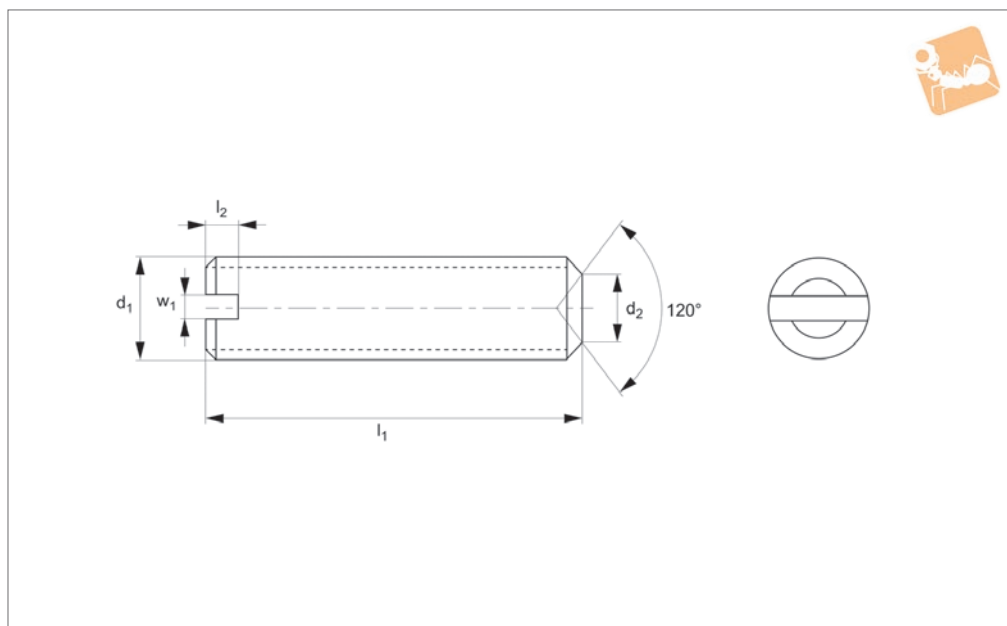
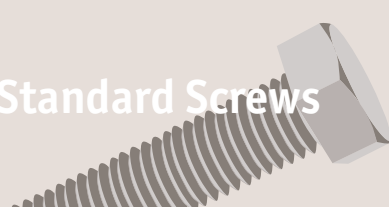




# Slotted Set Screws Cup Point

Cup Point - A2 stainless

Standard Screws



**P0276.A2**

STANDARD SCREWS

## Material

Stainless steel (A2).

See technical page for tightening torques.

## Technical Notes

To DIN 438, cup point.

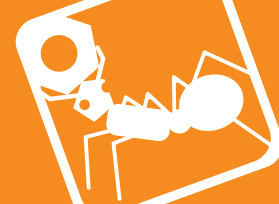
| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> |
|------------------|----------------|----------------|----------------|------------------------|----------------|
| P0276.020-003-A2 | M 2            | 3              | 0.75           | 0.8                    | 0.25           |
| P0276.020-004-A2 | M 2            | 4              | 0.75           | 0.8                    | 0.25           |
| P0276.020-005-A2 | M 2            | 5              | 0.75           | 0.8                    | 0.25           |
| P0276.020-006-A2 | M 2            | 6              | 0.75           | 0.8                    | 0.25           |
| P0276.020-008-A2 | M 2            | 8              | 0.75           | 0.8                    | 0.25           |
| P0276.020-010-A2 | M 2            | 10             | 0.75           | 0.8                    | 0.25           |
| P0276.020-012-A2 | M 2            | 12             | 0.75           | 0.8                    | 0.25           |
| P0276.020-016-A2 | M 2            | 16             | 0.75           | 0.8                    | 0.25           |
| P0276.025-003-A2 | M2,5           | 3              | 0.95           | 1.2                    | 0.4            |
| P0276.025-004-A2 | M2,5           | 4              | 0.95           | 1.2                    | 0.4            |
| P0276.025-005-A2 | M2,5           | 5              | 0.95           | 1.2                    | 0.4            |
| P0276.025-006-A2 | M2,5           | 6              | 0.95           | 1.2                    | 0.4            |
| P0276.025-008-A2 | M2,5           | 8              | 0.95           | 1.2                    | 0.4            |
| P0276.025-010-A2 | M2,5           | 10             | 0.95           | 1.2                    | 0.4            |
| P0276.025-012-A2 | M2,5           | 12             | 0.95           | 1.2                    | 0.4            |
| P0276.025-016-A2 | M2,5           | 16             | 0.95           | 1.2                    | 0.4            |
| P0276.030-003-A2 | M 3            | 3              | 1.15           | 1.2                    | 0.4            |
| P0276.030-004-A2 | M 3            | 4              | 1.15           | 1.2                    | 0.4            |
| P0276.030-005-A2 | M 3            | 5              | 1.15           | 1.2                    | 0.4            |
| P0276.030-006-A2 | M 3            | 6              | 1.15           | 1.2                    | 0.4            |
| P0276.030-008-A2 | M 3            | 8              | 1.15           | 1.2                    | 0.4            |
| P0276.030-010-A2 | M 3            | 10             | 1.15           | 1.2                    | 0.4            |
| P0276.030-012-A2 | M 3            | 12             | 1.15           | 1.2                    | 0.4            |
| P0276.030-014-A2 | M 3            | 14             | 1.15           | 1.2                    | 0.4            |
| P0276.030-016-A2 | M 3            | 16             | 1.15           | 1.2                    | 0.4            |
| P0276.030-020-A2 | M 3            | 20             | 1.15           | 1.2                    | 0.4            |
| P0276.030-025-A2 | M 3            | 25             | 1.15           | 1.2                    | 0.4            |
| P0276.030-030-A2 | M 3            | 30             | 1.15           | 1.2                    | 0.4            |
| P0276.040-003-A2 | M 4            | 3              | 1.75           | 1.5                    | 0.6            |
| P0276.040-004-A2 | M 4            | 4              | 1.75           | 1.5                    | 0.6            |
| P0276.040-005-A2 | M 4            | 5              | 1.75           | 1.5                    | 0.6            |
| P0276.040-006-A2 | M 4            | 6              | 1.75           | 1.5                    | 0.6            |
| P0276.040-008-A2 | M 4            | 8              | 1.75           | 1.5                    | 0.6            |
| P0276.040-010-A2 | M 4            | 10             | 1.75           | 1.5                    | 0.6            |



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| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> |
|------------------|----------------|----------------|----------------|------------------------|----------------|
| P0276.040-012-A2 | M 4            | 12             | 1.75           | 1.5                    | 0.6            |
| P0276.040-014-A2 | M 4            | 14             | 1.75           | 1.5                    | 0.6            |
| P0276.040-016-A2 | M 4            | 16             | 1.75           | 1.5                    | 0.6            |
| P0276.040-020-A2 | M 4            | 20             | 1.75           | 1.5                    | 0.6            |
| P0276.040-025-A2 | M 4            | 25             | 1.75           | 1.5                    | 0.6            |
| P0276.040-030-A2 | M 4            | 30             | 1.75           | 1.5                    | 0.6            |
| P0276.040-035-A2 | M 4            | 35             | 1.75           | 1.5                    | 0.6            |
| P0276.040-040-A2 | M 4            | 40             | 1.75           | 1.5                    | 0.6            |
| P0276.050-004-A2 | M 5            | 4              | 2.25           | 2.0                    | 0.8            |
| P0276.050-005-A2 | M 5            | 5              | 2.25           | 2.0                    | 0.8            |
| P0276.050-006-A2 | M 5            | 6              | 2.25           | 2.0                    | 0.8            |
| P0276.050-008-A2 | M 5            | 8              | 2.25           | 2.0                    | 0.8            |
| P0276.050-010-A2 | M 5            | 10             | 2.25           | 2.0                    | 0.8            |
| P0276.050-012-A2 | M 5            | 12             | 2.25           | 2.0                    | 0.8            |
| P0276.050-014-A2 | M 5            | 14             | 2.25           | 2.0                    | 0.8            |
| P0276.050-016-A2 | M 5            | 16             | 2.25           | 2.0                    | 0.8            |
| P0276.050-020-A2 | M 5            | 20             | 2.25           | 2.0                    | 0.8            |
| P0276.050-025-A2 | M 5            | 25             | 2.25           | 2.0                    | 0.8            |
| P0276.050-030-A2 | M 5            | 30             | 2.25           | 2.0                    | 0.8            |
| P0276.050-035-A2 | M 5            | 35             | 2.25           | 2.0                    | 0.8            |
| P0276.050-040-A2 | M 5            | 40             | 2.25           | 2.0                    | 0.8            |
| P0276.060-005-A2 | M 6            | 5              | 2.75           | 2.0                    | 1.0            |
| P0276.060-006-A2 | M 6            | 6              | 2.75           | 2.0                    | 1.0            |
| P0276.060-008-A2 | M 6            | 8              | 2.75           | 2.0                    | 1.0            |
| P0276.060-010-A2 | M 6            | 10             | 2.75           | 2.0                    | 1.0            |
| P0276.060-012-A2 | M 6            | 12             | 2.75           | 2.0                    | 1.0            |
| P0276.060-014-A2 | M 6            | 14             | 2.75           | 2.0                    | 1.0            |
| P0276.060-016-A2 | M 6            | 16             | 2.75           | 2.0                    | 1.0            |
| P0276.060-018-A2 | M 6            | 18             | 2.75           | 2.0                    | 1.0            |
| P0276.060-020-A2 | M 6            | 20             | 2.75           | 2.0                    | 1.0            |
| P0276.060-025-A2 | M 6            | 25             | 2.75           | 2.0                    | 1.0            |
| P0276.060-030-A2 | M 6            | 30             | 2.75           | 2.0                    | 1.0            |
| P0276.060-035-A2 | M 6            | 35             | 2.75           | 2.0                    | 1.0            |
| P0276.060-040-A2 | M 6            | 40             | 2.75           | 2.0                    | 1.0            |
| P0276.060-045-A2 | M 6            | 45             | 2.75           | 2.0                    | 1.0            |
| P0276.060-050-A2 | M 6            | 50             | 2.75           | 2.0                    | 1.0            |
| P0276.060-055-A2 | M 6            | 55             | 2.75           | 2.0                    | 1.0            |
| P0276.060-060-A2 | M 6            | 60             | 2.75           | 2.0                    | 1.0            |
| P0276.080-006-A2 | M 8            | 6              | 4.70           | 3.0                    | 1.2            |
| P0276.080-008-A2 | M 8            | 8              | 4.70           | 3.0                    | 1.2            |
| P0276.080-010-A2 | M 8            | 10             | 4.70           | 3.0                    | 1.2            |
| P0276.080-012-A2 | M 8            | 12             | 4.70           | 3.0                    | 1.2            |
| P0276.080-014-A2 | M 8            | 14             | 4.70           | 3.0                    | 1.2            |
| P0276.080-016-A2 | M 8            | 16             | 4.70           | 3.0                    | 1.2            |
| P0276.080-018-A2 | M 8            | 18             | 4.70           | 3.0                    | 1.2            |
| P0276.080-020-A2 | M 8            | 20             | 4.70           | 3.0                    | 1.2            |
| P0276.080-025-A2 | M 8            | 25             | 4.70           | 3.0                    | 1.2            |
| P0276.080-030-A2 | M 8            | 30             | 4.70           | 3.0                    | 1.2            |
| P0276.080-035-A2 | M 8            | 35             | 4.70           | 3.0                    | 1.2            |
| P0276.080-040-A2 | M 8            | 40             | 4.70           | 3.0                    | 1.2            |
| P0276.080-050-A2 | M 8            | 50             | 4.70           | 3.0                    | 1.2            |
| P0276.080-060-A2 | M 8            | 60             | 4.70           | 3.0                    | 1.2            |
| P0276.080-070-A2 | M 8            | 70             | 4.70           | 3.0                    | 1.2            |
| P0276.080-080-A2 | M 8            | 80             | 4.70           | 3.0                    | 1.2            |
| P0276.100-010-A2 | M10            | 10             | 5.70           | 4.0                    | 1.6            |
| P0276.100-012-A2 | M10            | 12             | 5.70           | 4.0                    | 1.6            |
| P0276.100-016-A2 | M10            | 16             | 5.70           | 4.0                    | 1.6            |
| P0276.100-020-A2 | M10            | 20             | 5.70           | 4.0                    | 1.6            |
| P0276.100-025-A2 | M10            | 25             | 5.70           | 4.0                    | 1.6            |
| P0276.100-030-A2 | M10            | 30             | 5.70           | 4.0                    | 1.6            |
| P0276.100-035-A2 | M10            | 35             | 5.70           | 4.0                    | 1.6            |
| P0276.100-040-A2 | M10            | 40             | 5.70           | 4.0                    | 1.6            |
| P0276.100-045-A2 | M10            | 45             | 5.70           | 4.0                    | 1.6            |
| P0276.100-050-A2 | M10            | 50             | 5.70           | 4.0                    | 1.6            |
| P0276.100-055-A2 | M10            | 55             | 5.70           | 4.0                    | 1.6            |
| P0276.100-060-A2 | M10            | 60             | 5.70           | 4.0                    | 1.6            |
| P0276.100-070-A2 | M10            | 70             | 5.70           | 4.0                    | 1.6            |
| P0276.100-080-A2 | M10            | 80             | 5.70           | 4.0                    | 1.6            |



