



d₁*	l₁					d₂	e ≈	k₁		k₂	l₂ max.	s	Nominal load in N
M 6	12	16	20	25	30	10	11	4	-0,5	3,2	3	10	25
M 8	16	20	25	30	40	13	14,4	5,3	-0,5	4	3,7	13	50
M 10	20	25	30	40	50	17	17,8	6,4	-0,5	5	4,5	17	75
M 12	25	30	40	50	60	19	20	7,5	-1	6	5,2	19	110
M 16	30	40	50	60	80	24	26,8	10	-1	8	6	24	145

* Thread: nut mobility

Specification

- Hex head screw
Steel
- Property class 5.8
- Zinc plated, blue passivated
- Hex nut
Steel
- Property class 04
- Zinc plated, blue passivated
- Material of the magnet
NdFeB **ND**
Neodymium, iron, boron
Temperature resistant up to 80 °C
- Strength Values of Screws → Page QVX
- Strength Values of Nuts → Page QVX
- RoHS



Information

Setting bolts GN 251.6 with retaining magnets combine a magnet with a steel housing in the shape of a hex head screw to create a system that shields and strengthens the magnet for optimal transmission of the magnetic flux onto the magnetic surface.

The setting bolts with retaining magnet can be used as workpiece stops that also hold the workpiece in position with the integrated magnet.

The locking nut (included) can be used to secure the stop screw after positioning.

see also...

- Grub Screws GN 913.6 → Page QVX
- More Information on Retaining Magnets → Page QVX
- Setting Bolts GN 251 (without retaining magnet) → Page QVX
- Setting Bolts GN 251.2 (with limit switch) → Page QVX

How to order

GN 251.6-M6-12-ND

1	d ₁
2	l ₁
3	Material of the magnet

