

Construction tubes

Aluminium / Stainless Steel, for tube clamp connectors

SPECIFICATION

Version in Aluminium AL

anodized, natural colour EL

Version in Stainless Steel AISI 304 NI

blank, untreated BL

Sawed cross sections deburred blank, i.e. not surface treated

INFORMATION

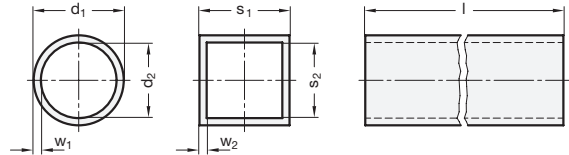
Construction tubes GN 990 can be supplied in these standard lengths. The tolerances specified for the outside diameter of the round construction tubes comply with the requirements for split mono-block connector clamps. Two-piece connector clamps allow obviously larger tolerances on construction tubes

TECHNICAL INFORMATION

- Stainless Steel characteristics (see page A26)

ON REQUEST

- further lengths

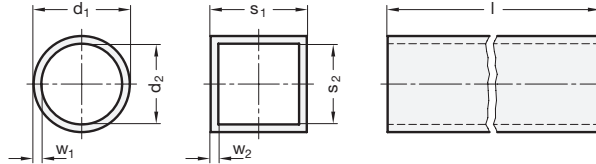


GN 990-AL

| Description | b | l ±0.5 | d2 | s2 | w1 | w2 | △ |
|-----------------------|-----------------|--------|----|----|-----|-----|------|
| GN 990-AL-D10-200-EL | D10 +0.05/-0.15 | 200 | 7 | 7 | 1.5 | 1.5 | 16 |
| GN 990-AL-D10-500-EL | D10 +0.05/-0.15 | 500 | 7 | 7 | 1.5 | 1.5 | 60 |
| GN 990-AL-D10-1000-EL | D10 +0.05/-0.15 | 1000 | 7 | 7 | 1.5 | 1.5 | 108 |
| GN 990-AL-D12-200-EL | D12 +0.05/-0.15 | 200 | 9 | - | 1.5 | - | 27 |
| GN 990-AL-D12-500-EL | D12 +0.05/-0.15 | 500 | 9 | - | 1.5 | - | 68 |
| GN 990-AL-D12-1000-EL | D12 +0.05/-0.15 | 1000 | 9 | - | 1.5 | - | 136 |
| GN 990-AL-D14-200-EL | D14 +0.05/-0.15 | 200 | 11 | 11 | 1.5 | 1.5 | 32 |
| GN 990-AL-D14-500-EL | D14 +0.05/-0.15 | 500 | 11 | 11 | 1.5 | 1.5 | 80 |
| GN 990-AL-D14-1000-EL | D14 +0.05/-0.15 | 1000 | 11 | 11 | 1.5 | 1.5 | 160 |
| GN 990-AL-D15-200-EL | D15 +0.05/-0.15 | 200 | 12 | - | 1.5 | - | 35 |
| GN 990-AL-D15-500-EL | D15 +0.05/-0.15 | 500 | 12 | - | 1.5 | - | 80 |
