

## Round punch



### Features

- For bolt Ø 3/8"

### Product Description

- For operation with wrench or hydraulic pump

### Technical Data

- Punch with four cutting edges
- Pilot hole Ø 0.41"

### Scope of Delivery

- Punch complete consisting of punch and die

### Note

Bolts for manual operation with wrench have to be ordered separately (see below).

| Description | size |      | metrical   | PG    | thickness sheet steel |                        | Order No.              |
|-------------|------|------|------------|-------|-----------------------|------------------------|------------------------|
|             | mm   | inch |            |       | mm                    | ga                     |                        |
| Round punch | 12.7 | 0.5  | M 12 x 1.5 | PG 7  | 1.5                   | 16                     | <b>2623-0812-70-00</b> |
|             | 14   | 0.55 |            |       | 1.5                   | 16                     | <b>2623-0814-00-00</b> |
|             | 15.2 | 0.6  |            | PG 9  | 1.5                   | 16                     | <b>2623-0815-20-00</b> |
|             | 16.3 | 0.64 | M 16 x 1.5 |       | 2                     | 14                     | <b>2623-0816-30-00</b> |
|             | 17.3 | 0.68 |            |       | 2                     | 14                     | <b>2623-0817-30-00</b> |
|             | 18.6 | 0.73 | M 18 x 1.5 | PG 11 | 2                     | 14                     | <b>2623-0818-60-00</b> |
|             | 19   | 0.75 |            |       | 2                     | 14                     | <b>2623-0819-00-00</b> |
|             | 20.4 | 0.8  | M 20 x 1.5 | PG 13 | 3                     | 11                     | <b>2623-0820-40-00</b> |
|             | 21.3 | 0.84 |            |       | 3                     | 11                     | <b>2623-0821-30-00</b> |
|             | 22.5 | 0.89 |            | PG 16 | 3                     | 11                     | <b>2623-0822-50-00</b> |
|             | 23.8 | 0.94 |            |       | 3                     | 11                     | <b>2623-0823-80-00</b> |
|             | 24.5 | 0.96 |            |       | 3                     | 11                     | <b>2623-0824-50-00</b> |
|             | 25.4 | 1    | M 25 x 15  |       | 3                     | 11                     | <b>2623-0825-40-00</b> |
|             | 27   | 1.06 |            |       | 2                     | 14                     | <b>2623-0827-00-00</b> |
|             | 28.5 | 1.12 |            | PG 21 | 2                     | 14                     | <b>2623-0828-50-00</b> |
|             | 30.5 | 1.2  |            |       | 2                     | 14                     | <b>2623-0830-51-00</b> |
|             | 33.3 | 1.31 |            |       | 2                     | 14                     | <b>2623-0833-30-00</b> |
|             | 35   | 1.38 |            |       | 2                     | 14                     | <b>2623-0835-01-00</b> |
| 38.1        | 1.5  |      |            | 2     | 14                    | <b>2623-0838-11-00</b> |                        |

## Bolts without ball bearing



### Product Description

For manual operation with wrench of round punch

### Scope of Delivery

- 1 Bolt

| Description                | size   |           | Order No.              |
|----------------------------|--------|-----------|------------------------|
|                            | mm     | inch      |                        |
| Bolts without ball bearing | 9,5x50 | 0.37x1.97 | <b>2683-0710-50-00</b> |

# Puncher

## Bolts with ball bearing



### Product Description

For manual operation with wrench of round punch

### Scope of Delivery

- 1 Bolt

### Note

Ball bearing bolts reduce the effort by approx 50%. It is absolutely necessary to use cutting oil when punching

| Description       | size   |           | Order No.              |
|-------------------|--------|-----------|------------------------|
|                   | mm     | inch      |                        |
| With ball bearing | 9,5x50 | 0.37x1.97 | <b>2683-1710-50-00</b> |

## Bolts without ball bearing



### Product Description

For manual operation with wrench of round punch

### Scope of Delivery

- 1 Bolt

| Description                | size |      | Order No.              |
|----------------------------|------|------|------------------------|
|                            | mm   | inch |                        |
| Bolts without ball bearing | 19   | 0.75 | <b>2683-0719-75-00</b> |