# Slotted Set Screws Cup Point

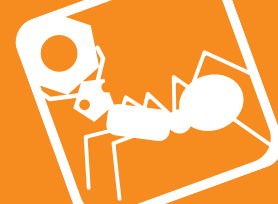
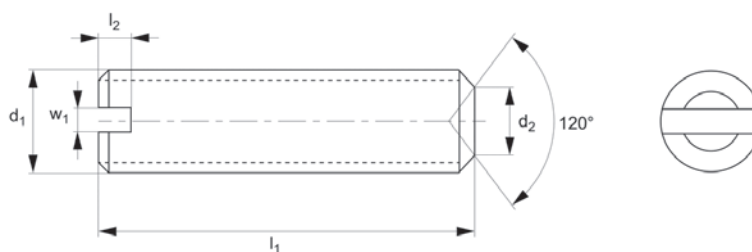
Cup Point - A2 stainless

Standard Screws



| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> |
|------------------|----------------|----------------|----------------|------------------------|----------------|
| P0276.120-010-A2 | M12            | 10             | 7.64           | 4.8                    | 2.0            |
| P0276.120-012-A2 | M12            | 12             | 7.64           | 4.8                    | 2.0            |
| P0276.120-016-A2 | M12            | 16             | 7.64           | 4.8                    | 2.0            |
| P0276.120-020-A2 | M12            | 20             | 7.64           | 4.8                    | 2.0            |
| P0276.120-025-A2 | M12            | 25             | 7.64           | 4.8                    | 2.0            |
| P0276.120-030-A2 | M12            | 30             | 7.64           | 4.8                    | 2.0            |
| P0276.120-035-A2 | M12            | 35             | 7.64           | 4.8                    | 2.0            |
| P0276.120-040-A2 | M12            | 40             | 7.64           | 4.8                    | 2.0            |
| P0276.120-045-A2 | M12            | 45             | 7.64           | 4.8                    | 2.0            |
| P0276.120-050-A2 | M12            | 50             | 7.64           | 4.8                    | 2.0            |
| P0276.120-055-A2 | M12            | 55             | 7.64           | 4.8                    | 2.0            |
| P0276.120-060-A2 | M12            | 60             | 7.64           | 4.8                    | 2.0            |
| P0276.120-070-A2 | M12            | 70             | 7.64           | 4.8                    | 2.0            |
| P0276.120-080-A2 | M12            | 80             | 7.64           | 4.8                    | 2.0            |
| P0276.120-090-A2 | M12            | 90             | 7.64           | 4.8                    | 2.0            |
| P0276.120-100-A2 | M12            | 100            | 7.64           | 4.8                    | 2.0            |
| P0276.160-016-A2 | M16            | 16             | 9.64           | 6.4                    | 2.2            |
| P0276.160-020-A2 | M16            | 20             | 9.64           | 6.4                    | 2.2            |
| P0276.160-025-A2 | M16            | 25             | 9.64           | 6.4                    | 2.2            |
| P0276.160-030-A2 | M16            | 30             | 9.64           | 6.4                    | 2.2            |
| P0276.160-035-A2 | M16            | 35             | 9.64           | 6.4                    | 2.2            |
| P0276.160-040-A2 | M16            | 40             | 9.64           | 6.4                    | 2.2            |
| P0276.160-045-A2 | M16            | 45             | 9.64           | 6.4                    | 2.2            |
| P0276.160-050-A2 | M16            | 50             | 9.64           | 6.4                    | 2.2            |
| P0276.160-055-A2 | M16            | 55             | 9.64           | 6.4                    | 2.2            |
| P0276.160-060-A2 | M16            | 60             | 9.64           | 6.4                    | 2.2            |
| P0276.160-070-A2 | M16            | 70             | 9.64           | 6.4                    | 2.2            |
| P0276.160-080-A2 | M16            | 80             | 9.64           | 6.4                    | 2.2            |
| P0276.160-090-A2 | M16            | 90             | 9.64           | 6.4                    | 2.2            |
| P0276.160-100-A2 | M16            | 100            | 9.64           | 6.4                    | 2.2            |
| P0276.200-020-A2 | M20            | 20             | 13.57          | 8.0                    | 2.6            |
| P0276.200-025-A2 | M20            | 25             | 13.57          | 8.0                    | 2.6            |
| P0276.200-030-A2 | M20            | 30             | 13.57          | 8.0                    | 2.6            |
| P0276.200-035-A2 | M20            | 35             | 13.57          | 8.0                    | 2.6            |
| P0276.200-040-A2 | M20            | 40             | 13.57          | 8.0                    | 2.6            |
| P0276.200-045-A2 | M20            | 45             | 13.57          | 8.0                    | 2.6            |
| P0276.200-050-A2 | M20            | 50             | 13.57          | 8.0                    | 2.6            |
| P0276.200-055-A2 | M20            | 55             | 13.57          | 8.0                    | 2.6            |
| P0276.200-060-A2 | M20            | 60             | 13.57          | 8.0                    | 2.6            |
| P0276.200-070-A2 | M20            | 70             | 13.57          | 8.0                    | 2.6            |
| P0276.200-080-A2 | M20            | 80             | 13.57          | 8.0                    | 2.6            |
| P0276.200-090-A2 | M20            | 90             | 13.57          | 8.0                    | 2.6            |
| P0276.200-100-A2 | M20            | 100            | 13.57          | 8.0                    | 2.6            |

STANDARD SCREWS


**P0276.A4**

**Material**

Stainless steel (A4).

See technical page for tightening torques.

**Technical Notes**

To DIN 438, cup point.

| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> |
|------------------|----------------|----------------|----------------|------------------------|----------------|
| P0276.020-003-A4 | M 2            | 3              | 0.75           | 0.8                    | 0.25           |
| P0276.020-004-A4 | M 2            | 4              | 0.75           | 0.8                    | 0.25           |
| P0276.020-005-A4 | M 2            | 5              | 0.75           | 0.8                    | 0.25           |
| P0276.020-006-A4 | M 2            | 6              | 0.75           | 0.8                    | 0.25           |
| P0276.020-008-A4 | M 2            | 8              | 0.75           | 0.8                    | 0.25           |
| P0276.020-010-A4 | M 2            | 10             | 0.75           | 0.8                    | 0.25           |
| P0276.020-012-A4 | M 2            | 12             | 0.75           | 0.8                    | 0.25           |
| P0276.020-016-A4 | M 2            | 16             | 0.75           | 0.8                    | 0.25           |
| P0276.025-003-A4 | M2,5           | 3              | 0.95           | 1.2                    | 0.4            |
| P0276.025-004-A4 | M2,5           | 4              | 0.95           | 1.2                    | 0.4            |
| P0276.025-005-A4 | M2,5           | 5              | 0.95           | 1.2                    | 0.4            |
| P0276.025-006-A4 | M2,5           | 6              | 0.95           | 1.2                    | 0.4            |
| P0276.025-008-A4 | M2,5           | 8              | 0.95           | 1.2                    | 0.4            |
| P0276.025-010-A4 | M2,5           | 10             | 0.95           | 1.2                    | 0.4            |
| P0276.025-012-A4 | M2,5           | 12             | 0.95           | 1.2                    | 0.4            |
| P0276.025-016-A4 | M2,5           | 16             | 0.95           | 1.2                    | 0.4            |
| P0276.030-003-A4 | M 3            | 3              | 1.15           | 1.2                    | 0.4            |
| P0276.030-004-A4 | M 3            | 4              | 1.15           | 1.2                    | 0.4            |
| P0276.030-005-A4 | M 3            | 5              | 1.15           | 1.2                    | 0.4            |
| P0276.030-006-A4 | M 3            | 6              | 1.15           | 1.2                    | 0.4            |
| P0276.030-008-A4 | M 3            | 8              | 1.15           | 1.2                    | 0.4            |
| P0276.030-010-A4 | M 3            | 10             | 1.15           | 1.2                    | 0.4            |
| P0276.030-012-A4 | M 3            | 12             | 1.15           | 1.2                    | 0.4            |
| P0276.030-014-A4 | M 3            | 14             | 1.15           | 1.2                    | 0.4            |
| P0276.030-016-A4 | M 3            | 16             | 1.15           | 1.2                    | 0.4            |
| P0276.030-020-A4 | M 3            | 20             | 1.15           | 1.2                    | 0.4            |
| P0276.030-025-A4 | M 3            | 25             | 1.15           | 1.2                    | 0.4            |
| P0276.030-030-A4 | M 3            | 30             | 1.15           | 1.2                    | 0.4            |
| P0276.040-003-A4 | M 4            | 3              | 1.75           | 1.5                    | 0.6            |
| P0276.040-004-A4 | M 4            | 4              | 1.75           | 1.5                    | 0.6            |
| P0276.040-005-A4 | M 4            | 5              | 1.75           | 1.5                    | 0.6            |
| P0276.040-006-A4 | M 4            | 6              | 1.75           | 1.5                    | 0.6            |
| P0276.040-008-A4 | M 4            | 8              | 1.75           | 1.5                    | 0.6            |
| P0276.040-010-A4 | M 4            | 10             | 1.75           | 1.5                    | 0.6            |



# Slotted Set Screws Cup Point

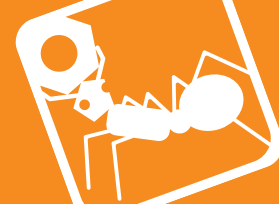
Cup Point - A4 stainless

Standard Screws



| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> |
|------------------|----------------|----------------|----------------|------------------------|----------------|
| P0276.040-012-A4 | M 4            | 12             | 1.75           | 1.5                    | 0.6            |
| P0276.040-014-A4 | M 4            | 14             | 1.75           | 1.5                    | 0.6            |
| P0276.040-016-A4 | M 4            | 16             | 1.75           | 1.5                    | 0.6            |
| P0276.040-020-A4 | M 4            | 20             | 1.75           | 1.5                    | 0.6            |
| P0276.040-025-A4 | M 4            | 25             | 1.75           | 1.5                    | 0.6            |
| P0276.040-030-A4 | M 4            | 30             | 1.75           | 1.5                    | 0.6            |
| P0276.040-035-A4 | M 4            | 35             | 1.75           | 1.5                    | 0.6            |
| P0276.040-040-A4 | M 4            | 40             | 1.75           | 1.5                    | 0.6            |
| P0276.050-004-A4 | M 5            | 4              | 2.25           | 2.0                    | 0.8            |
| P0276.050-005-A4 | M 5            | 5              | 2.25           | 2.0                    | 0.8            |
| P0276.050-006-A4 | M 5            | 6              | 2.25           | 2.0                    | 0.8            |
| P0276.050-008-A4 | M 5            | 8              | 2.25           | 2.0                    | 0.8            |
| P0276.050-010-A4 | M 5            | 10             | 2.25           | 2.0                    | 0.8            |
| P0276.050-012-A4 | M 5            | 12             | 2.25           | 2.0                    | 0.8            |
| P0276.050-014-A4 | M 5            | 14             | 2.25           | 2.0                    | 0.8            |
| P0276.050-016-A4 | M 5            | 16             | 2.25           | 2.0                    | 0.8            |
| P0276.050-020-A4 | M 5            | 20             | 2.25           | 2.0                    | 0.8            |
| P0276.050-025-A4 | M 5            | 25             | 2.25           | 2.0                    | 0.8            |
| P0276.050-030-A4 | M 5            | 30             | 2.25           | 2.0                    | 0.8            |
| P0276.050-035-A4 | M 5            | 35             | 2.25           | 2.0                    | 0.8            |
| P0276.050-040-A4 | M 5            | 40             | 2.25           | 2.0                    | 0.8            |
| P0276.060-005-A4 | M 6            | 5              | 2.75           | 2.0                    | 1.0            |
| P0276.060-006-A4 | M 6            | 6              | 2.75           | 2.0                    | 1.0            |
| P0276.060-008-A4 | M 6            | 8              | 2.75           | 2.0                    | 1.0            |
| P0276.060-010-A4 | M 6            | 10             | 2.75           | 2.0                    | 1.0            |
| P0276.060-012-A4 | M 6            | 12             | 2.75           | 2.0                    | 1.0            |
| P0276.060-014-A4 | M 6            | 14             | 2.75           | 2.0                    | 1.0            |
| P0276.060-016-A4 | M 6            | 16             | 2.75           | 2.0                    | 1.0            |
| P0276.060-018-A4 | M 6            | 18             | 2.75           | 2.0                    | 1.0            |
| P0276.060-020-A4 | M 6            | 20             | 2.75           | 2.0                    | 1.0            |
| P0276.060-025-A4 | M 6            | 25             | 2.75           | 2.0                    | 1.0            |
| P0276.060-030-A4 | M 6            | 30             | 2.75           | 2.0                    | 1.0            |
| P0276.060-035-A4 | M 6            | 35             | 2.75           | 2.0                    | 1.0            |
| P0276.060-040-A4 | M 6            | 40             | 2.75           | 2.0                    | 1.0            |
| P0276.060-045-A4 | M 6            | 45             | 2.75           | 2.0                    | 1.0            |
| P0276.060-050-A4 | M 6            | 50             | 2.75           | 2.0                    | 1.0            |
| P0276.060-055-A4 | M 6            | 55             | 2.75           | 2.0                    | 1.0            |
| P0276.060-060-A4 | M 6            | 60             | 2.75           | 2.0                    | 1.0            |
| P0276.080-006-A4 | M 8            | 6              | 4.70           | 3.0                    | 1.2            |
| P0276.080-008-A4 | M 8            | 8              | 4.70           | 3.0                    | 1.2            |
| P0276.080-010-A4 | M 8            | 10             | 4.70           | 3.0                    | 1.2            |
| P0276.080-012-A4 | M 8            | 12             | 4.70           | 3.0                    | 1.2            |
| P0276.080-014-A4 | M 8            | 14             | 4.70           | 3.0                    | 1.2            |
| P0276.080-016-A4 | M 8            | 16             | 4.70           | 3.0                    | 1.2            |
| P0276.080-018-A4 | M 8            | 18             | 4.70           | 3.0                    | 1.2            |
| P0276.080-020-A4 | M 8            | 20             | 4.70           | 3.0                    | 1.2            |
| P0276.080-025-A4 | M 8            | 25             | 4.70           | 3.0                    | 1.2            |
| P0276.080-030-A4 | M 8            | 30             | 4.70           | 3.0                    | 1.2            |
| P0276.080-035-A4 | M 8            | 35             | 4.70           | 3.0                    | 1.2            |
| P0276.080-040-A4 | M 8            | 40             | 4.70           | 3.0                    | 1.2            |
| P0276.080-050-A4 | M 8            | 50             | 4.70           | 3.0                    | 1.2            |
| P0276.080-060-A4 | M 8            | 60             | 4.70           | 3.0                    | 1.2            |
| P0276.080-070-A4 | M 8            | 70             | 4.70           | 3.0                    | 1.2            |
| P0276.080-080-A4 | M 8            | 80             | 4.70           | 3.0                    | 1.2            |
| P0276.100-010-A4 | M10            | 10             | 5.70           | 4.0                    | 1.6            |
| P0276.100-012-A4 | M10            | 12             | 5.70           | 4.0                    | 1.6            |
| P0276.100-016-A4 | M10            | 16             | 5.70           | 4.0                    | 1.6            |
| P0276.100-020-A4 | M10            | 20             | 5.70           | 4.0                    | 1.6            |
| P0276.100-025-A4 | M10            | 25             | 5.70           | 4.0                    | 1.6            |
| P0276.100-030-A4 | M10            | 30             | 5.70           | 4.0                    | 1.6            |
| P0276.100-035-A4 | M10            | 35             | 5.70           | 4.0                    | 1.6            |
| P0276.100-040-A4 | M10            | 40             | 5.70           | 4.0                    | 1.6            |
| P0276.100-045-A4 | M10            | 45             | 5.70           | 4.0                    | 1.6            |
| P0276.100-050-A4 | M10            | 50             | 5.70           | 4.0                    | 1.6            |
| P0276.100-055-A4 | M10            | 55             | 5.70           | 4.0                    | 1.6            |
| P0276.100-060-A4 | M10            | 60             | 5.70           | 4.0                    | 1.6            |
| P0276.100-070-A4 | M10            | 70             | 5.70           | 4.0                    | 1.6            |
| P0276.100-080-A4 | M10            | 80             | 5.70           | 4.0                    | 1.6            |