| GN 990-AL-D15-1000-EL | D15 +0.05/-0.15 | 1000 | 12 | - | 1.5 | - | 150 |
| GN 990-AL-D16-200-EL | D16 +0.05/-0.15 | 200 | 13 | 13 | 1.5 | 1.5 | 37 |
| GN 990-AL-D16-500-EL | D16 +0.05/-0.15 | 500 | 13 | 13 | 1.5 | 1.5 | 92 |
| GN 990-AL-D16-1000-EL | D16 +0.05/-0.15 | 1000 | 13 | 13 | 1.5 | 1.5 | 400 |
| GN 990-AL-D18-200-EL | D18 +0.05/-0.15 | 200 | 15 | - | 2 | 2 | 42 |
| GN 990-AL-D18-500-EL | D18 +0.05/-0.15 | 500 | 15 | - | 2 | 2 | 104 |
| GN 990-AL-D18-1000-EL | D18 +0.05/-0.15 | 1000 | 15 | - | 2 | 2 | 208 |
| GN 990-AL-D20-200-EL | D20 +0.1/-0.2 | 200 | 16 | 16 | 2 | 2 | 61 |
| GN 990-AL-D20-500-EL | D20 +0.1/-0.2 | 500 | 16 | 16 | 2 | 2 | 153 |
| GN 990-AL-D20-1000-EL | D20 +0.1/-0.2 | 1000 | 16 | 16 | 2 | 2 | 305 |
| GN 990-AL-D20-2000-EL | D20 +0.1/-0.2 | 2000 | 16 | 16 | 2 | 2 | 610 |
| GN 990-AL-D25-200-EL | D25 +0.1/-0.2 | 200 | 21 | 21 | 2 | 2 | 44 |
| GN 990-AL-D25-500-EL | D25 +0.1/-0.2 | 500 | 21 | 21 | 2 | 2 | 193 |
| GN 990-AL-D25-1000-EL | D25 +0.1/-0.2 | 1000 | 21 | 21 | 2 | 2 | 389 |
| GN 990-AL-D25-2000-EL | D25 +0.1/-0.2 | 2000 | 21 | 21 | 2 | 2 | 778 |
| GN 990-AL-D30-200-EL | D30 ±0.15 | 200 | 26 | 26 | 2 | 2 | 91 |
| GN 990-AL-D30-500-EL | D30 ±0.15 | 500 | 26 | 26 | 2 | 2 | 240 |
| GN 990-AL-D30-1000-EL | D30 ±0.15 | 1000 | 26 | 26 | 2 | 2 | 475 |
| GN 990-AL-D30-2000-EL | D30 ±0.15 | 2000 | 26 | 26 | 2 | 2 | 1000 |
| GN 990-AL-D35-200-EL | D35 ±0.15 | 200 | 31 | - | 2 | - | 112 |
| GN 990-AL-D35-500-EL | D35 ±0.15 | 500 | 31 | - | 2 | - | 281 |
| GN 990-AL-D35-1000-EL | D35 ±0.15 | 1000 | 31 | - | 2 | - | 561 |
| GN 990-AL-D40-200-EL | D40 +0.15/-0.25 | 200 | 34 | 34 | 3 | 3 | 150 |
| GN 990-AL-D40-500-EL | D40 +0.15/-0.25 | 500 | 34 | 34 | 3 | 3 | 472 |
| GN 990-AL-D40-1000-EL | D40 +0.15/-0.25 | 1000 | 34 | 34 | 3 | 3 | 910 |

