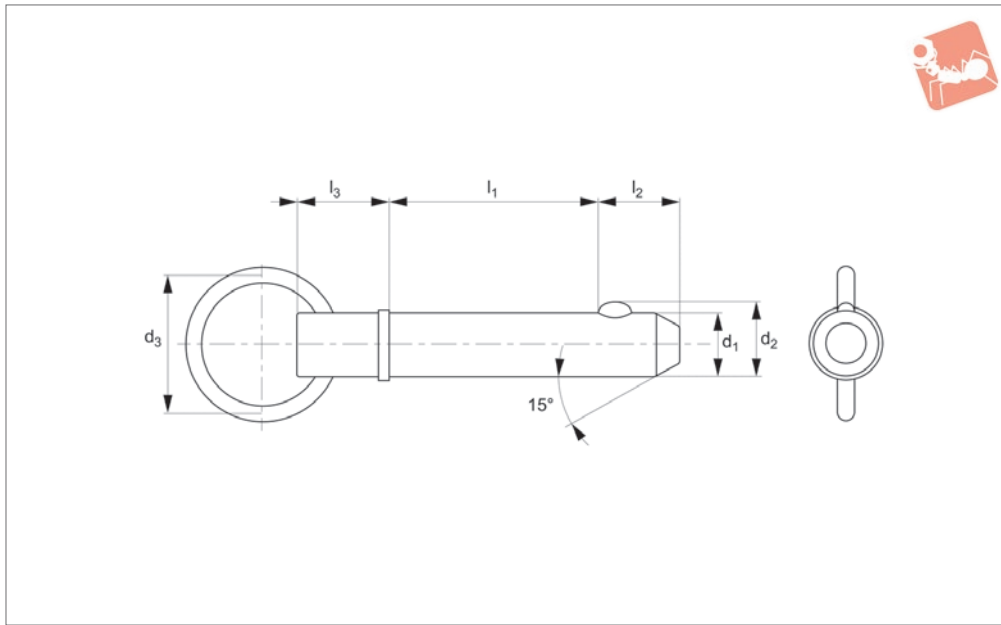




# Detent Pin - Ring Handle - Shoulder Steel

## Ball Lock Pins & Quick Release



### 33014

BALL LOCK PINS & QUICK RELEASE PINS

#### Material

Shaft: Carbon steel (C1144), zinc plated.  
Ball & spring: Stainless steel AISI 316.

#### Technical Notes

Detent pins are very economical for use in commercial and military equipment. The solid body with direct spring loaded

ball ensures reliable operation. Can be used for locking telescopic tubing, securing bracket assemblies, as anchor clevis fittings, hinge pins and as replacement for cotter pins where frequent removal is necessary. Hole sizes - commercial drills provide clear-

ance for our standard pins. Inch dimensions in brackets ( ).

#### Tips

Also available in stainless steel see part no. P.