STANDARD SCREWS



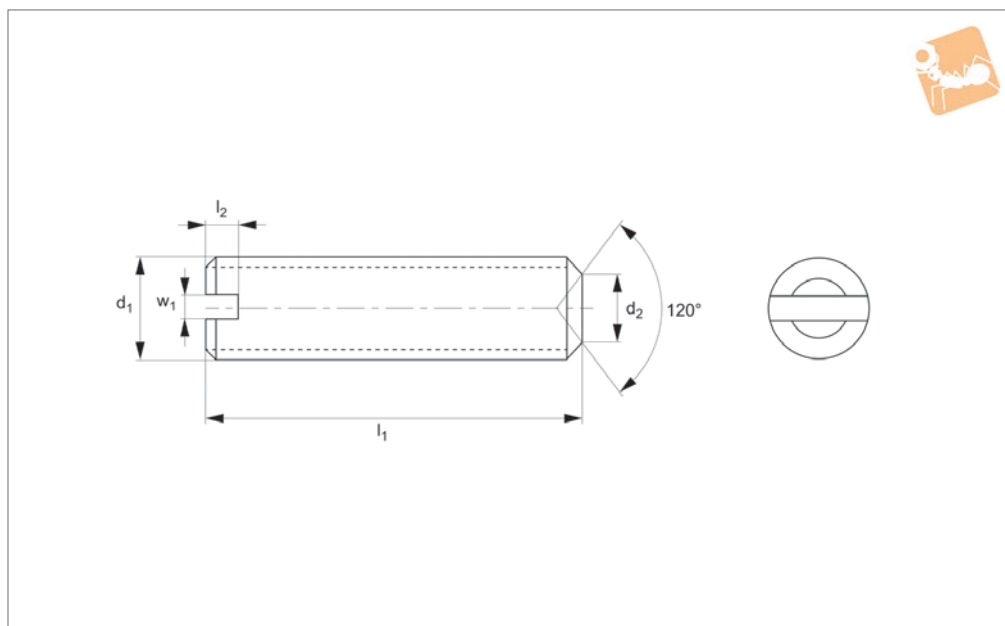
| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> |
|------------------|----------------|----------------|----------------|------------------------|----------------|
| P0276.120-010-A4 | M12            | 10             | 7.64           | 4.8                    | 2.0            |
| P0276.120-012-A4 | M12            | 12             | 7.64           | 4.8                    | 2.0            |
| P0276.120-016-A4 | M12            | 16             | 7.64           | 4.8                    | 2.0            |
| P0276.120-020-A4 | M12            | 20             | 7.64           | 4.8                    | 2.0            |
| P0276.120-025-A4 | M12            | 25             | 7.64           | 4.8                    | 2.0            |
| P0276.120-030-A4 | M12            | 30             | 7.64           | 4.8                    | 2.0            |
| P0276.120-035-A4 | M12            | 35             | 7.64           | 4.8                    | 2.0            |
| P0276.120-040-A4 | M12            | 40             | 7.64           | 4.8                    | 2.0            |
| P0276.120-045-A4 | M12            | 45             | 7.64           | 4.8                    | 2.0            |
| P0276.120-050-A4 | M12            | 50             | 7.64           | 4.8                    | 2.0            |
| P0276.120-055-A4 | M12            | 55             | 7.64           | 4.8                    | 2.0            |
| P0276.120-060-A4 | M12            | 60             | 7.64           | 4.8                    | 2.0            |
| P0276.120-070-A4 | M12            | 70             | 7.64           | 4.8                    | 2.0            |
| P0276.120-080-A4 | M12            | 80             | 7.64           | 4.8                    | 2.0            |
| P0276.120-090-A4 | M12            | 90             | 7.64           | 4.8                    | 2.0            |
| P0276.120-100-A4 | M12            | 100            | 7.64           | 4.8                    | 2.0            |
| P0276.160-016-A4 | M16            | 16             | 9.64           | 6.4                    | 2.2            |
| P0276.160-020-A4 | M16            | 20             | 9.64           | 6.4                    | 2.2            |
| P0276.160-025-A4 | M16            | 25             | 9.64           | 6.4                    | 2.2            |
| P0276.160-030-A4 | M16            | 30             | 9.64           | 6.4                    | 2.2            |
| P0276.160-035-A4 | M16            | 35             | 9.64           | 6.4                    | 2.2            |
| P0276.160-040-A4 | M16            | 40             | 9.64           | 6.4                    | 2.2            |
| P0276.160-045-A4 | M16            | 45             | 9.64           | 6.4                    | 2.2            |
| P0276.160-050-A4 | M16            | 50             | 9.64           | 6.4                    | 2.2            |
| P0276.160-055-A4 | M16            | 55             | 9.64           | 6.4                    | 2.2            |
| P0276.160-060-A4 | M16            | 60             | 9.64           | 6.4                    | 2.2            |
| P0276.160-070-A4 | M16            | 70             | 9.64           | 6.4                    | 2.2            |
| P0276.160-080-A4 | M16            | 80             | 9.64           | 6.4                    | 2.2            |
| P0276.160-090-A4 | M16            | 90             | 9.64           | 6.4                    | 2.2            |
| P0276.160-100-A4 | M16            | 100            | 9.64           | 6.4                    | 2.2            |
| P0276.200-020-A4 | M20            | 20             | 13.57          | 8.0                    | 2.6            |
| P0276.200-025-A4 | M20            | 25             | 13.57          | 8.0                    | 2.6            |
| P0276.200-030-A4 | M20            | 30             | 13.57          | 8.0                    | 2.6            |
| P0276.200-035-A4 | M20            | 35             | 13.57          | 8.0                    | 2.6            |
| P0276.200-040-A4 | M20            | 40             | 13.57          | 8.0                    | 2.6            |
| P0276.200-045-A4 | M20            | 45             | 13.57          | 8.0                    | 2.6            |
| P0276.200-050-A4 | M20            | 50             | 13.57          | 8.0                    | 2.6            |
| P0276.200-055-A4 | M20            | 55             | 13.57          | 8.0                    | 2.6            |
| P0276.200-060-A4 | M20            | 60             | 13.57          | 8.0                    | 2.6            |
| P0276.200-070-A4 | M20            | 70             | 13.57          | 8.0                    | 2.6            |
| P0276.200-080-A4 | M20            | 80             | 13.57          | 8.0                    | 2.6            |
| P0276.200-090-A4 | M20            | 90             | 13.57          | 8.0                    | 2.6            |
| P0276.200-100-A4 | M20            | 100            | 13.57          | 8.0                    | 2.6            |



# Slotted Set Screws Cup Point

Cup Point - steel, zinc-plated

Standard Screws



**P0276.ZP**

STANDARD SCREWS

## Material

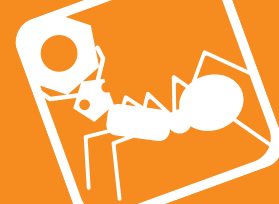
Steel, zinc-plated (class 14H).

## Technical Notes

To DIN 438, cup point.

| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> |
|------------------|----------------|----------------|----------------|------------------------|----------------|
| P0276.020-003-ZP | M 2            | 3              | 0.75           | 0.8                    | 0.25           |
| P0276.020-004-ZP | M 2            | 4              | 0.75           | 0.8                    | 0.25           |
| P0276.020-005-ZP | M 2            | 5              | 0.75           | 0.8                    | 0.25           |
| P0276.020-006-ZP | M 2            | 6              | 0.75           | 0.8                    | 0.25           |
| P0276.020-008-ZP | M 2            | 8              | 0.75           | 0.8                    | 0.25           |
| P0276.020-010-ZP | M 2            | 10             | 0.75           | 0.8                    | 0.25           |
| P0276.020-012-ZP | M 2            | 12             | 0.75           | 0.8                    | 0.25           |
| P0276.020-016-ZP | M 2            | 16             | 0.75           | 0.8                    | 0.25           |
| P0276.025-003-ZP | M2,5           | 3              | 0.95           | 1.2                    | 0.4            |
| P0276.025-004-ZP | M2,5           | 4              | 0.95           | 1.2                    | 0.4            |
| P0276.025-005-ZP | M2,5           | 5              | 0.95           | 1.2                    | 0.4            |
| P0276.025-006-ZP | M2,5           | 6              | 0.95           | 1.2                    | 0.4            |
| P0276.025-008-ZP | M2,5           | 8              | 0.95           | 1.2                    | 0.4            |
| P0276.025-010-ZP | M2,5           | 10             | 0.95           | 1.2                    | 0.4            |
| P0276.025-012-ZP | M2,5           | 12             | 0.95           | 1.2                    | 0.4            |
| P0276.025-016-ZP | M2,5           | 16             | 0.95           | 1.2                    | 0.4            |
| P0276.030-003-ZP | M 3            | 3              | 1.15           | 1.2                    | 0.4            |
| P0276.030-004-ZP | M 3            | 4              | 1.15           | 1.2                    | 0.4            |
| P0276.030-005-ZP | M 3            | 5              | 1.15           | 1.2                    | 0.4            |
| P0276.030-006-ZP | M 3            | 6              | 1.15           | 1.2                    | 0.4            |
| P0276.030-008-ZP | M 3            | 8              | 1.15           | 1.2                    | 0.4            |
| P0276.030-010-ZP | M 3            | 10             | 1.15           | 1.2                    | 0.4            |
| P0276.030-012-ZP | M 3            | 12             | 1.15           | 1.2                    | 0.4            |
| P0276.030-014-ZP | M 3            | 14             | 1.15           | 1.2                    | 0.4            |
| P0276.030-016-ZP | M 3            | 16             | 1.15           | 1.2                    | 0.4            |
| P0276.030-020-ZP | M 3            | 20             | 1.15           | 1.2                    | 0.4            |
| P0276.030-025-ZP | M 3            | 25             | 1.15           | 1.2                    | 0.4            |
| P0276.030-030-ZP | M 3            | 30             | 1.15           | 1.2                    | 0.4            |
| P0276.040-003-ZP | M 4            | 3              | 1.75           | 1.5                    | 0.6            |
| P0276.040-004-ZP | M 4            | 4              | 1.75           | 1.5                    | 0.6            |
| P0276.040-005-ZP | M 4            | 5              | 1.75           | 1.5                    | 0.6            |
| P0276.040-006-ZP | M 4            | 6              | 1.75           | 1.5                    | 0.6            |
| P0276.040-008-ZP | M 4            | 8              | 1.75           | 1.5                    | 0.6            |
| P0276.040-010-ZP | M 4            | 10             | 1.75           | 1.5                    | 0.6            |





| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> |
|------------------|----------------|----------------|----------------|------------------------|----------------|
| P0276.040-012-ZP | M 4            | 12             | 1.75           | 1.5                    | 0.6            |
| P0276.040-014-ZP | M 4            | 14             | 1.75           | 1.5                    | 0.6            |
| P0276.040-016-ZP | M 4            | 16             | 1.75           | 1.5                    | 0.6            |
| P0276.040-020-ZP | M 4            | 20             | 1.75           | 1.5                    | 0.6            |
| P0276.040-025-ZP | M 4            | 25             | 1.75           | 1.5                    | 0.6            |
| P0276.040-030-ZP | M 4            | 30             | 1.75           | 1.5                    | 0.6            |
| P0276.040-035-ZP | M 4            | 35             | 1.75           | 1.5                    | 0.6            |
| P0276.040-040-ZP | M 4            | 40             | 1.75           | 1.5                    | 0.6            |
| P0276.050-004-ZP | M 5            | 4              | 2.25           | 2.0                    | 0.8            |
| P0276.050-005-ZP | M 5            | 5              | 2.25           | 2.0                    | 0.8            |
| P0276.050-006-ZP | M 5            | 6              | 2.25           | 2.0                    | 0.8            |
| P0276.050-008-ZP | M 5            | 8              | 2.25           | 2.0                    | 0.8            |
| P0276.050-010-ZP | M 5            | 10             | 2.25           | 2.0                    | 0.8            |
| P0276.050-012-ZP | M 5            | 12             | 2.25           | 2.0                    | 0.8            |
| P0276.050-014-ZP | M 5            | 14             | 2.25           | 2.0                    | 0.8            |
| P0276.050-016-ZP | M 5            | 16             | 2.25           | 2.0                    | 0.8            |
| P0276.050-020-ZP | M 5            | 20             | 2.25           | 2.0                    | 0.8            |
| P0276.050-025-ZP | M 5            | 25             | 2.25           | 2.0                    | 0.8            |
| P0276.050-030-ZP | M 5            | 30             | 2.25           | 2.0                    | 0.8            |
| P0276.050-035-ZP | M 5            | 35             | 2.25           | 2.0                    | 0.8            |
| P0276.050-040-ZP | M 5            | 40             | 2.25           | 2.0                    | 0.8            |
| P0276.060-005-ZP | M 6            | 5              | 2.75           | 2.0                    | 1.0            |
| P0276.060-006-ZP | M 6            | 6              | 2.75           | 2.0                    | 1.0            |
| P0276.060-008-ZP | M 6            | 8              | 2.75           | 2.0                    | 1.0            |
| P0276.060-010-ZP | M 6            | 10             | 2.75           | 2.0                    | 1.0            |
| P0276.060-012-ZP | M 6            | 12             | 2.75           | 2.0                    | 1.0            |
| P0276.060-014-ZP | M 6            | 14             | 2.75           | 2.0                    | 1.0            |
| P0276.060-016-ZP | M 6            | 16             | 2.75           | 2.0                    | 1.0            |
| P0276.060-018-ZP | M 6            | 18             | 2.75           | 2.0                    | 1.0            |
| P0276.060-020-ZP | M 6            | 20             | 2.75           | 2.0                    | 1.0            |
| P0276.060-025-ZP | M 6            | 25             | 2.75           | 2.0                    | 1.0            |
| P0276.060-030-ZP | M 6            | 30             | 2.75           | 2.0                    | 1.0            |
| P0276.060-035-ZP | M 6            | 35             | 2.75           | 2.0                    | 1.0            |
| P0276.060-040-ZP | M 6            | 40             | 2.75           | 2.0                    | 1.0            |
| P0276.060-045-ZP | M 6            | 45             | 2.75           | 2.0                    | 1.0            |
| P0276.060-050-ZP | M 6            | 50             | 2.75           | 2.0                    | 1.0            |
| P0276.060-055-ZP | M 6            | 55             | 2.75           | 2.0                    | 1.0            |
| P0276.060-060-ZP | M 6            | 60             | 2.75           | 2.0                    | 1.0            |
| P0276.080-006-ZP | M 8            | 6              | 4.70           | 3.0                    | 1.2            |
| P0276.080-008-ZP | M 8            | 8              | 4.70           | 3.0                    | 1.2            |
| P0276.080-010-ZP | M 8            | 10             | 4.70           | 3.0                    | 1.2            |
| P0276.080-012-ZP | M 8            | 12             | 4.70           | 3.0                    | 1.2            |
| P0276.080-014-ZP | M 8            | 14             | 4.70           | 3.0                    | 1.2            |
| P0276.080-016-ZP | M 8            | 16             | 4.70           | 3.0                    | 1.2            |
| P0276.080-018-ZP | M 8            | 18             | 4.70           | 3.0                    | 1.2            |
| P0276.080-020-ZP | M 8            | 20             | 4.70           | 3.0                    | 1.2            |
| P0276.080-025-ZP | M 8            | 25             | 4.70           | 3.0                    | 1.2            |
| P0276.080-030-ZP | M 8            | 30             | 4.70           | 3.0                    | 1.2            |
| P0276.080-035-ZP | M 8            | 35             | 4.70           | 3.0                    | 1.2            |
| P0276.080-040-ZP | M 8            | 40             | 4.70           | 3.0                    | 1.2            |
| P0276.080-050-ZP | M 8            | 50             | 4.70           | 3.0                    | 1.2            |
| P0276.080-060-ZP | M 8            | 60             | 4.70           | 3.0                    | 1.2            |
| P0276.080-070-ZP | M 8            | 70             | 4.70           | 3.0                    | 1.2            |
| P0276.080-080-ZP | M 8            | 80             | 4.70           | 3.0                    | 1.2            |
| P0276.100-010-ZP | M10            | 10             | 5.70           | 4.0                    | 1.6            |
| P0276.100-012-ZP | M10            | 12             | 5.70           | 4.0                    | 1.6            |
| P0276.100-016-ZP | M10            | 16             | 5.70           | 4.0                    | 1.6            |
| P0276.100-020-ZP | M10            | 20             | 5.70           | 4.0                    | 1.6            |
| P0276.100-025-ZP | M10            | 25             | 5.70           | 4.0                    | 1.6            |
| P0276.100-030-ZP | M10            | 30             | 5.70           | 4.0                    | 1.6            |
| P0276.100-035-ZP | M10            | 35             | 5.70           | 4.0                    | 1.6            |
| P0276.100-040-ZP | M10            | 40             | 5.70           | 4.0                    | 1.6            |
| P0276.100-045-ZP | M10            | 45             | 5.70           | 4.0                    | 1.6            |
| P0276.100-050-ZP | M10            | 50             | 5.70           | 4.0                    | 1.6            |
| P0276.100-055-ZP | M10            | 55             | 5.70           | 4.0                    | 1.6            |
| P0276.100-060-ZP | M10            | 60             | 5.70           | 4.0                    | 1.6            |
| P0276.100-070-ZP | M10            | 70             | 5.70           | 4.0                    | 1.6            |
| P0276.100-080-ZP | M10            | 80             | 5.70           | 4.0                    | 1.6            |





# Slotted Set Screws Cup Point

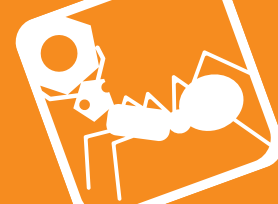
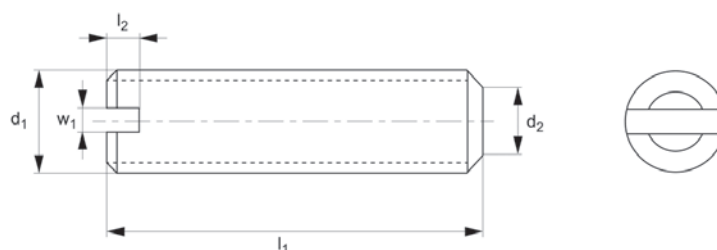
Cup Point - steel, zinc-plated

Standard Screws



| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> |
|------------------|----------------|----------------|----------------|------------------------|----------------|
| P0276.120-010-ZP | M12            | 12             | 7.64           | 4.8                    | 2.0            |
| P0276.120-012-ZP | M12            | 12             | 7.64           | 4.8                    | 2.0            |
| P0276.120-016-ZP | M12            | 16             | 7.64           | 4.8                    | 2.0            |
| P0276.120-020-ZP | M12            | 20             | 7.64           | 4.8                    | 2.0            |
| P0276.120-025-ZP | M12            | 25             | 7.64           | 4.8                    | 2.0            |
| P0276.120-030-ZP | M12            | 30             | 7.64           | 4.8                    | 2.0            |
| P0276.120-035-ZP | M12            | 35             | 7.64           | 4.8                    | 2.0            |
| P0276.120-040-ZP | M12            | 40             | 7.64           | 4.8                    | 2.0            |
| P0276.120-045-ZP | M12            | 45             | 7.64           | 4.8                    | 2.0            |
| P0276.120-050-ZP | M12            | 50             | 7.64           | 4.8                    | 2.0            |
| P0276.120-055-ZP | M12            | 55             | 7.64           | 4.8                    | 2.0            |
| P0276.120-060-ZP | M12            | 60             | 7.64           | 4.8                    | 2.0            |
| P0276.120-070-ZP | M12            | 70             | 7.64           | 4.8                    | 2.0            |
| P0276.120-080-ZP | M12            | 80             | 7.64           | 4.8                    | 2.0            |
| P0276.120-090-ZP | M12            | 90             | 7.64           | 4.8                    | 2.0            |
| P0276.120-100-ZP | M12            | 100            | 7.64           | 4.8                    | 2.0            |
| P0276.160-016-ZP | M16            | 16             | 9.64           | 6.4                    | 2.2            |
| P0276.160-020-ZP | M16            | 20             | 9.64           | 6.4                    | 2.2            |
| P0276.160-025-ZP | M16            | 25             | 9.64           | 6.4                    | 2.2            |
| P0276.160-030-ZP | M16            | 30             | 9.64           | 6.4                    | 2.2            |
| P0276.160-035-ZP | M16            | 35             | 9.64           | 6.4                    | 2.2            |
| P0276.160-040-ZP | M16            | 40             | 9.64           | 6.4                    | 2.2            |
| P0276.160-045-ZP | M16            | 45             | 9.64           | 6.4                    | 2.2            |
| P0276.160-050-ZP | M16            | 50             | 9.64           | 6.4                    | 2.2            |
| P0276.160-055-ZP | M16            | 55             | 9.64           | 6.4                    | 2.2            |
| P0276.160-060-ZP | M16            | 60             | 9.64           | 6.4                    | 2.2            |
| P0276.160-070-ZP | M16            | 70             | 9.64           | 6.4                    | 2.2            |
| P0276.160-080-ZP | M16            | 80             | 9.64           | 6.4                    | 2.2            |
| P0276.160-090-ZP | M16            | 90             | 9.64           | 6.4                    | 2.2            |
| P0276.160-100-ZP | M16            | 100            | 9.64           | 6.4                    | 2.2            |
| P0276.200-020-ZP | M20            | 20             | 13.57          | 8.0                    | 2.6            |
| P0276.200-025-ZP | M20            | 25             | 13.57          | 8.0                    | 2.6            |
| P0276.200-030-ZP | M20            | 30             | 13.57          | 8.0                    | 2.6            |
| P0276.200-035-ZP | M20            | 35             | 13.57          | 8.0                    | 2.6            |
| P0276.200-040-ZP | M20            | 40             | 13.57          | 8.0                    | 2.6            |
| P0276.200-045-ZP | M20            | 45             | 13.57          | 8.0                    | 2.6            |
| P0276.200-050-ZP | M20            | 50             | 13.57          | 8.0                    | 2.6            |
| P0276.200-055-ZP | M20            | 55             | 13.57          | 8.0                    | 2.6            |
| P0276.200-060-ZP | M20            | 60             | 13.57          | 8.0                    | 2.6            |
| P0276.200-070-ZP | M20            | 70             | 13.57          | 8.0                    | 2.6            |
| P0276.200-080-ZP | M20            | 80             | 13.57          | 8.0                    | 2.6            |
| P0276.200-090-ZP | M20            | 90             | 13.57          | 8.0                    | 2.6            |
| P0276.200-100-ZP | M20            | 100            | 13.57          | 8.0                    | 2.6            |

