



### P1234

SPRING PINS

#### Material

Stainless steel (A2).

#### Technical Notes

To DIN 7343 (ISO 8750). These units have an expanded diameter slightly larger, than the hole for which they are designed, holding themselves in by radial tension on

the hole.

$l_1$  tolerances:-  
 1-10mm long  $\pm 0,25$   
 12-50mm long  $\pm 0,50$   
 over 50mm long  $\pm 0,75$ .

#### Tips

Consists of 2.25 coils of steel and have

swaged chamfers at each end.

Improves shock absorption, easy assembly. They are designed for plain drilled holes, but countersinking the holes makes insertion easier.

| Order No.     | $d_1$<br>nom. | $d_1$<br>min. | $d_1$<br>max. | Hole<br>min. | Hole<br>max. | $l_1$ | $l_2$ | $w_1$ | Double shear<br>kN |
|---------------|---------------|---------------|---------------|--------------|--------------|-------|-------|-------|--------------------|
| P1234.015-005 | 1.5           | 1.62          | 1.73          | 1.50         | 1.60         | 5     | 0.5   | 0.13  | 1.05               |
| P1234.015-006 | 1.5           | 1.62          | 1.73          | 1.50         | 1.60         | 6     | 0.5   | 0.13  | 1.05               |
| P1234.015-008 | 1.5           | 1.62          | 1.73          | 1.50         | 1.60         | 8     | 0.5   | 0.13  | 1.05               |
| P1234.015-010 | 1.5           | 1.62          | 1.73          | 1.50         | 1.60         | 10    | 0.5   | 0.13  | 1.05               |
| P1234.015-012 | 1.5           | 1.62          | 1.73          | 1.50         | 1.60         | 12    | 0.5   | 0.13  | 1.05               |
| P1234.015-014 | 1.5           | 1.62          | 1.73          | 1.50         | 1.60         | 14    | 0.5   | 0.13  | 1.05               |
| P1234.015-016 | 1.5           | 1.62          | 1.73          | 1.50         | 1.60         | 16    | 0.5   | 0.13  | 1.05               |
| P1234.020-006 | 2.0           | 2.13          | 2.25          | 1.99         | 2.10         | 6     | 0.7   | 0.17  | 1.9                |
| P1234.020-008 | 2.0           | 2.13          | 2.25          | 1.99         | 2.10         | 8     | 0.7   | 0.17  | 1.9                |
| P1234.020-010 | 2.0           | 2.13          | 2.25          | 1.99         | 2.10         | 10    | 0.7   | 0.17  | 1.9                |
| P1234.020-012 | 2.0           | 2.13          | 2.25          | 1.99         | 2.10         | 12    | 0.7   | 0.17  | 1.9                |
| P1234.020-014 | 2.0           | 2.13          | 2.25          | 1.99         | 2.10         | 14    | 0.7   | 0.17  | 1.9                |
| P1234.020-016 | 2.0           | 2.13          | 2.25          | 1.99         | 2.10         | 16    | 0.7   | 0.17  | 1.9                |
| P1234.020-018 | 2.0           | 2.13          | 2.25          | 1.99         | 2.10         | 18    | 0.7   | 0.17  | 1.9                |
| P1234.020-020 | 2.0           | 2.13          | 2.25          | 1.99         | 2.10         | 20    | 0.7   | 0.17  | 1.9                |
| P1234.025-008 | 2.5           | 2.65          | 2.78          | 2.49         | 2.60         | 8     | 0.8   | 0.21  | 2.9                |
| P1234.025-010 | 2.5           | 2.65          | 2.78          | 2.49         | 2.60         | 10    | 0.8   | 0.21  | 2.9                |
| P1234.025-012 | 2.5           | 2.65          | 2.78          | 2.49         | 2.60         | 12    | 0.8   | 0.21  | 2.9                |
| P1234.025-014 | 2.5           | 2.65          | 2.78          | 2.49         | 2.60         | 14    | 0.8   | 0.21  | 2.9                |
| P1234.025-016 | 2.5           | 2.65          | 2.78          | 2.49         | 2.60         | 16    | 0.8   | 0.21  | 2.9                |
| P1234.025-018 | 2.5           | 2.65          | 2.78          | 2.49         | 2.60         | 18    | 0.8   | 0.21  | 2.9                |
| P1234.025-020 | 2.5           | 2.65          | 2.78          | 2.49         | 2.60         | 20    | 0.8   | 0.21  | 2.9                |
| P1234.025-022 | 2.5           | 2.65          | 2.78          | 2.49         | 2.60         | 22    | 0.8   | 0.21  | 2.9                |
| P1234.025-024 | 2.5           | 2.65          | 2.78          | 2.49         | 2.60         | 24    | 0.8   | 0.21  | 2.9                |
| P1234.030-008 | 3.0           | 3.15          | 3.30          | 2.99         | 3.10         | 8     | 0.9   | 0.25  | 4.2                |
| P1234.030-010 | 3.0           | 3.15          | 3.30          | 2.99         | 3.10         | 10    | 0.9   | 0.25  | 4.2                |
| P1234.030-012 | 3.0           | 3.15          | 3.30          | 2.99         | 3.10         | 12    | 0.9   | 0.25  | 4.2                |
| P1234.030-014 | 3.0           | 3.15          | 3.30          | 2.99         | 3.10         | 14    | 0.9   | 0.25  | 4.2                |
| P1234.030-016 | 3.0           | 3.15          | 3.30          | 2.99         | 3.10         | 16    | 0.9   | 0.25  | 4.2                |
| P1234.030-018 | 3.0           | 3.15          | 3.30          | 2.99         | 3.10         | 18    | 0.9   | 0.25  | 4.2                |



