



- 3** Type
- A** full ball
  - B** flat ball
  - V** flat ball, with swivel limiting stop
  - VR** flat ball, with swivel limiting stop, corrugated

**1**

**2**

| d <sub>1</sub> | Type A<br>Type B | Type V<br>Type VR | l <sub>1</sub> Nominal length |    |    |    |    |     | d <sub>2</sub> | d <sub>3</sub> | d <sub>4</sub> | l <sub>2</sub> ≈ | l <sub>3</sub> ≈ | l <sub>4</sub> ≈ | l <sub>5</sub> | l <sub>6</sub> | A/F   | Static load in N<br>Type A / Type B |
|----------------|------------------|-------------------|-------------------------------|----|----|----|----|-----|----------------|----------------|----------------|------------------|------------------|------------------|----------------|----------------|-------|-------------------------------------|
|                |                  |                   | 10                            | 12 | 16 | 20 | 25 | 30  |                |                |                |                  |                  |                  |                |                |       |                                     |
| M 4            | -                | -                 | 10                            | 12 | 16 | 20 | 25 | 2,5 | 2              | 7              | 0,8            | 0,2              | -                | 2,1              | 4              | 3              | 3500  |                                     |
| M 5            | -                | -                 | 12                            | 16 | 20 | 25 | 30 | 3   | 2,5            | 8,5            | 1              | 0,4              | -                | 2,4              | 5              | 4              | 5000  |                                     |
| M 6            | M 6              | M 6               | 16                            | 20 | 25 | 30 | 40 | 4   | 3,2            | 10             | 1,3            | 0,6              | 0,45             | 3                | 6              | 5              | 9000  |                                     |
| M 8            | M 8              | M 8               | 20                            | 30 | 35 | 40 | 50 | 5,5 | 4,5            | 13             | 1,8            | 0,8              | 0,5              | 3,5              | 8              | 6              | 15000 |                                     |
| M 10           | M 10             | M 10              | 25                            | 30 | 40 | 50 | 60 | 7   | 6              | 16             | 2,3            | 0,8              | 0,6              | 4,5              | 10             | 8              | 24000 |                                     |
| M 12           | M 12             | M 12              | 30                            | 50 | 80 | -  | -  | 8,5 | 7,2            | 18             | 2,8            | 1                | 0,75             | 5                | 12             | 10             | 30000 |                                     |
| M 16           | M 16             | M 16              | 40                            | 60 | 80 | -  | -  | 12  | 10,7           | 24             | 4,3            | 1,3              | 1                | 6                | 16             | 14             | 73000 |                                     |

**Specification**

- Steel
  - Tensile strength class 12.9
  - blackened
- Ball
  - hardened
  - blank
- *Strength values of screws* → Page 1481
- **RoHS compliant**

**On request**

- Ball point screws with (full) plastic ball (Type AK)

**Information**

Ball point screws GN 606 with full ball (Type A) are used in applications where a ball point contact is required.

The flat faced moving ball (Type B) allows a clamping or supporting of non parallel surfaces.

The ball of the types V and VR can be swivelled to a maximum of 9° to ensure that clamping is always maintained on the flat section of the ball.

see also...

- *Ball point screws GN 605 (Grub screw)* → Page 782

How to order

**GN 606-M8-20-B**

- 1** d<sub>1</sub>
- 2** l<sub>1</sub>
- 3** Type