STANDARD SCREWS


**P0277.A2**

**Material**

Stainless steel (A2).

See technical page for tightening torques.

**Technical Notes**

To DIN 551, flat point.

| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> | Size     |
|------------------|----------------|----------------|----------------|------------------------|----------------|----------|
| P0277.016-002-A2 | M1,6           | 2              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-003-A2 | M1,6           | 3              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-004-A2 | M1,6           | 4              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-005-A2 | M1,6           | 5              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-006-A2 | M1,6           | 6              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-008-A2 | M1,6           | 8              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-010-A2 | M1,6           | 10             | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.020-002-A2 | M 2            | 2              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-003-A2 | M 2            | 3              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-004-A2 | M 2            | 4              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-005-A2 | M 2            | 5              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-006-A2 | M 2            | 6              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-008-A2 | M 2            | 8              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-010-A2 | M 2            | 10             | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.025-003-A2 | M2,5           | 3              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-004-A2 | M2,5           | 4              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-005-A2 | M2,5           | 5              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-006-A2 | M2,5           | 6              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-008-A2 | M2,5           | 8              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-010-A2 | M2,5           | 10             | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.030-003-A2 | M 3            | 3              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-004-A2 | M 3            | 4              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-005-A2 | M 3            | 5              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-006-A2 | M 3            | 6              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-008-A2 | M 3            | 8              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-010-A2 | M 3            | 10             | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-012-A2 | M 3            | 12             | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-016-A2 | M 3            | 16             | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-020-A2 | M 3            | 20             | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.040-004-A2 | M 4            | 4              | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-005-A2 | M 4            | 5              | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-006-A2 | M 4            | 6              | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-008-A2 | M 4            | 8              | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-010-A2 | M 4            | 10             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |



# Slotted Set Screws Flat Point

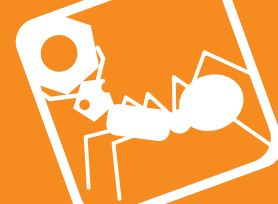
## Flat Point - A2 stainless

Standard Screws



| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> | Size     |
|------------------|----------------|----------------|----------------|------------------------|----------------|----------|
| P0277.040-012-A2 | M 4            | 12             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-016-A2 | M 4            | 16             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-020-A2 | M 4            | 20             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-025-A2 | M 4            | 25             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-030-A2 | M 4            | 30             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-035-A2 | M 4            | 35             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-040-A2 | M 4            | 40             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-045-A2 | M 4            | 45             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-050-A2 | M 4            | 50             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.050-005-A2 | M 5            | 5              | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-006-A2 | M 5            | 6              | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-008-A2 | M 5            | 8              | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-010-A2 | M 5            | 10             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-012-A2 | M 5            | 12             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-016-A2 | M 5            | 16             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-020-A2 | M 5            | 20             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-025-A2 | M 5            | 25             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-030-A2 | M 5            | 30             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-035-A2 | M 5            | 35             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-040-A2 | M 5            | 40             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-045-A2 | M 5            | 45             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-050-A2 | M 5            | 50             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.060-006-A2 | M 6            | 6              | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-008-A2 | M 6            | 8              | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-010-A2 | M 6            | 10             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-012-A2 | M 6            | 12             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-016-A2 | M 6            | 16             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-020-A2 | M 6            | 20             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-025-A2 | M 6            | 25             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-030-A2 | M 6            | 30             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-035-A2 | M 6            | 35             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-040-A2 | M 6            | 40             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-050-A2 | M 6            | 50             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-060-A2 | M 6            | 60             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.080-008-A2 | M8             | 8              | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-010-A2 | M8             | 10             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-012-A2 | M8             | 12             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-016-A2 | M8             | 16             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-020-A2 | M8             | 20             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-025-A2 | M8             | 25             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-030-A2 | M8             | 30             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-035-A2 | M8             | 35             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-040-A2 | M8             | 40             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-045-A2 | M8             | 45             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-050-A2 | M8             | 50             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-055-A2 | M8             | 55             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-060-A2 | M8             | 60             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-070-A2 | M8             | 70             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.100-010-A2 | M10            | 10             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-012-A2 | M10            | 12             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.120-012-A2 | M12            | 12             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-016-A2 | M12            | 16             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-020-A2 | M12            | 20             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-025-A2 | M12            | 25             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-030-A2 | M12            | 30             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-035-A2 | M12            | 35             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-040-A2 | M12            | 40             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-045-A2 | M12            | 45             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-050-A2 | M12            | 50             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-055-A2 | M12            | 55             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-060-A2 | M12            | 60             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-070-A2 | M12            | 70             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-080-A2 | M12            | 80             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.100-016-A2 | M10            | 16             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-020-A2 | M10            | 20             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-025-A2 | M10            | 25             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-030-A2 | M10            | 30             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-035-A2 | M10            | 35             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |

STANDARD SCREWS



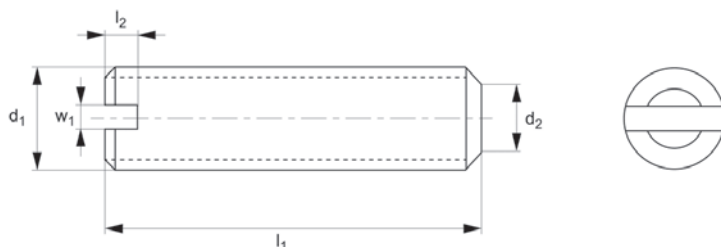
| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> | Size    |
|------------------|----------------|----------------|----------------|------------------------|----------------|---------|
| P0277.100-040-A2 | M10            | 40             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-045-A2 | M10            | 45             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-050-A2 | M10            | 50             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-055-A2 | M10            | 55             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-060-A2 | M10            | 60             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-070-A2 | M10            | 70             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-080-A2 | M10            | 80             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |



# Slotted Set Screws Flat Point

## Flat Point - A4 stainless

Standard Screws



**P0277.A4**

STANDARD SCREWS

### Material

Stainless steel (A4).

See technical page for tightening torques.

### Technical Notes

To DIN 551, flat point.

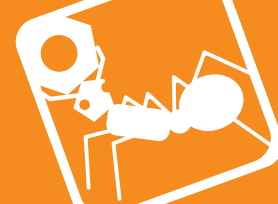
| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> | Size     |
|------------------|----------------|----------------|----------------|------------------------|----------------|----------|
| P0277.016-002-A4 | M1,6           | 2              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-003-A4 | M1,6           | 3              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-004-A4 | M1,6           | 4              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-005-A4 | M1,6           | 5              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-006-A4 | M1,6           | 6              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-008-A4 | M1,6           | 8              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-010-A4 | M1,6           | 10             | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.020-002-A4 | M 2            | 2              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-003-A4 | M 2            | 3              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-004-A4 | M 2            | 4              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-005-A4 | M 2            | 5              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-006-A4 | M 2            | 6              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-008-A4 | M 2            | 8              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-010-A4 | M 2            | 10             | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.025-003-A4 | M2,5           | 3              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-004-A4 | M2,5           | 4              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-005-A4 | M2,5           | 5              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-006-A4 | M2,5           | 6              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-008-A4 | M2,5           | 8              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-010-A4 | M2,5           | 10             | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.030-003-A4 | M 3            | 3              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-004-A4 | M 3            | 4              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-005-A4 | M 3            | 5              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-006-A4 | M 3            | 6              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-008-A4 | M 3            | 8              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-010-A4 | M 3            | 10             | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-012-A4 | M 3            | 12             | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-016-A4 | M 3            | 16             | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-020-A4 | M 3            | 20             | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.040-004-A4 | M 4            | 4              | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-005-A4 | M 4            | 5              | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-006-A4 | M 4            | 6              | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-008-A4 | M 4            | 8              | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-010-A4 | M 4            | 10             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |



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| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> | Size     |
|------------------|----------------|----------------|----------------|------------------------|----------------|----------|
| P0277.040-012-A4 | M 4            | 12             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-016-A4 | M 4            | 16             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-020-A4 | M 4            | 20             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-025-A4 | M 4            | 25             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-030-A4 | M 4            | 30             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-035-A4 | M 4            | 35             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-040-A4 | M 4            | 40             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-045-A4 | M 4            | 45             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-050-A4 | M 4            | 50             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.050-005-A4 | M 5            | 5              | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-006-A4 | M 5            | 6              | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-008-A4 | M 5            | 8              | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-010-A4 | M 5            | 10             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-012-A4 | M 5            | 12             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-016-A4 | M 5            | 16             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-020-A4 | M 5            | 20             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-025-A4 | M 5            | 25             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-030-A4 | M 5            | 30             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-035-A4 | M 5            | 35             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-040-A4 | M 5            | 40             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-045-A4 | M 5            | 45             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-050-A4 | M 5            | 50             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.060-006-A4 | M 6            | 6              | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-008-A4 | M 6            | 8              | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-010-A4 | M 6            | 10             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-012-A4 | M 6            | 12             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-016-A4 | M 6            | 16             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-020-A4 | M 6            | 20             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-025-A4 | M 6            | 25             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-030-A4 | M 6            | 30             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-035-A4 | M 6            | 35             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-040-A4 | M 6            | 40             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-050-A4 | M 6            | 50             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-060-A4 | M 6            | 60             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.080-008-A4 | M 8            | 8              | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-010-A4 | M 8            | 10             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-012-A4 | M 8            | 12             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-016-A4 | M 8            | 16             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-020-A4 | M 8            | 20             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-025-A4 | M 8            | 25             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-030-A4 | M 8            | 30             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-035-A4 | M 8            | 35             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-040-A4 | M 8            | 40             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-045-A4 | M 8            | 45             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-050-A4 | M 8            | 50             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-055-A4 | M 8            | 55             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-060-A4 | M 8            | 60             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-070-A4 | M 8            | 70             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.100-010-A4 | M10            | 10             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-012-A4 | M10            | 12             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.120-012-A4 | M12            | 12             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-016-A4 | M12            | 16             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-020-A4 | M12            | 20             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-025-A4 | M12            | 25             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-030-A4 | M12            | 30             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-035-A4 | M12            | 35             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-040-A4 | M12            | 40             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-045-A4 | M12            | 45             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-050-A4 | M12            | 50             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-055-A4 | M12            | 55             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-060-A4 | M12            | 60             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-070-A4 | M12            | 70             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-080-A4 | M12            | 80             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.100-016-A4 | M10            | 16             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-020-A4 | M10            | 20             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-025-A4 | M10            | 25             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-030-A4 | M10            | 30             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-035-A4 | M10            | 35             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |



## Slotted Set Screws Flat Point

Flat Point - A4 stainless

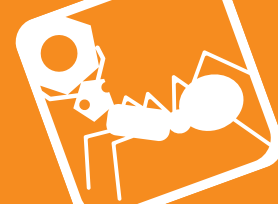
## Standard Screws



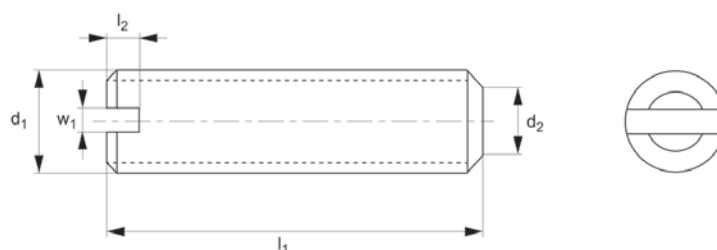
| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> | Size    |
|------------------|----------------|----------------|----------------|------------------------|----------------|---------|
| P0277.100-040-A4 | M10            | 40             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-045-A4 | M10            | 45             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-050-A4 | M10            | 50             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-055-A4 | M10            | 55             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-060-A4 | M10            | 60             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-070-A4 | M10            | 70             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-080-A4 | M10            | 80             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |

STANDARD SCREWS





## P0277.ZP



### Material

Steel, zinc-plated (class 14H).

### Technical Notes

To DIN 551, flat point.

| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> | Size     |
|------------------|----------------|----------------|----------------|------------------------|----------------|----------|
| P0277.016-002-ZP | M1,6           | 2              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-003-ZP | M1,6           | 3              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-004-ZP | M1,6           | 4              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-005-ZP | M1,6           | 5              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-006-ZP | M1,6           | 6              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-008-ZP | M1,6           | 8              | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.016-010-ZP | M1,6           | 10             | 0.55           | 0.74                   | 0.25           | 0,16X0,8 |
| P0277.020-002-ZP | M 2            | 2              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-003-ZP | M 2            | 3              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-004-ZP | M 2            | 4              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-005-ZP | M 2            | 5              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-006-ZP | M 2            | 6              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-008-ZP | M 2            | 8              | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.020-010-ZP | M 2            | 10             | 0.75           | 0.84                   | 0.25           | 0,25X1,2 |
| P0277.025-003-ZP | M2,5           | 3              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-004-ZP | M2,5           | 4              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-005-ZP | M2,5           | 5              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-006-ZP | M2,5           | 6              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-008-ZP | M2,5           | 8              | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.025-010-ZP | M2,5           | 10             | 1.25           | 0.95                   | 0.40           | 0,4X2,0  |
| P0277.030-003-ZP | M 3            | 3              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-004-ZP | M 3            | 4              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-005-ZP | M 3            | 5              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-006-ZP | M 3            | 6              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-008-ZP | M 3            | 8              | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-010-ZP | M 3            | 10             | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-012-ZP | M 3            | 12             | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-016-ZP | M 3            | 16             | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.030-020-ZP | M 3            | 20             | 1.75           | 1.05                   | 0.40           | 0,4X2,0  |
| P0277.040-004-ZP | M 4            | 4              | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-005-ZP | M 4            | 5              | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-006-ZP | M 4            | 6              | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-008-ZP | M 4            | 8              | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-010-ZP | M 4            | 10             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |



# Slotted Set Screws Flat Point

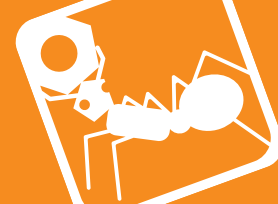
Flat Point - steel, zinc-plated

Standard Screws



| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> | Size     |
|------------------|----------------|----------------|----------------|------------------------|----------------|----------|
| P0277.040-012-ZP | M 4            | 12             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-016-ZP | M 4            | 16             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-020-ZP | M 4            | 20             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-025-ZP | M 4            | 25             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-030-ZP | M 4            | 30             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-035-ZP | M 4            | 35             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-040-ZP | M 4            | 40             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-045-ZP | M 4            | 45             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.040-050-ZP | M 4            | 50             | 2.25           | 1.42                   | 0.60           | 0,6X3,5  |
| P0277.050-005-ZP | M 5            | 5              | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-006-ZP | M 5            | 6              | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-008-ZP | M 5            | 8              | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-010-ZP | M 5            | 10             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-012-ZP | M 5            | 12             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-016-ZP | M 5            | 16             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-020-ZP | M 5            | 20             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-025-ZP | M 5            | 25             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-030-ZP | M 5            | 30             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-035-ZP | M 5            | 35             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-040-ZP | M 5            | 40             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-045-ZP | M 5            | 45             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.050-050-ZP | M 5            | 50             | 3.20           | 1.63                   | 0.80           | 0,8X4,0  |
| P0277.060-006-ZP | M 6            | 6              | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-008-ZP | M 6            | 8              | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-010-ZP | M 6            | 10             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-012-ZP | M 6            | 12             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-016-ZP | M 6            | 16             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-020-ZP | M 6            | 20             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-025-ZP | M 6            | 25             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-030-ZP | M 6            | 30             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-035-ZP | M 6            | 35             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-040-ZP | M 6            | 40             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-050-ZP | M 6            | 50             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.060-060-ZP | M 6            | 60             | 3.70           | 2.00                   | 1.00           | 1,0X5,5  |
| P0277.080-008-ZP | M 8            | 8              | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-010-ZP | M 8            | 10             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-012-ZP | M 8            | 12             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-016-ZP | M 8            | 16             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-020-ZP | M 8            | 20             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-025-ZP | M 8            | 25             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-030-ZP | M 8            | 30             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-035-ZP | M 8            | 35             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-040-ZP | M 8            | 40             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-045-ZP | M 8            | 45             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-050-ZP | M 8            | 50             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-055-ZP | M 8            | 55             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-060-ZP | M 8            | 60             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.080-070-ZP | M 8            | 70             | 5.20           | 2.50                   | 1.20           | 1,2X7,0  |
| P0277.100-010-ZP | M10            | 10             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-012-ZP | M10            | 12             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.120-012-ZP | M12            | 12             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-016-ZP | M12            | 16             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-020-ZP | M12            | 20             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-025-ZP | M12            | 25             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-030-ZP | M12            | 30             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-035-ZP | M12            | 35             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-040-ZP | M12            | 40             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-045-ZP | M12            | 45             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-050-ZP | M12            | 50             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-055-ZP | M12            | 55             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-060-ZP | M12            | 60             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-070-ZP | M12            | 70             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.120-080-ZP | M12            | 80             | 8.14           | 3.60                   | 2.00           | 2,0X12,0 |
| P0277.100-016-ZP | M10            | 16             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-020-ZP | M10            | 20             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-025-ZP | M10            | 25             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-030-ZP | M10            | 30             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |
| P0277.100-035-ZP | M10            | 35             | 6.64           | 3.00                   | 1.60           | 1,6X9,0  |

STANDARD SCREWS



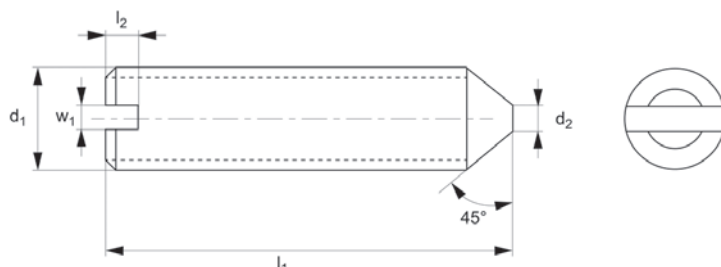
| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> | Size    |
|------------------|----------------|----------------|----------------|------------------------|----------------|---------|
| P0277.100-040-ZP | M10            | 40             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-045-ZP | M10            | 45             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-050-ZP | M10            | 50             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-055-ZP | M10            | 55             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-060-ZP | M10            | 60             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-070-ZP | M10            | 70             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |
| P0277.100-080-ZP | M10            | 80             | 6.64           | 3.00                   | 1.60           | 1,6X9,0 |



# Slotted Set Screws Cone Point

Cone Point - steel, zinc-plated

Standard Screws



**P0278.ZP**

STANDARD SCREWS

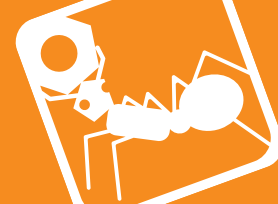
## Material

Steel, zinc-plated (class 14H).