| Order No.   | $d_1$<br>+0.00 -0.08 | $l_1$ grip<br>+1.50 -0.00 | $d_2$ | $d_3$ | $l_2$ | $l_3$ | Pull out strength<br>kg | Single shear strength<br>kN<br>min. |
|-------------|----------------------|---------------------------|-------|-------|-------|-------|-------------------------|-------------------------------------|
| 33014.W1803 | 4,76 (3/16")         | 7,62 (0,3")               | 5.18  | 25.4  | 5.08  | 17.45 | 1,9 - 2,3               | 10.8                                |
| 33014.W1805 | 4,76 (3/16")         | 12,7 (0,5")               | 5.18  | 25.4  | 5.08  | 17.45 | 1,9 - 2,3               | 10.8                                |
| 33014.W1810 | 4,76 (3/16")         | 25,4 (1")                 | 5.18  | 25.4  | 5.08  | 17.45 | 1,9 - 2,3               | 10.8                                |
| 33014.W1815 | 4,76 (3/16")         | 38,1 (1,5")               | 5.18  | 25.4  | 5.08  | 17.45 | 1,9 - 2,3               | 10.8                                |
| 33014.W1820 | 4,76 (3/16")         | 50,8 (2")                 | 5.18  | 25.4  | 5.08  | 17.45 | 1,9 - 2,3               | 10.8                                |
| 33014.W1825 | 4,76 (3/16")         | 63,5 (2,5")               | 5.18  | 25.4  | 5.08  | 17.45 | 1,9 - 2,3               | 10.8                                |
| 33014.W1830 | 4,76 (3/16")         | 76,2 (3")                 | 5.18  | 25.4  | 5.08  | 17.45 | 1,9 - 2,3               | 10.8                                |
| 33014.W1835 | 4,76 (3/16")         | 88,9 (3,5")               | 5.18  | 25.4  | 5.08  | 17.45 | 1,9 - 2,3               | 10.8                                |
| 33014.W1840 | 4,76 (3/16")         | 101,6 (4")                | 5.18  | 25.4  | 5.08  | 17.45 | 1,9 - 2,3               | 10.8                                |
| 33014.W2505 | 6,35 (1/4")          | 12,7 (0,5")               | 7.26  | 31.75 | 7.92  | 18.29 | 2,27 - 2,73             | 19.3                                |
| 33014.W2506 | 6,35 (1/4")          | 15,24 (0,6")              | 7.26  | 31.75 | 7.92  | 18.29 | 2,27 - 2,73             | 19.3                                |
| 33014.W2510 | 6,35 (1/4")          | 25,4 (1")                 | 7.26  | 31.75 | 7.92  | 18.29 | 2,27 - 2,73             | 19.3                                |
| 33014.W2515 | 6,35 (1/4")          | 38,1 (1,5")               | 7.26  | 31.75 | 7.92  | 18.29 | 2,27 - 2,73             | 19.3                                |
| 33014.W2520 | 6,35 (1/4")          | 50,8 (2")                 | 7.26  | 31.75 | 7.92  | 18.29 | 2,27 - 2,73             | 19.3                                |
| 33014.W2525 | 6,35 (1/4")          | 63,5 (2,5")               | 7.26  | 31.75 | 7.92  | 18.29 | 2,27 - 2,73             | 19.3                                |
| 33014.W2530 | 6,35 (1/4")          | 76,2 (3")                 | 7.26  | 31.75 | 7.92  | 18.29 | 2,27 - 2,73             | 19.3                                |
| 33014.W2535 | 6,35 (1/4")          | 88,9 (3,5")               | 7.26  | 31.75 | 7.92  | 18.29 | 2,27 - 2,73             | 19.3                                |
| 33014.W2540 | 6,35 (1/4")          | 101,6 (4")                | 7.26  | 31.75 | 7.92  | 18.29 | 2,27 - 2,73             | 19.3                                |
| 33014.W3105 | 7,94 (5/16")         | 12,7 (0,5")               | 9.09  | 31.75 | 9.53  | 19.05 | 2,27 - 2,73             | 30.0                                |
| 33014.W3110 | 7,94 (5/16")         | 25,4 (1")                 | 9.09  | 31.75 | 9.53  | 19.05 | 2,27 - 2,73             | 30.0                                |
| 33014.W3115 | 7,94 (5/16")         | 38,1 (1,5")               | 9.09  | 31.75 | 9.53  | 19.05 | 2,27 - 2,73             | 30.0                                |
| 33014.W3120 | 7,94 (5/16")         | 50,8 (2")                 | 9.09  | 31.75 | 9.53  | 19.05 | 2,27 - 2,73             | 30.0                                |
| 33014.W3125 | 7,94 (5/16")         | 63,5 (2,5")               | 9.09  | 31.75 | 9.53  | 19.05 | 2,27 - 2,73             | 30.0                                |
| 33014.W3130 | 7,94 (5/16")         | 76,2 (3")                 | 9.09  | 31.75 | 9.53  | 19.05 | 2,27 - 2,73             | 30.0                                |
| 33014.W3135 | 7,94 (5/16")         | 88,9 (3,5")               | 9.09  | 31.75 | 9.53  | 19.05 | 2,27 - 2,73             | 30.0                                |
| 33014.W3140 | 7,94 (5/16")         | 101,6 (4")                | 9.09  | 31.75 | 9.53  | 19.05 | 2,27 - 2,73             | 30.0                                |
| 33014.W3145 | 7,94 (5/16")         | 114,3 (4,5")              | 9.09  | 31.75 | 9.53  | 19.05 | 2,27 - 2,73             | 30.0                                |
| 33014.W3150 | 7,94 (5/16")         | 127 (5")                  | 9.09  | 31.75 | 9.53  | 19.05 | 2,27 - 2,73             | 30.0                                |
| 33014.W3705 | 9,53 (3,8")          | 12,7 (0,5")               | 10.82 | 44.45 | 12.7  | 19.05 | 3,63 - 4,54             | 43.3                                |



