

Eccentric Reducer, Schedule ASTM

Manufacturing Standards: welding components are manufactured according to ASTM-403WP-S (ANSI B 16.9) standards.

Grade: Austenitic series 304 - L, 316-L

Finishes: Standard finish L / C

Dimensions: Diameters from 1 / 4 " to 24".

Certificates: Product certificates provide if required, according to the following standard: EN 10204/3.1.B or DIN 50049.

Tolerances: Allowable differences in diameter and eccentricity + - 1.0% and thickness + - 12.55%

Applications: ASTM tubes are used in industrial environments of extreme temperatures and corrosive media. Also used in equipment: heaters, heat exchangers and reactors, and in the conduction of acid from the petrochemical, oil and food processing industries.



Technical information

| DN Pulgadas | dn | Dimensiones | | | | | | | Calidades AISI | |
|-------------|----------|-------------|------|------|-----------|------------|------|------|----------------|-------|
| | Pulgadas | Schedule | Ø D | Ø D1 | Espesor e | Espesor e1 | H | Peso | 304-L | 316-L |
| 3/4" | 1/2" | 10S | 26.7 | 21.3 | 2.11 | 2.11 | 39.3 | 0.1 | * | * |
| 3/4" | 1/2" | 40S | 26.7 | 21.3 | 2.87 | 2.77 | 39.3 | 0.14 | * | * |
| 1" | 1/2" | 10S | 33.4 | 21.3 | 2.77 | 2.11 | 50.8 | 0.12 | * | * |
| 1" | 1/2" | 40S | 33.4 | 21.3 | 3.38 | 2.77 | 50.8 | 0.15 | * | * |
| 1" | 3/4" | 10S | 33.4 | 26.7 | 2.77 | 2.11 | 50.8 | 0.13 | * | * |
| 1" | 3/4" | 40S | 33.4 | 26.7 | 3.38 | 2.87 | 50.8 | 0.16 | * | * |