GN 990-AL

| Description | b | l ±0.5 | d2 | s2 | w1 | w2 | △ |
|-----------------------|-----------------|--------|----|----|-----|-----|------|
| GN 990-AL-D40-2000-EL | D40 +0.15/-0.25 | 2000 | 34 | 34 | 3 | 3 | 1886 |
| GN 990-AL-D50-200-EL | D50 ±0.2 | 200 | 44 | 44 | 3 | 3 | 599 |
| GN 990-AL-D50-500-EL | D50 ±0.2 | 500 | 44 | 44 | 3 | 3 | 1197 |
| GN 990-AL-D50-1000-EL | D50 ±0.2 | 1000 | 44 | 44 | 3 | 3 | 950 |
| GN 990-AL-D60-500-EL | D60 ±0.25 | 500 | 52 | - | 4 | 4 | 1900 |
| GN 990-AL-D60-1000-EL | D60 ±0.25 | 1000 | 52 | - | 4 | 4 | 3800 |
| GN 990-AL-D60-2000-EL | D60 ±0.25 | 2000 | 52 | - | 4 | 4 | 18 |
| GN 990-AL-V10-200-EL | V10 | 200 | 7 | 7 | 1.5 | 1.5 | 69 |
| GN 990-AL-V10-500-EL | V10 | 500 | 7 | 7 | 1.5 | 1.5 | 97 |
| GN 990-AL-V10-1000-EL | V10 | 1000 | 7 | 7 | 1.5 | 1.5 | 24 |
| GN 990-AL-V12-200-EL | V12 | 200 | 9 | 9 | 1.5 | 1.5 | 60 |
| GN 990-AL-V12-500-EL | V12 | 500 | 9 | 9 | 1.5 | 1.5 | 119 |
| GN 990-AL-V12-1000-EL | V12 | 1000 | 9 | 9 | 1.5 | 1.5 | 32 |
| GN 990-AL-V16-200-EL | V16 | 200 | 13 | 13 | 1.5 | 1.5 | 120 |
| GN 990-AL-V16-500-EL | V16 | 500 | 13 | 13 | 1.5 | 1.5 | 160 |
| GN 990-AL-V16-1000-EL | V16 | 1000 | 13 | 13 | 1.5 | 1.5 | 78 |
| GN 990-AL-V20-200-EL | V20 | 200 | 16 | 16 | 2 | 2 | 194 |
| GN 990-AL-V20-500-EL | V20 | 500 | 16 | 16 | 2 | 2 | 356 |
| GN 990-AL-V20-1000-EL | V20 | 1000 | 16 | 16 | 2 | 2 | 356 |
| GN 990-AL-V20-2000-EL | V20 | 2000 | 16 | 16 | 2 | 2 | 99 |
| GN 990-AL-V25-200-EL | V25 | 200 | 21 | 21 | 2 | 2 | 249 |
| GN 990-AL-V25-500-EL | V25 | 500 | 21 | 21 | 2 | 2 | 497 |
| GN 990-AL-V25-1000-EL | V25 | 1000 | 21 | 21 | 2 | 2 | 1100 |
| GN 990-AL-V25-2000-EL | V25 | 2000 | 21 | 21 | 2 | 2 | 121 |
| GN 990-AL-V30-200-EL | V30 | 200 | 26 | 26 | 2 | 2 | 303 |
| GN 990-AL-V30-500-EL | V30 | 500 | 26 | 26 | 2 | 2 | 605 |
| GN 990-AL-V30-1000-EL | V30 | 1000 | 26 | 26 | 2 | 2 | 1210 |
| GN 990-AL-V30-2000-EL | V30 | 2000 | 26 | 26 | 2 | 2 | 600 |
| GN 990-AL-V40-500-EL | V40 | 500 | 34 | 34 | 3 | 3 | 1200 |
| GN 990-AL-V40-1000-EL | V40 | 1000 | 34 | 34 | 3 | 3 | 2398 |
| GN 990-AL-V40-2000-EL | V40 | 2000 | 34 | 34 | 3 | 3 | 762 |
| GN 990-AL-V50-500-EL | V50 | 500 | 44 | 44 | 3 | 3 | 1523 |
| GN 990-AL-V50-1000-EL | V50 | 1000 | 44 | 44 | 3 | 3 | 500 |
| GN 990-AL-V50-2000-EL | V50 | 2000 | 44 | 44 | 3 | 3 | 2395 |