| Order No.     | d <sub>1</sub><br>nom. | d <sub>1</sub><br>min. | d <sub>1</sub><br>max. | Hole<br>min. | Hole<br>max. | l <sub>1</sub> | l <sub>2</sub> | w <sub>1</sub> | Double shear<br>kN |
|---------------|------------------------|------------------------|------------------------|--------------|--------------|----------------|----------------|----------------|--------------------|
| P1234.030-020 | 3.0                    | 3.15                   | 3.30                   | 2.99         | 3.10         | 20             | 0.9            | 0.25           | 4.2                |
| P1234.030-022 | 3.0                    | 3.15                   | 3.30                   | 2.99         | 3.10         | 22             | 0.9            | 0.25           | 4.2                |
| P1234.030-024 | 3.0                    | 3.15                   | 3.30                   | 2.99         | 3.10         | 24             | 0.9            | 0.25           | 4.2                |
| P1234.030-026 | 3.0                    | 3.15                   | 3.30                   | 2.99         | 3.10         | 26             | 0.9            | 0.25           | 4.2                |
| P1234.030-028 | 3.0                    | 3.15                   | 3.30                   | 2.99         | 3.10         | 28             | 0.9            | 0.25           | 4.2                |
| P1234.030-030 | 3.0                    | 3.15                   | 3.30                   | 2.99         | 3.10         | 30             | 0.9            | 0.25           | 4.2                |
| P1234.040-012 | 4.0                    | 4.20                   | 4.40                   | 3.98         | 4.12         | 12             | 1.1            | 0.33           | 7.6                |
| P1234.040-014 | 4.0                    | 4.20                   | 4.40                   | 3.98         | 4.12         | 14             | 1.1            | 0.33           | 7.6                |
| P1234.040-016 | 4.0                    | 4.20                   | 4.40                   | 3.98         | 4.12         | 16             | 1.1            | 0.33           | 7.6                |
| P1234.040-018 | 4.0                    | 4.20                   | 4.40                   | 3.98         | 4.12         | 18             | 1.1            | 0.33           | 7.6                |
| P1234.040-020 | 4.0                    | 4.20                   | 4.40                   | 3.98         | 4.12         | 20             | 1.1            | 0.33           | 7.6                |
| P1234.040-022 | 4.0                    | 4.20                   | 4.40                   | 3.98         | 4.12         | 22             | 1.1            | 0.33           | 7.6                |
| P1234.040-024 | 4.0                    | 4.20                   | 4.40                   | 3.98         | 4.12         | 24             | 1.1            | 0.33           | 7.6                |
| P1234.040-026 | 4.0                    | 4.20                   | 4.40                   | 3.98         | 4.12         | 26             | 1.1            | 0.33           | 7.6                |
| P1234.040-028 | 4.0                    | 4.20                   | 4.40                   | 3.98         | 4.12         | 28             | 1.1            | 0.33           | 7.6                |
| P1234.040-030 | 4.0                    | 4.20                   | 4.40                   | 3.98         | 4.12         | 30             | 1.1            | 0.33           | 7.6                |
| P1234.040-035 | 4.0                    | 4.20                   | 4.40                   | 3.98         | 4.12         | 35             | 1.1            | 0.33           | 7.6                |
| P1234.040-040 | 4.0                    | 4.20                   | 4.40                   | 3.98         | 4.12         | 40             | 1.1            | 0.33           | 7.6                |
| P1234.050-014 | 5.0                    | 5.25                   | 5.50                   | 4.95         | 5.12         | 14             | 1.3            | 0.42           | 11.5               |
| P1234.050-016 | 5.0                    | 5.25                   | 5.50                   | 4.95         | 5.12         | 16             | 1.3            | 0.42           | 11.5               |
| P1234.050-018 | 5.0                    | 5.25                   | 5.50                   | 4.95         | 5.12         | 18             | 1.3            | 0.42           | 11.5               |
| P1234.050-020 | 5.0                    | 5.25                   | 5.50                   | 4.95         | 5.12         | 20             | 1.3            | 0.42           | 11.5               |
| P1234.050-022 | 5.0                    | 5.25                   | 5.50                   | 4.95         | 5.12         | 22             | 1.3            | 0.42           | 11.5               |
| P1234.050-024 | 5.0                    | 5.25                   | 5.50                   | 4.95         | 5.12         | 24             | 1.3            | 0.42           | 11.5               |
| P1234.050-026 | 5.0                    | 5.25                   | 5.50                   | 4.95         | 5.12         | 26             | 1.3            | 0.42           | 11.5               |
| P1234.050-028 | 5.0                    | 5.25                   | 5.50                   | 4.95         | 5.12         | 28             | 1.3            | 0.42           | 11.5               |