| Order No.   | d <sub>1</sub><br>+0.00 -0.08 | l <sub>1</sub> grip<br>+1.50 -0.00 | d <sub>2</sub> | d <sub>3</sub> | l <sub>2</sub> | l <sub>3</sub> | Pull out strength<br>kg | Single shear strength<br>kN<br>min. |
|-------------|-------------------------------|------------------------------------|----------------|----------------|----------------|----------------|-------------------------|-------------------------------------|
| 33014.W3706 | 9,53 (3,8")                   | 15,24 (0,6")                       | 10.82          | 44.45          | 12.7           | 19.05          | 3,63 - 4,54             | 43.3                                |
| 33014.W3710 | 9,53 (3,8")                   | 25,4 (1")                          | 10.82          | 44.45          | 12.7           | 19.05          | 3,63 - 4,54             | 43.3                                |
| 33014.W3715 | 9,53 (3,8")                   | 38,1 (1,5")                        | 10.82          | 44.45          | 12.7           | 19.05          | 3,63 - 4,54             | 43.3                                |
| 33014.W3718 | 9,53 (3,8")                   | 45,72 (1,8")                       | 10.82          | 44.45          | 12.7           | 19.05          | 3,63 - 4,54             | 43.3                                |
| 33014.W3720 | 9,53 (3,8")                   | 50,8 (2")                          | 10.82          | 44.45          | 12.7           | 19.05          | 3,63 - 4,54             | 43.3                                |
| 33014.W3725 | 9,53 (3,8")                   | 63,5 (2,5")                        | 10.82          | 44.45          | 12.7           | 19.05          | 3,63 - 4,54             | 43.3                                |
| 33014.W3730 | 9,53 (3,8")                   | 76,2 (3")                          | 10.82          | 44.45          | 12.7           | 19.05          | 3,63 - 4,54             | 43.3                                |
| 33014.W3735 | 9,53 (3,8")                   | 88,9 (3,5")                        | 10.82          | 44.45          | 12.7           | 19.05          | 3,63 - 4,54             | 43.3                                |
| 33014.W3740 | 9,53 (3,8")                   | 101,6 (4")                         | 10.82          | 44.45          | 12.7           | 19.05          | 3,63 - 4,54             | 43.3                                |
| 33014.W3745 | 9,53 (3,8")                   | 114,3 (4,5")                       | 10.82          | 44.45          | 12.7           | 19.05          | 3,63 - 4,54             | 43.3                                |
| 33014.W3750 | 9,53 (3,8")                   | 127 (5")                           | 10.82          | 44.45          | 12.7           | 19.05          | 3,63 - 4,54             | 43.3                                |
| 33014.W3755 | 9,53 (3,8")                   | 139,7 (5,5")                       | 10.82          | 44.45          | 12.7           | 19.05          | 3,63 - 4,54             | 43.3                                |
| 33014.W3760 | 9,53 (3,8")                   | 152,4 (6")                         | 10.82          | 44.45          | 12.7           | 19.05          | 3,63 - 4,54             | 43.3                                |
| 33014.W4305 | 11,11 (7,16")                 | 12,7 (0,5")                        | 12.6           | 44.45          | 14.27          | 24.13          | 4,09 - 5,45             | 58.9                                |
| 33014.W4310 | 11,11 (7,16")                 | 25,4 (1")                          | 12.6           | 44.45          | 14.27          | 24.13          | 4,09 - 5,45             | 58.9                                |
| 33014.W4315 | 11,11 (7,16")                 | 38,1 (1,5")                        | 12.6           | 44.45          | 14.27          | 24.13          | 4,09 - 5,45             | 58.9                                |
| 33014.W4320 | 11,11 (7,16")                 | 50,8 (2")                          | 12.6           | 44.45          | 14.27          | 24.13          | 4,09 - 5,45             | 58.9                                |
| 33014.W4325 | 11,11 (7,16")                 | 63,5 (2,5")                        | 12.6           | 44.45          | 14.27          | 24.13          | 4,09 - 5,45             | 58.9                                |
| 33014.W4330 | 11,11 (7,16")                 | 76,2 (3")                          | 12.6           | 44.45          | 14.27          | 24.13          | 4,09 - 5,45             | 58.9                                |