GN 990-NI

STAINLESS STEEL

| Description | b | l ±0.5 | d2 | s2 | w1 | w2 | ⚖ |
|-----------------------|-----------|--------|----|----|-----|-----|------|
| GN 990-NI-D10-200-BL | D10 ±0.1 | 200 | 7 | 7 | 1.5 | 1.5 | 63 |
| GN 990-NI-D10-500-BL | D10 ±0.1 | 500 | 7 | 7 | 1.5 | 1.5 | 158 |
| GN 990-NI-D10-1000-BL | D10 ±0.1 | 1000 | 7 | 7 | 1.5 | 1.5 | 426 |
| GN 990-NI-D12-200-BL | D12 -0.2 | 200 | 9 | - | 1.5 | - | 80 |
| GN 990-NI-D12-500-BL | D12 -0.2 | 500 | 9 | - | 1.5 | - | 200 |
| GN 990-NI-D12-1000-BL | D12 -0.2 | 1000 | 9 | - | 1.5 | - | 399 |
| GN 990-NI-D14-200-BL | D14 -0.2 | 200 | 11 | 11 | 1.5 | 1.5 | 87 |
| GN 990-NI-D14-500-BL | D14 -0.2 | 500 | 11 | 11 | 1.5 | 1.5 | 220 |
| GN 990-NI-D14-1000-BL | D14 -0.2 | 1000 | 11 | 11 | 1.5 | 1.5 | 467 |
| GN 990-NI-D15-200-BL | D15 -0.2 | 200 | 12 | - | 1.5 | - | 60 |
| GN 990-NI-D15-500-BL | D15 -0.2 | 500 | 12 | - | 1.5 | - | 259 |
| GN 990-NI-D15-1000-BL | D15 -0.2 | 1000 | 12 | - | 1.5 | - | 518 |
| GN 990-NI-D16-200-BL | D16 -0.2 | 200 | 13 | 13 | 1.5 | 1.5 | 110 |
| GN 990-NI-D16-500-BL | D16 -0.2 | 500 | 13 | 13 | 1.5 | 1.5 | 270 |
| GN 990-NI-D16-1000-BL | D16 -0.2 | 1000 | 13 | 13 | 1.5 | 1.5 | 539 |
| GN 990-NI-D18-200-BL | D18 -0.2 | 200 | 15 | - | 2 | 2 | 70 |
| GN 990-NI-D18-500-BL | D18 -0.2 | 500 | 15 | - | 2 | 2 | 305 |
| GN 990-NI-D18-1000-BL | D18 -0.2 | 1000 | 15 | - | 2 | 2 | 650 |
| GN 990-NI-D20-200-BL | D20 -0.2 | 200 | 16 | 16 | 2 | 2 | 160 |
| GN 990-NI-D20-500-BL | D20 -0.2 | 500 | 16 | 16 | 2 | 2 | 420 |
| GN 990-NI-D20-1000-BL | D20 -0.2 | 1000 | 16 | 16 | 2 | 2 | 750 |
| GN 990-NI-D20-2000-BL | D20 -0.2 | 2000 | 16 | 16 | 2 | 2 | 2000 |
| GN 990-NI-D25-200-BL | D25 ±0.15 | 200 | 21 | 21 | 2 | 2 | 162 |
| GN 990-NI-D25-500-BL | D25 ±0.15 | 500 | 21 | 21 | 2 | 2 | 569 |
| GN 990-NI-D25-1000-BL | D25 ±0.15 | 1000 | 21 | 21 | 2 | 2 | 1137 |
| GN 990-NI-D25-2000-BL | D25 ±0.15 | 2000 | 21 | 21 | 2 | 2 | 2100 |
| GN 990-NI-D30-200-BL | D30 ±0.15 | 200 | 26 | 26 | 2 | 2 | 200 |
| GN 990-NI-D30-500-BL | D30 ±0.15 | 500 | 26 | 26 | 2 | 2 | 620 |
| GN 990-NI-D30-1000-BL | D30 ±0.15 | 1000 | 26 | 26 | 2 | 2 | 1280 |
| GN 990-NI-D30-2000-BL | D30 ±0.15 | 2000 | 26 | 26 | 2 | 2 | 2778 |
| GN 990-NI-D35-200-BL | D35 ±0.15 | 200 | 31 | - | 2 | - | 328 |
| GN 990-NI-D35-500-BL | D35 ±0.15 | 500 | 31 | - | 2 | - | 900 |
| GN 990-NI-D35-1000-BL | D35 ±0.15 | 1000 | 31 | - | 2 | - | 1500 |

