



3 Bore code

- B** Without keyway
- K** With keyway
- V** With square

5 Type

- A** Without handle
- D** With revolving handle (only for stainless steel A4)

2 **4** **4**

d ₁	d ₂ H9 Bore	s H11 Square	b	d ₃	l ₁	l ₂ ≈	l ₃	r	Ø Handle	No. of spokes	Thickness of sheet metal
125*	11	V 11	18	30	18	29	-	-	-	3	1,5
160	12	V 12	22	30	20	37	80	68	26	4	1,5
200	14	V 14	22	40	24	46	80	88	26	4	2,5
250	17	V 17	30	45	28	52	90	108	28	5	2,5
315	19	V 19	35	55	33	64	90	138	28	5	2,5
400	24	V 24	40	65	38	82	90	179	28	5	3

* only type A

Specification

1 **6**

- Steel **ST**
- Powder coated
- Black, RAL 9005, textured finish **● SW**
- Wheel body of sheet steel
- Hub welded

- Stainless steel AISI 316L **A4**
- Matte shot-blasted **GS**
- Wheel body of stainless sheet steel
- Hub welded

- Revolving handle similar to GN 598.2
- Plastic, Duroplast
- Black, shiny finish
- Spindle, stainless steel AISI 316L
- O-rings
- Rubber NBR (Perbunan®)

- Keyway P9 DIN 6885 Page 1 → Page 2078
- Squares DIN 79 → Page 2082
- Cross Holes GN 110 → Page 2080
- ISO Fundamental Tolerances → Page 2151
- Stainless Steel Characteristics → Page 2166
- RoHS

Information

Handwheels GN 228 of sheet steel or stainless sheet steel are robust and unaffected by shocks and knocks. The hub lengths l₁ and the diameter d₃ correspond to DIN 950.

The stainless steel design is suitable for applications in highly corrosive environments thanks to the A4 materials used.

On the revolving handles of type D, the O-rings minimize the radial play, protect the handle bearing from penetrating dirt and prevent noises resulting from vibration.

see also...

- Countersunk Washers GN 184 (for Axial Fixing) → Page 1090
- Stainless Steel Handwheels GN 950.6 → Page 246
- Stainless Steel Handwheels GN 949 → Page 247
- Handwheels DIN 950 (Cast Iron / Aluminum) → Page 245

How to order

1	Material
2	d ₁
3	Bore code
4	s (d ₂)
5	Type
6	Color (Finish)

GN 228-ST-160-V12-A-SW