| 33014.W4335 | 11,11 (7,16")                 | 88,9 (3,5")                        | 12.6           | 44.45          | 14.27          | 24.13          | 4,09 - 5,45             | 58.9                                |
| 33014.W4340 | 11,11 (7,16")                 | 101,6 (4")                         | 12.6           | 44.45          | 14.27          | 24.13          | 4,09 - 5,45             | 58.9                                |
| 33014.W4345 | 11,11 (7,16")                 | 114,3 (4,5")                       | 12.6           | 44.45          | 14.27          | 24.13          | 4,09 - 5,45             | 58.9                                |
| 33014.W4350 | 11,11 (7,16")                 | 127 (5")                           | 12.6           | 44.45          | 14.27          | 24.13          | 4,09 - 5,45             | 58.9                                |
| 33014.W4355 | 11,11 (7,16")                 | 139,7 (5,5")                       | 12.6           | 44.45          | 14.27          | 24.13          | 4,09 - 5,45             | 58.9                                |
| 33014.W4360 | 11,11 (7,16")                 | 152,4 (6")                         | 12.6           | 44.45          | 14.27          | 24.13          | 4,09 - 5,45             | 58.9                                |
| 33014.W5005 | 12,7 (1/2")                   | 12,7 (0,5")                        | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5010 | 12,7 (1/2")                   | 25,4 (1")                          | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5013 | 12,7 (1/2")                   | 33,02 (1,3")                       | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5015 | 12,7 (1/2")                   | 38,1 (1,5")                        | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5020 | 12,7 (1/2")                   | 50,8 (2")                          | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5025 | 12,7 (1/2")                   | 63,5 (2,5")                        | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5035 | 12,7 (1/2")                   | 88,9 (3,5")                        | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5040 | 12,7 (1/2")                   | 101,6 (4")                         | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5045 | 12,7 (1/2")                   | 114,3 (4,5")                       | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5050 | 12,7 (1/2")                   | 127 (5")                           | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5055 | 12,7 (1/2")                   | 139,7 (5,5")                       | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5060 | 12,7 (1/2")                   | 152,4 (6")                         | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5065 | 12,7 (1/2")                   | 165,1 (6,5")                       | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5070 | 12,7 (1/2")                   | 177,8 (7")                         | 14.48          | 50.8           | 15.88          | 25.7           | 4,54 - 5,45             | 77.0                                |
| 33014.W5610 | 14,29 (9/16")                 | 25,4 (1")                          | 16.31          | 50.8           | 17.45          | 25.7           | 5,45 - 6,81             | 97.6                                |
| 33014.W5615 | 14,29 (9/16")                 | 38,1 (1,5")                        | 16.31          | 50.8           | 17.45          | 25.7           | 5,45 - 6,81             | 97.6                                |
| 33014.W5620 | 14,29 (9/16")                 | 50,8 (2")                          | 16.31          | 50.8           | 17.45          | 25.7           | 5,45 - 6,81             | 97.6                                |
| 33014.W5625 | 14,29 (9/16")                 | 63,5 (2,5")                        | 16.31          | 50.8           | 17.45          | 25.7           | 5,45 - 6,81             | 97.6                                |
| 33014.W5630 | 14,29 (9/16")                 | 76,2 (3")                          | 16.31          | 50.8           | 17.45          | 25.7           | 5,45 - 6,81             | 97.6                                |
| 33014.W5635 | 14,29 (9/16")                 | 88,9 (3,5")                        | 16.31          | 50.8           | 17.45          | 25.7           | 5,45 - 6,81             | 97.6                                |
| 33014.W5640 | 14,29 (9/16")                 | 101,6 (4")                         | 16.31          | 50.8           | 17.45          | 25.7           | 5,45 - 6,81             | 97.6                                |