| P1234.050-030 | 5.0                    | 5.25                   | 5.50                   | 4.95         | 5.12         | 30             | 1.3            | 0.42           | 11.5               |
| P1234.050-035 | 5.0                    | 5.25                   | 5.50                   | 4.95         | 5.12         | 35             | 1.3            | 0.42           | 11.5               |
| P1234.050-040 | 5.0                    | 5.25                   | 5.50                   | 4.95         | 5.12         | 40             | 1.3            | 0.42           | 11.5               |
| P1234.050-045 | 5.0                    | 5.25                   | 5.50                   | 4.95         | 5.12         | 45             | 1.3            | 0.42           | 11.5               |
| P1234.060-016 | 6.0                    | 6.25                   | 6.60                   | 5.95         | 6.13         | 16             | 1.5            | 0.5            | 16.8               |
| P1234.060-018 | 6.0                    | 6.25                   | 6.60                   | 5.95         | 6.13         | 18             | 1.5            | 0.5            | 16.8               |
| P1234.060-020 | 6.0                    | 6.25                   | 6.60                   | 5.95         | 6.13         | 20             | 1.5            | 0.5            | 16.8               |
| P1234.060-022 | 6.0                    | 6.25                   | 6.60                   | 5.95         | 6.13         | 22             | 1.5            | 0.5            | 16.8               |
| P1234.060-024 | 6.0                    | 6.25                   | 6.60                   | 5.95         | 6.13         | 24             | 1.5            | 0.5            | 16.8               |
| P1234.060-026 | 6.0                    | 6.25                   | 6.60                   | 5.95         | 6.13         | 26             | 1.5            | 0.5            | 16.8               |
| P1234.060-028 | 6.0                    | 6.25                   | 6.60                   | 5.95         | 6.13         | 28             | 1.5            | 0.5            | 16.8               |
| P1234.060-030 | 6.0                    | 6.25                   | 6.60                   | 5.95         | 6.13         | 30             | 1.5            | 0.5            | 16.8               |
| P1234.060-035 | 6.0                    | 6.25                   | 6.60                   | 5.95         | 6.13         | 35             | 1.5            | 0.5            | 16.8               |
| P1234.060-040 | 6.0                    | 6.25                   | 6.60                   | 5.95         | 6.13         | 40             | 1.5            | 0.5            | 16.8               |
| P1234.060-045 | 6.0                    | 6.25                   | 6.60                   | 5.95         | 6.13         | 45             | 1.5            | 0.5            | 16.8               |
| P1234.060-050 | 6.0                    | 6.25                   | 6.60                   | 5.95         | 6.13         | 50             | 1.5            | 0.5            | 16.8               |
| P1234.080-020 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 20             | 2              | 0.67           | 30.0               |
| P1234.080-022 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 22             | 2              | 0.67           | 30.0               |
| P1234.080-024 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 24             | 2              | 0.67           | 30.0               |
| P1234.080-026 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 26             | 2              | 0.67           | 30.0               |
| P1234.080-028 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 28             | 2              | 0.67           | 30.0               |
| P1234.080-030 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 30             | 2              | 0.67           | 30.0               |
| P1234.080-035 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 35             | 2              | 0.67           | 30.0               |
| P1234.080-040 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 40             | 2              | 0.67           | 30.0               |
| P1234.080-045 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 45             | 2              | 0.67           | 30.0               |
| P1234.080-050 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 50             | 2              | 0.67           | 30.0               |
| P1234.080-055 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 55             | 2              | 0.67           | 30.0               |
| P1234.080-060 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 60             | 2              | 0.67           | 30.0               |
| P1234.080-065 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 65             | 2              | 0.67           | 30.0               |
| P1234.080-070 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 70             | 2              | 0.67           | 30.0               |
| P1234.080-075 | 8.0                    | 8.30                   | 8.60                   | 7.93         | 8.17         | 75             | 2              | 0.67           | 30.0               |