## Technical Notes

To DIN 553, cone point.

| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> | Size    |
|------------------|----------------|----------------|----------------|------------------------|----------------|---------|
| P0278.025-005-ZP | M2,5           | 5              | 0.25           | 0.95                   | 0.4            | 0,4X2,0 |
| P0278.025-006-ZP | M2,5           | 6              | 0.25           | 0.95                   | 0.4            | 0,4X2,0 |
| P0278.025-008-ZP | M2,5           | 8              | 0.25           | 0.95                   | 0.4            | 0,4X2,0 |
| P0278.025-010-ZP | M2,5           | 10             | 0.25           | 0.95                   | 0.4            | 0,4X2,0 |
| P0278.025-012-ZP | M2,5           | 12             | 0.25           | 0.95                   | 0.4            | 0,4X2,0 |
| P0278.025-016-ZP | M2,5           | 16             | 0.25           | 0.95                   | 0.4            | 0,4X2,0 |
| P0278.030-004-ZP | M 3            | 4              | 0.30           | 1.05                   | 0.4            | 0,4X2,0 |
| P0278.030-005-ZP | M 3            | 5              | 0.30           | 1.05                   | 0.4            | 0,4X2,0 |
| P0278.030-006-ZP | M 3            | 6              | 0.30           | 1.05                   | 0.4            | 0,4X2,0 |
| P0278.030-008-ZP | M 3            | 8              | 0.30           | 1.05                   | 0.4            | 0,4X2,0 |
| P0278.030-010-ZP | M 3            | 10             | 0.30           | 1.05                   | 0.4            | 0,4X2,0 |
| P0278.030-012-ZP | M 3            | 12             | 0.30           | 1.05                   | 0.4            | 0,4X2,0 |
| P0278.030-016-ZP | M 3            | 16             | 0.30           | 1.05                   | 0.4            | 0,4X2,0 |
| P0278.030-020-ZP | M 3            | 20             | 0.30           | 1.05                   | 0.4            | 0,4X2,0 |
| P0278.040-004-ZP | M 4            | 4              | 0.40           | 1.42                   | 0.6            | 0,6X3,5 |
| P0278.040-005-ZP | M 4            | 5              | 0.40           | 1.42                   | 0.6            | 0,6X3,5 |
| P0278.040-006-ZP | M 4            | 6              | 0.40           | 1.42                   | 0.6            | 0,6X3,5 |
| P0278.040-008-ZP | M 4            | 8              | 0.40           | 1.42                   | 0.6            | 0,6X3,5 |
| P0278.040-010-ZP | M 4            | 10             | 0.40           | 1.42                   | 0.6            | 0,6X3,5 |
| P0278.040-012-ZP | M 4            | 12             | 0.40           | 1.42                   | 0.6            | 0,6X3,5 |
| P0278.040-014-ZP | M 4            | 14             | 0.40           | 1.42                   | 0.6            | 0,6X3,5 |
| P0278.040-016-ZP | M 4            | 16             | 0.40           | 1.42                   | 0.6            | 0,6X3,5 |
| P0278.040-020-ZP | M 4            | 20             | 0.40           | 1.42                   | 0.6            | 0,6X3,5 |
| P0278.040-025-ZP | M 4            | 25             | 0.40           | 1.42                   | 0.6            | 0,6X3,5 |
| P0278.040-030-ZP | M 4            | 30             | 0.40           | 1.42                   | 0.6            | 0,6X3,5 |
| P0278.040-035-ZP | M 4            | 35             | 0.40           | 1.42                   | 0.6            | 0,6X3,5 |
| P0278.040-040-ZP | M 4            | 40             | 0.40           | 1.42                   | 0.6            | 0,6X3,5 |
| P0278.050-005-ZP | M 5            | 5              | 0.50           | 1.63                   | 0.8            | 0,8X4,0 |
| P0278.050-006-ZP | M 5            | 6              | 0.50           | 1.63                   | 0.8            | 0,8X4,0 |
| P0278.050-008-ZP | M 5            | 8              | 0.50           | 1.63                   | 0.8            | 0,8X4,0 |
| P0278.050-010-ZP | M 5            | 10             | 0.50           | 1.63                   | 0.8            | 0,8X4,0 |
| P0278.050-012-ZP | M 5            | 12             | 0.50           | 1.63                   | 0.8            | 0,8X4,0 |
| P0278.050-014-ZP | M 5            | 14             | 0.50           | 1.63                   | 0.8            | 0,8X4,0 |
| P0278.050-016-ZP | M 5            | 16             | 0.50           | 1.63                   | 0.8            | 0,8X4,0 |



| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | l <sub>2</sub><br>min. | w <sub>1</sub> | Size     |
|------------------|----------------|----------------|----------------|------------------------|----------------|----------|
| P0278.050-020-ZP | M 5            | 20             | 0.50           | 1.63                   | 0.8            | 0,8X4,0  |
| P0286.050-025-ZP | M 5            | 25             | 0.50           | 1.63                   | 0.8            | 0,8X4,0  |
| P0278.050-030-ZP | M 5            | 30             | 0.50           | 1.63                   | 0.8            | 0,8X4,0  |
| P0278.050-035-ZP | M 5            | 35             | 0.50           | 1.63                   | 0.8            | 0,8X4,0  |
| P0278.050-040-ZP | M 5            | 40             | 0.50           | 1.63                   | 0.8            | 0,8X4,0  |
| P0278.060-006-ZP | M 6            | 6              | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.060-008-ZP | M 6            | 8              | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.060-010-ZP | M 6            | 10             | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.060-012-ZP | M 6            | 12             | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.060-014-ZP | M 6            | 14             | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.060-016-ZP | M 6            | 16             | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.060-018-ZP | M 6            | 18             | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.060-020-ZP | M 6            | 20             | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.060-025-ZP | M 6            | 25             | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.060-030-ZP | M 6            | 30             | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.060-035-ZP | M 6            | 35             | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.060-040-ZP | M 6            | 40             | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.060-045-ZP | M 6            | 45             | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.060-050-ZP | M 6            | 50             | 1.50           | 2.0                    | 1.0            | 1,0X5,5  |
| P0278.080-008-ZP | M 8            | 8              | 2.00           | 2.50                   | 1.2            | 1,2X7,0  |
| P0278.080-010-ZP | M 8            | 10             | 2.00           | 2.50                   | 1.2            | 1,2X7,0  |
| P0278.080-012-ZP | M 8            | 12             | 2.00           | 2.50                   | 1.2            | 1,2X7,0  |
| P0278.080-014-ZP | M 8            | 14             | 2.00           | 2.50                   | 1.2            | 1,2X7,0  |
| P0278.080-016-ZP | M 8            | 16             | 2.00           | 2.50                   | 1.2            | 1,2X7,0  |
| P0278.080-018-ZP | M 8            | 18             | 2.00           | 2.50                   | 1.2            | 1,2X7,0  |
| P0278.080-020-ZP | M 8            | 20             | 2.00           | 2.50                   | 1.2            | 1,2X7,0  |
| P0278.080-025-ZP | M 8            | 25             | 2.00           | 2.50                   | 1.2            | 1,2X7,0  |
| P0278.080-030-ZP | M 8            | 30             | 2.00           | 2.50                   | 1.2            | 1,2X7,0  |
| P0278.080-035-ZP | M 8            | 35             | 2.00           | 2.50                   | 1.2            | 1,2X7,0  |
| P0278.080-040-ZP | M 8            | 40             | 2.00           | 2.50                   | 1.2            | 1,2X7,0  |
| P0278.080-050-ZP | M 8            | 50             | 2.00           | 2.50                   | 1.2            | 1,2X7,0  |
| P0278.100-010-ZP | M10            | 10             | 2.50           | 3.00                   | 1.6            | 1,6X9,0  |
| P0278.100-012-ZP | M10            | 12             | 2.50           | 3.00                   | 1.6            | 1,6X9,0  |
| P0278.100-016-ZP | M10            | 16             | 2.50           | 3.00                   | 1.6            | 1,6X9,0  |
| P0278.100-020-ZP | M10            | 20             | 2.50           | 3.00                   | 1.6            | 1,6X9,0  |
| P0278.100-025-ZP | M10            | 25             | 2.50           | 3.00                   | 1.6            | 1,6X9,0  |
| P0278.100-030-ZP | M10            | 30             | 2.50           | 3.00                   | 1.6            | 1,6X9,0  |
| P0278.100-035-ZP | M10            | 35             | 2.50           | 3.00                   | 1.6            | 1,6X9,0  |
| P0278.100-040-ZP | M10            | 40             | 2.50           | 3.00                   | 1.6            | 1,6X9,0  |
| P0278.100-045-ZP | M10            | 45             | 2.50           | 3.00                   | 1.6            | 1,6X9,0  |
| P0278.100-050-ZP | M10            | 50             | 2.50           | 3.00                   | 1.6            | 1,6X9,0  |
| P0278.120-012-ZP | M12            | 12             | 3.00           | 3.60                   | 2.0            | 2,0X12,0 |
| P0278.120-016-ZP | M12            | 16             | 3.00           | 3.60                   | 2.0            | 2,0X12,0 |
| P0278.120-020-ZP | M12            | 20             | 3.00           | 3.60                   | 2.0            | 2,0X12,0 |
| P0278.120-025-ZP | M12            | 25             | 3.00           | 3.60                   | 2.0            | 2,0X12,0 |
| P0278.120-030-ZP | M12            | 30             | 3.00           | 3.60                   | 2.0            | 2,0X12,0 |
| P0278.120-035-ZP | M12            | 35             | 3.00           | 3.60                   | 2.0            | 2,0X12,0 |
| P0278.120-040-ZP | M12            | 40             | 3.00           | 3.60                   | 2.0            | 2,0X12,0 |
| P0278.120-045-ZP | M12            | 45             | 3.00           | 3.60                   | 2.0            | 2,0X12,0 |
| P0278.120-050-ZP | M12            | 50             | 3.00           | 3.60                   | 2.0            | 2,0X12,0 |