| 33014.W5645 | 14,29 (9/16")                 | 114,3 (4,5")                       | 16.31          | 50.8           | 17.45          | 25.7           | 5,45 - 6,81             | 97.6                                |
| 33014.W5650 | 14,29 (9/16")                 | 127 (5")                           | 16.31          | 50.8           | 17.45          | 25.7           | 5,45 - 6,81             | 97.6                                |
| 33014.W5655 | 14,29 (9/16")                 | 139,7 (5,5")                       | 16.31          | 50.8           | 17.45          | 25.7           | 5,45 - 6,81             | 97.6                                |
| 33014.W5660 | 14,29 (9/16")                 | 152,4 (6")                         | 16.31          | 50.8           | 17.45          | 25.7           | 5,45 - 6,81             | 97.6                                |
| 33014.W5670 | 14,29 (9/16")                 | 177,8 (7")                         | 16.31          | 50.8           | 17.45          | 25.7           | 5,45 - 6,81             | 97.6                                |
| 33014.W6210 | 15,88 (5/8")                  | 25,4 (1")                          | 18.03          | 57.15          | 19.05          | 27.31          | 6,36 - 7,26             | 121.6                               |
| 33014.W6215 | 15,88 (5/8")                  | 38,1 (1,5")                        | 18.03          | 57.15          | 19.05          | 27.31          | 6,36 - 7,26             | 121.6                               |
| 33014.W6220 | 15,88 (5/8")                  | 50,8 (2")                          | 18.03          | 57.15          | 19.05          | 27.31          | 6,36 - 7,26             | 121.6                               |
| 33014.W6225 | 15,88 (5/8")                  | 63,5 (2,5")                        | 18.03          | 57.15          | 19.05          | 27.31          | 6,36 - 7,26             | 121.6                               |
| 33014.W6230 | 15,88 (5/8")                  | 76,2 (3")                          | 18.03          | 57.15          | 19.05          | 27.31          | 6,36 - 7,26             | 121.6                               |
| 33014.W6235 | 15,88 (5/8")                  | 88,9 (3,5")                        | 18.03          | 57.15          | 19.05          | 27.31          | 6,36 - 7,26             | 121.6                               |
| 33014.W6240 | 15,88 (5/8")                  | 101,6 (4")                         | 18.03          | 57.15          | 19.05          | 27.31          | 6,36 - 7,26             | 121.6                               |
| 33014.W6245 | 15,88 (5/8")                  | 114,3 (4,5")                       | 18.03          | 57.15          | 19.05          | 27.31          | 6,36 - 7,26             | 121.6                               |
| 33014.W6250 | 15,88 (5/8")                  | 127 (5")                           | 18.03          | 57.15          | 19.05          | 27.31          | 6,36 - 7,26             | 121.6                               |
| 33014.W6255 | 15,88 (5/8")                  | 139,7 (5,5")                       | 18.03          | 57.15          | 19.05          | 27.31          | 6,36 - 7,26             | 121.6                               |
| 33014.W6260 | 15,88 (5/8")                  | 152,4 (6")                         | 18.03          | 57.15          | 19.05          | 27.31          | 6,36 - 7,26             | 121.6                               |
| 33014.W6270 | 15,88 (5/8")                  | 177,8 (7")                         | 18.03          | 57.15          | 19.05          | 27.31          | 6,36 - 7,26             | 121.6                               |
| 33014.W6280 | 15,88 (5/8")                  | 203,2 (8")                         | 18.03          | 57.15          | 19.05          | 27.31          | 6,36 - 7,26             | 121.6                               |
| 33014.W7510 | 19,05 (3/4")                  | 25,4 (1")                          | 21.74          | 57.15          | 23.8           | 34.93          | 8,17 - 9,98             | 173.6                               |
| 33014.W7515 | 19,05 (3/4")                  | 38,1 (1,5")                        | 21.74          | 57.15          | 23.8           | 34.93          | 8,17 - 9,98             | 173.6                               |
| 33014.W7520 | 19,05 (3/4")                  | 50,8 (2")                          | 21.74          | 57.15          | 23.8           | 34.93          | 8,17 - 9,98             | 173.6                               |



