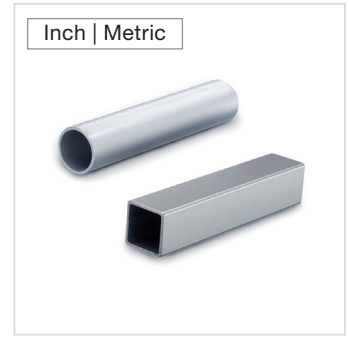
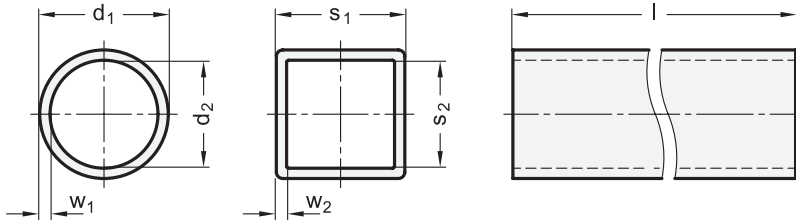


GN 990

Aluminum / Stainless Steel

Construction Tubes

Round or Square, for Connector Clamps



SS Stainless Steel

Specification

• Aluminum	AL	1	4
Anodized finish, natural color			EL
• Stainless steel AISI 304	NI		
Plain finish, untreated (only available in metric sizes)			BL
• Sawed cross-sections plain, i.e. not surface treated			
• <i>Stainless Steel Characteristics</i> → page 2143			
• <i>RoHS compliant</i>			

On request

- Other lengths
- Stainless steel inch size tubes

Information

GN 990 construction tubes are available in these standard lengths.

The tolerances specified for the outer diameter of the round construction tubes comply with the requirements for split one-piece connector clamps. Two-piece connector clamps allow larger tube tolerances.

The inch tube complies with EN 754 and EN 755, whereas the metric tube complies with DIN 2391, DIN 2395 and DIN 2462.

see also...

- *Rods / Tubes GN 480.1* → page 1838
- *Tube End Plugs EN 991 (without Thread)* → page 1840
- *Threaded Tube Ends EN 448* → page 1576
- *Threaded Tube Ends GN 992 / GN 992.5* → page 1581

How to order (Aluminum)	1 Material
1 2 3 4 GN 990-AL-D1/2-12.00-EL	2 Diameter d ₁ (Square s ₁)
	3 Length l
	4 Finish
How to order (Stainless steel)	1 Material
1 2 3 4 GN 990-NI-V30-200-BL	2 Square s ₁ (Diameter d ₁)
	3 Length l
	4 Finish

Inch table

Dimensions in: inches - millimeters

d ₁ Round AL	Length l ±0.02				d ₂	w ₁
	12.00 304.8	36.00 914.4	72.00 1828.8	98.40 2499.4		
D 1/2	12.00 304.8	36.00 914.4	72.00 1828.8	98.40 2499.4	0.384 9.8	0.058 1.5
D 5/8	12.00 304.8	36.00 914.4	72.00 1828.8	98.40 2499.4	0.509 12.9	0.058 1.5
D 3/4	12.00 304.8	36.00 914.4	72.00 1828.8	98.40 2499.4	0.634 16.1	0.058 1.5
D 1.00	12.00 304.8	36.00 914.4	72.00 1828.8	98.40 2499.4	0.834 21.2	0.083 2.1
D 1 1/4	12.00 304.8	36.00 914.4	72.00 1828.8	98.40 2499.4	1.084 27.5	0.083 2.1
D 1 1/2	12.00 304.8	36.00 914.4	72.00 1828.8	98.40 2499.4	1.334 33.9	0.083 2.1
D 1 3/4	12.00 304.8	36.00 914.4	72.00 1828.8	98.40 2499.4	1.510 38.4	0.120 3.0
D 2.00	12.00 304.8	36.00 914.4	72.00 1828.8	98.40 2499.4	1.688 42.9	0.156 4.0
D 2 1/2	12.00 304.8	36.00 914.4	72.00 1828.8	98.40 2499.4	2.188 55.6	0.156 4.0

Metric table

Dimensions in: millimeters - inches

d ₁ Round AL	NI	S ₁ Square AL		NI	Length l ±0.5				d ₂	S ₂	w ₁	w ₂
		AL	NI		200 7.87	500 19.69	1000 39.37	-				
D 10 ^{+0.05} / _{-0.15}	D 10 ±0.1	V 10	-	-	200 7.87	500 19.69	1000 39.37	-	7 0.28	7 0.28	1.5 0.06	1.5 0.06
D 12 ^{+0.05} / _{-0.15}	D 12 -0.2	V 12	-	-	200 7.87	500 19.69	1000 39.37	-	9 0.35	9 0.35	1.5 0.06	1.5 0.06
D 14 ^{+0.05} / _{-0.15}	D 14 -0.2	-	-	-	200 7.87	500 19.69	1000 39.37	-	11 0.43	-	1.5 0.06	-
D 15 ^{+0.05} / _{-0.15}	D 15 -0.2	-	-	-	200 7.87	500 19.69	1000 39.37	-	12 0.47	-	1.5 0.06	-
D 16 ^{+0.05} / _{-0.15}	D 16 -0.2	V 16	-	-	200 7.87	500 19.69	1000 39.37	-	13 0.51	13 0.51	1.5 0.06	1.5 0.06
D 18 ^{+0.05} / _{-0.15}	D 18 -0.2	-	-	-	200 7.87	500 19.69	1000 39.37	-	15 0.59	-	1.5 0.06	-
D 20 ^{+0.1} / _{-0.2}	D 20 -0.2	V 20	V 20	-	200 7.87	500 19.69	1000 39.37	2000 78.74	16 0.63	16 0.63	2 0.08	2 0.08
D 25 ^{+0.1} / _{-0.2}	D 25 ±0.15	V 25	V 25	-	200 7.87	500 19.69	1000 39.37	2000 78.74	21 0.83	21 0.83	2 0.08	2 0.08
D 30 ±0.15	D 30 ±0.15	V 30	V 30	-	200 7.87	500 19.69	1000 39.37	2000 78.74	26 1.02	26 1.02	2 0.08	2 0.08
D 35 ±0.15	D 35 ±0.15	-	-	-	200 7.87	500 19.69	1000 39.37	-	31 1.22	-	2 0.08	-
D 40 ^{+0.15} / _{-0.25}	D 40 ^{+0.15} / _{-0.2}	V 40	V 40	-	200* 7.87	500 19.69	1000 39.37	2000 78.74	34 1.34	34 1.34	3 0.12	3 0.12
D 50 ±0.2	D 50 ±0.2	V 50	V 50	-	500 19.69	1000 39.37	2000 78.74	-	44 1.73	44 1.73	3 0.12	3 0.12
D 60 ±0.25	D 60 ±0.25	-	-	-	500 19.69	1000 39.37	2000 78.74	-	52 2.05	-	4 0.16	-

* Only available for diameter D40

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10

