

## Setting Bolts

### with Retaining Magnet

#### 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



#### 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.

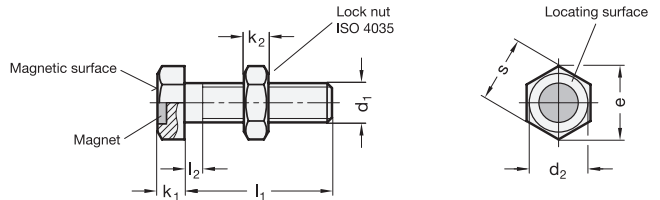
The setting bolts with retaining magnet can be used as workpiece stops that also hold the workpiece in position with the integrated magnet.

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

- More Information on Retaining Magnets (see page 2022)

#### TECHNICAL INFORMATION

- Strength values of screws / nuts (see page A20)



#### GN 251.6

Description	d1*	l1	d2	e ≈	k1	k2	l2 max.	s	Nominal load in N	⚖
GN 251.6-M6-12-ND	M 6	12	10	11	4 - 0.5	3.2	3	10	25	5
GN 251.6-M6-16-ND	M 6	16	10	11	4 - 0.5	3.2	3	10	25	6
GN 251.6-M6-20-ND	M 6	20	10	11	4 - 0.5	3.2	3	10	25	7
GN 251.6-M6-25-ND	M 6	25	10	11	4 - 0.5	3.2	3	10	25	8
GN 251.6-M6-30-ND	M 6	30	10	11	4 - 0.5	3.2	3	10	25	10
GN 251.6-M8-16-ND	M 8	16	13	14.4	5.3-0.5	4	3.7	13	50	11
GN 251.6-M8-20-ND	M 8	20	13	14.4	5.3-0.5	4	3.7	13	50	12
GN 251.6-M8-25-ND	M 8	25	13	14.4	5.3-0.5	4	3.7	13	50	15
GN 251.6-M8-30-ND	M 8	30	13	14.4	5.3-0.5	4	3.7	13	50	17
GN 251.6-M8-40-ND	M 8	40	13	14.4	5.3-0.5	4	3.7	13	50	20
GN 251.6-M10-20-ND	M 10	20	17	17.8	6.4-0.5	5	4.5	17	75	24
GN 251.6-M10-25-ND	M 10	25	17	17.8	6.4-0.5	5	4.5	17	75	27
GN 251.6-M10-30-ND	M 10	30	17	17.8	6.4-0.5	5	4.5	17	75	31
GN 251.6-M10-40-ND	M 10	40	17	17.8	6.4-0.5	5	4.5	17	75	37
GN 251.6-M10-50-ND	M 10	50	17	17.8	6.4-0.5	5	4.5	17	75	43
GN 251.6-M12-25-ND	M 12	25	19	20	7.5-1	6	5.2	19	110	40
GN 251.6-M12-30-ND	M 12	30	19	20	7.5-1	6	5.2	19	110	45
GN 251.6-M12-40-ND	M 12	40	19	20	7.5-1	6	5.2	19	110	54
GN 251.6-M12-50-ND	M 12	50	19	20	7.5-1	6	5.2	19	110	62
GN 251.6-M12-60-ND	M 12	60	19	20	7.5-1	6	5.2	19	110	71
GN 251.6-M16-30-ND	M 16	30	24	26.8	10-1	8	6	24	145	86
GN 251.6-M16-40-ND	M 16	40	24	26.8	10-1	8	6	24	145	100
GN 251.6-M16-50-ND	M 16	50	24	26.8	10-1	8	6	24	145	117
GN 251.6-M16-60-ND	M 16	60	24	26.8	10-1	8	6	24	145	133
GN 251.6-M16-80-ND	M 16	80	24	26.8	10-1	8	6	24	145	165

\* Thread: nut mobility