GN 990-NI

STAINLESS STEEL

| Description | b | l ±0.5 | d2 | s2 | w1 | w2 | ⚖ |
|-----------------------|----------------|--------|----|----|----|----|------|
| GN 990-NI-D40-200-BL | D40 +0.15/-0.2 | 200 | 34 | 34 | 3 | 3 | 340 |
| GN 990-NI-D40-500-BL | D40 +0.15/-0.2 | 500 | 34 | 34 | 3 | 3 | 1179 |
| GN 990-NI-D40-1000-BL | D40 +0.15/-0.2 | 1000 | 34 | 34 | 3 | 3 | 2470 |
| GN 990-NI-D40-2000-BL | D40 +0.15/-0.2 | 2000 | 34 | 34 | 3 | 3 | 5514 |
| GN 990-NI-D50-200-BL | D50 ±0.2 | 200 | 44 | 44 | 3 | 3 | 1751 |
| GN 990-NI-D50-500-BL | D50 ±0.2 | 500 | 44 | 44 | 3 | 3 | 3400 |
| GN 990-NI-D50-1000-BL | D50 ±0.2 | 1000 | 44 | 44 | 3 | 3 | 2500 |
| GN 990-NI-D60-500-BL | D60 ±0.25 | 500 | 52 | - | 4 | 4 | 4800 |
| GN 990-NI-D60-1000-BL | D60 ±0.25 | 1000 | 52 | - | 4 | 4 | 2500 |
| GN 990-NI-D60-2000-BL | D60 ±0.25 | 2000 | 52 | - | 4 | 4 | 160 |
| GN 990-NI-V20-200-BL | V20 | 200 | 16 | 16 | 2 | 2 | 564 |
| GN 990-NI-V20-500-BL | V20 | 500 | 16 | 16 | 2 | 2 | 1127 |
| GN 990-NI-V20-1000-BL | V20 | 1000 | 16 | 16 | 2 | 2 | 2254 |
| GN 990-NI-V20-2000-BL | V20 | 2000 | 16 | 16 | 2 | 2 | 230 |
| GN 990-NI-V25-200-BL | V25 | 200 | 21 | 21 | 2 | 2 | 230 |
| GN 990-NI-V25-500-BL | V25 | 500 | 21 | 21 | 2 | 2 | 1449 |
| GN 990-NI-V25-1000-BL | V25 | 1000 | 21 | 21 | 2 | 2 | 2898 |
| GN 990-NI-V25-2000-BL | V25 | 2000 | 21 | 21 | 2 | 2 | 352 |
| GN 990-NI-V30-200-BL | V30 | 200 | 26 | 26 | 2 | 2 | 750 |
| GN 990-NI-V30-500-BL | V30 | 500 | 26 | 26 | 2 | 2 | 1761 |
| GN 990-NI-V30-1000-BL | V30 | 1000 | 26 | 26 | 2 | 2 | 3500 |
| GN 990-NI-V30-2000-BL | V30 | 2000 | 26 | 26 | 2 | 2 | 1800 |
| GN 990-NI-V40-500-BL | V40 | 500 | 34 | 34 | 3 | 3 | 3351 |
| GN 990-NI-V40-1000-BL | V40 | 1000 | 34 | 34 | 3 | 3 | 6700 |
| GN 990-NI-V40-2000-BL | V40 | 2000 | 34 | 34 | 3 | 3 | 1700 |
| GN 990-NI-V50-500-BL | V50 | 500 | 34 | 34 | 3 | 3 | 4307 |
| GN 990-NI-V50-1000-BL | V50 | 1000 | 44 | 44 | 3 | 3 | 8614 |
| GN 990-NI-V50-2000-BL | V50 | 2000 | 44 | 44 | 3 | 3 | 9000 |



Tube Clamp Connectors 16