# Detent Pin - Ring Handle - Shoulder Steel

## Ball Lock Pins & Quick Release



| Order No.   | d <sub>1</sub><br>+0.00 -0.08 | l <sub>1</sub> grip<br>+1.50 -0.00 | d <sub>2</sub> | d <sub>3</sub> | l <sub>2</sub> | l <sub>3</sub> | Pull out strength<br>kg | Single shear strength<br>kN<br>min. |
|-------------|-------------------------------|------------------------------------|----------------|----------------|----------------|----------------|-------------------------|-------------------------------------|
| 33014.W7525 | 19,05 (3/4")                  | 63,5 (2,5")                        | 21.74          | 57.15          | 23.8           | 34.93          | 8,17 - 9,98             | 173.6                               |
| 33014.W7530 | 19,05 (3/4")                  | 76,2 (3")                          | 21.74          | 57.15          | 23.8           | 34.93          | 8,17 - 9,98             | 173.6                               |
| 33014.W7535 | 19,05 (3/4")                  | 88,9 (3,5")                        | 21.74          | 57.15          | 23.8           | 34.93          | 8,17 - 9,98             | 173.6                               |
| 33014.W7540 | 19,05 (3/4")                  | 101,6 (4")                         | 21.74          | 57.15          | 23.8           | 34.93          | 8,17 - 9,98             | 173.6                               |
| 33014.W7545 | 19,05 (3/4")                  | 114,3 (4,5")                       | 21.74          | 57.15          | 23.8           | 34.93          | 8,17 - 9,98             | 173.6                               |
| 33014.W7550 | 19,05 (3/4")                  | 127 (5")                           | 21.74          | 57.15          | 23.8           | 34.93          | 8,17 - 9,98             | 173.6                               |
| 33014.W7555 | 19,05 (3/4")                  | 139,7 (5,5")                       | 21.74          | 57.15          | 23.8           | 34.93          | 8,17 - 9,98             | 173.6                               |
| 33014.W7560 | 19,05 (3/4")                  | 152,4 (6")                         | 21.74          | 57.15          | 23.8           | 34.93          | 8,17 - 9,98             | 173.6                               |
| 33014.W7570 | 19,05 (3/4")                  | 177,8 (7")                         | 21.74          | 57.15          | 23.8           | 34.93          | 8,17 - 9,98             | 173.6                               |
| 33014.W7580 | 19,05 (3/4")                  | 203,2 (8")                         | 21.74          | 57.15          | 23.8           | 34.93          | 8,17 - 9,98             | 173.6                               |
| 33014.W8810 | 22,23 (7/8")                  | 25,4 (1")                          | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W8815 | 22,23 (7/8")                  | 38,1 (1,5")                        | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W8820 | 22,23 (7/8")                  | 50,8 (2")                          | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W8825 | 22,23 (7/8")                  | 63,5 (2,5")                        | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W8830 | 22,23 (7/8")                  | 76,2 (3")                          | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W8835 | 22,23 (7/8")                  | 88,9 (3,5")                        | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W8840 | 22,23 (7/8")                  | 101,6 (4")                         | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W8845 | 22,23 (7/8")                  | 114,3 (4,5")                       | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W8850 | 22,23 (7/8")                  | 127 (5")                           | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W8855 | 22,23 (7/8")                  | 139,7 (5,5")                       | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W8860 | 22,23 (7/8")                  | 152,4 (6")                         | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W8865 | 22,23 (7/8")                  | 165,1 (6,5")                       | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W8870 | 22,23 (7/8")                  | 177,8 (7")                         | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W8880 | 22,23 (7/8")                  | 203,2 (8")                         | 25.3           | 63.5           | 25.4           | 38.1           | 12,71 - 14,07           | 239.4                               |
| 33014.W1010 | 25,4 (1")                     | 25,4 (1")                          | 28.96          | 39             | 31.75          | 38.1           | 15,88 - 18,15           | 312.3                               |
| 33014.W1015 | 25,4 (1")                     | 38,1 (1,5")                        | 28.96          | 39             | 31.75          | 38.1           | 15,88 - 18,15           | 312.3                               |
| 33014.W1020 | 25,4 (1")                     | 50,8 (2")                          | 28.96          | 39             | 31.75          | 38.1           | 15,88 - 18,15           | 312.3                               |
| 33014.W1025 | 25,4 (1")                     | 63,5 (2,5")                        | 28.96          | 39             | 31.75          | 38.1           | 15,88 - 18,15           | 312.3                               |
| 33014.W1030 | 25,4 (1")                     | 76,2 (3")                          | 28.96          | 39             | 31.75          | 38.1           | 15,88 - 18,15           | 312.3                               |
| 33014.W1035 | 25,4 (1")                     | 88,9 (3,5")                        | 28.96          | 39             | 31.75          | 38.1           | 15,88 - 18,15           | 312.3                               |
| 33014.W1040 | 25,4 (1")                     | 101,6 (4")                         | 28.96          | 39             | 31.75          | 38.1           | 15,88 - 18,15           | 312.3                               |
| 33014.W1045 | 25,4 (1")                     | 114,3 (4,5")                       | 28.96          | 39             | 31.75          | 38.1           | 15,88 - 18,15           | 312.3                               |
| 33014.W1050 | 25,4 (1")                     | 127 (5")                           | 28.96          | 39             | 31.75          | 38.1           | 15,88 - 18,15           | 312.3                               |
| 33014.W1055 | 25,4 (1")                     | 139,7 (5,5")                       | 28.96          | 39             | 31.75          | 38.1           | 15,88 - 18,15           | 312.3                               |
| 33014.W1060 | 25,4 (1")                     | 152,4 (6")                         | 28.96          | 39             | 31.75          | 38.1           | 15,88 - 18,15           | 312.3                               |
| 33014.W1070 | 25,4 (1")                     | 177,8 (7")                         | 28.96          | 39             | 31.75          | 38.1           | 15,88 - 18,15           | 312.3                               |
| 33014.W1080 | 25,4 (1")                     | 203,2 (8")                         | 28.96          | 39             | 31.75          | 38.1           | 15,88 - 18,15           | 312.3                               |

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