## Bolts with ball bearing



### Product Description

For manual operation with wrench of round punch

### Scope of Delivery

- 1 Bolt

| Description             | size |      | Order No.              |
|-------------------------|------|------|------------------------|
|                         | mm   | inch |                        |
| Bolts with ball bearing | 19   | 0.75 | <b>2683-1719-75-00</b> |

## Round punch



### Product Description

For bolt Ø 3/4"

- For operation with wrench or hydraulic pump

### Technical Data

- Punch with four cutting edges
- Pre-drilling or pre-punching Ø 0.79" or 0.80"

### Scope of Delivery

- 1 punch complete consisting of punch and die

### Note

Bolts for manual operation with wrench have to be ordered separately (see page 18).

| Description | size  |      | metrical   | PG    | thickness sheet steel |    | Order No.              |
|-------------|-------|------|------------|-------|-----------------------|----|------------------------|
|             | mm    | inch |            |       | mm                    | ga |                        |
|             | 28.3  | 1.11 |            | PG 21 | 2                     | 14 | <b>2623-0828-30-00</b> |
|             | 30.5  | 1.2  | M 30 x 2   |       | 3                     | 11 | <b>2623-0830-50-00</b> |
|             | 32    | 1.26 |            |       | 3                     | 11 | <b>2623-0832-00-00</b> |
|             | 32.5  | 1.28 | M 32 x 1.5 |       | 3                     | 11 | <b>2623-0832-50-00</b> |
|             | 34.1  | 1.34 |            |       | 3                     | 11 | <b>2623-0834-10-00</b> |
|             | 35.1  | 1.38 |            |       | 3                     | 11 | <b>2623-0835-00-00</b> |
|             | 37    | 1.46 | M 36 x 2   | PG 29 | 3                     | 11 | <b>2623-0837-00-00</b> |
|             | 38    | 1.5  |            |       | 3                     | 11 | <b>2623-0838-00-00</b> |
|             | 40.5  | 1.59 | M 40 x 1.5 |       | 3                     | 11 | <b>2623-0840-50-00</b> |
|             | 41.2  | 1.62 |            |       | 3                     | 11 | <b>2623-0841-20-00</b> |
|             | 43.3  | 1.7  |            |       | 3                     | 11 | <b>2623-0843-30-00</b> |
|             | 47    | 1.85 |            | PG 36 | 3                     | 11 | <b>2623-0847-00-00</b> |
|             | 50.5  | 1.99 | M 50 x 1.5 |       | 3                     | 11 | <b>2623-0850-50-00</b> |
|             | 54    | 2.13 |            | PG 42 | 3                     | 11 | <b>2623-0854-00-00</b> |
|             | 56.5  | 2.22 |            |       | 3                     | 11 | <b>2623-0856-50-00</b> |
|             | 60    | 2.36 |            | PG 48 | 3                     | 11 | <b>2623-0860-00-00</b> |
|             | 63.5  | 2.5  | M 63 x 1.5 |       | 3                     | 11 | <b>2623-0863-50-00</b> |
|             | 64.4  | 2.54 |            |       | 3                     | 11 | <b>2623-0864-40-00</b> |
|             | 66.6  | 2.62 |            |       | 3                     | 11 | <b>2623-0866-60-00</b> |
|             | 70    | 2.76 |            |       | 2                     | 14 | <b>2623-0870-00-00</b> |
|             | 76.2  | 3    |            |       | 2                     | 14 | <b>2623-0876-20-00</b> |
|             | 80    | 3.15 |            |       | 2                     | 14 | <b>2623-0880-00-00</b> |
|             | 82    | 3.23 |            |       | 2                     | 14 | <b>2623-0882-00-00</b> |
|             | 88.5  | 3.48 |            |       | 2                     | 14 | <b>2623-0888-50-00</b> |
|             | 92    | 3.62 |            |       | 2                     | 14 | <b>2623-0892-00-00</b> |
|             | 102   | 4.02 |            |       | 2                     | 14 | <b>2623-0810-20-00</b> |
|             | 114.3 | 4.5  |            |       | 2                     | 14 | <b>2623-0811-43-00</b> |
|             | 120   | 4.72 |            |       | 2                     | 14 | <b>2623-0812-01-00</b> |

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