| | | | | | | | | | | |
|--------|--------|-----|-------|-------|------|------|-------|------|---|---|
| 1 1/4" | 1" | 10S | 42.2 | 33.4 | 2.77 | 2.77 | 50.8 | 0.18 | * | * |
| 1 1/4" | 1" | 40S | 42.2 | 33.4 | 3.56 | 3.38 | 50.8 | 0.22 | * | * |
| 1 1/2" | 3/4" | 10S | 48.3 | 26.7 | 2.77 | 2.11 | 63.5 | 0.2 | * | * |
| 1 1/2" | 3/4" | 40S | 48.3 | 26.7 | 3.68 | 2.87 | 63.5 | 0.26 | * | * |
| 1 1/2" | 1" | 10S | 48.3 | 33.4 | 2.77 | 2.77 | 63.5 | 0.2 | * | * |
| 1 1/2" | 1" | 40S | 48.3 | 33.4 | 3.68 | 3.38 | 63.5 | 0.26 | * | * |
| 1 1/2" | 1 1/4" | 10S | 48.3 | 42.2 | 2.77 | 2.77 | 63.5 | 0.21 | * | * |
| 1 1/2" | 1 1/4" | 40S | 48.3 | 42.2 | 3.68 | 3.56 | 63.5 | 0.28 | * | * |
| 2" | 1" | 10S | 60.3 | 33.4 | 2.77 | 2.77 | 76.2 | 0.28 | * | * |
| 2" | 1" | 40S | 60.3 | 33.4 | 3.91 | 3.38 | 76.2 | 0.4 | * | * |
| 2" | 1 1/4" | 10S | 60.3 | 42.2 | 2.77 | 2.77 | 76.2 | 0.3 | * | * |
| 2" | 1 1/2" | 10S | 60.3 | 48.3 | 2.77 | 2.77 | 76.2 | 0.31 | * | * |
| 2" | 1 1/2" | 40S | 60.3 | 48.3 | 3.91 | 3.68 | 76.2 | 0.45 | * | * |
| 2 1/2" | 2" | 10S | 73 | 60.3 | 3.05 | 2.77 | 88.9 | 0.47 | * | * |
| 2 1/2" | 2" | 40S | 73 | 60.3 | 5.16 | 3.91 | 88.9 | 0.8 | * | * |
| 3" | 1 1/2" | 10S | 88.9 | 48.3 | 3.05 | 2.77 | 88.9 | 0.51 | * | * |
| 3" | 1 1/2" | 40S | 88.9 | 48.3 | 5.49 | 3.68 | 88.9 | 0.94 | * | * |
| 3" | 2" | 10S | 88.9 | 60.3 | 3.05 | 2.77 | 88.9 | 0.55 | * | * |
| 3" | 2" | 40S | 88.9 | 60.3 | 5.49 | 3.91 | 88.9 | 1 | * | * |
| 3" | 2 1/2" | 10S | 88.9 | 73 | 3.05 | 2.77 | 88.9 | 0.59 | * | * |
| 3" | 2 1/2" | 40S | 88.9 | 73 | 5.49 | 5.16 | 88.9 | 1.08 | * | * |
| 4" | 2" | 10S | 114.3 | 60.3 | 3.05 | 2.77 | 101.6 | 0.78 | * | * |
| 4" | 2" | 40S | 114.3 | 60.3 | 6.02 | 3.91 | 101.6 | 1.57 | * | * |
| 4" | 2 1/2" | 10S | 114.3 | 73 | 3.05 | 3.05 | 101.6 | 0.83 | * | * |
| 4" | 2 1/2" | 40S | 114.3 | 73 | 6.02 | 5.16 | 101.6 | 1.66 | * | * |
| 4" | 3" | 10S | 114.3 | 88.9 | 3.05 | 3.05 | 101.6 | 0.87 | * | * |
| 4" | 3" | 40S | 114.3 | 88.9 | 6.02 | 5.49 | 101.6 | 1.74 | * | * |
| 5" | 3" | 10S | 141.3 | 88.9 | 3.4 | 3.05 | 127 | 1.45 | * | * |
| 5" | 3" | 40S | 141.3 | 88.9 | 6.55 | 5.49 | 127 | 2.85 | * | * |
| 5" | 4" | 10S | 141.3 | 114.3 | 3.4 | 3.05 | 127 | 1.49 | * | * |
| 5" | 4" | 40S | 141.3 | 114.3 | 6.55 | 6.02 | 127 | 2.98 | * | * |
| 6" | 3" | 10S | 168.3 | 88.9 | 3.4 | 3.05 | 139.7 | 1.82 | * | * |
| 6" | 3" | 40S | 168.3 | 88.9 | 7.11 | 5.49 | 139.7 | 3.98 | * | * |
| 6" | 4" | 10S | 168.3 | 114.3 | 3.4 | 3.05 | 139.7 | 1.95 | * | * |
| 6" | 4" | 40S | 168.3 | 114.3 | 7.11 | 6.02 | 139.7 | 4.08 | * | * |
| 6" | 5" | 10S | 168.3 | 141.3 | 3.4 | 3.4 | 139.7 | 2 | * | * |
| 6" | 5" | 40S | 168.3 | 141.3 | 7.11 | 6.55 | 139.7 | 4.15 | * | * |
| 8" | 4" | 10S | 219.1 | 114.3 | 3.76 | 3.05 | 152.4 | 3.02 | * | * |
| 8" | 4" | 40S | 219.1 | 114.3 | 8.18 | 6.02 | 152.4 | 6.55 | * | * |
| 8" | 5" | 10S | 219.1 | 141.3 | 3.76 | 3.05 | 152.4 | 3.08 | * | * |

| | | | | | | | | | | |
|-----|-----|-----|-------|-------|-------|------|-------|-------|---|---|
| 8" | 5" | 40S | 219.1 | 141.3 | 8.18 | 6.02 | 152.4 | 6.7 | * | * |
| 8" | 6" | 10S | 219.1 | 168.3 | 3.76 | 3.4 | 152.4 | 3.19 | * | * |
| 8" | 6" | 40S | 219.1 | 168.3 | 8.18 | 7.11 | 152.4 | 6.94 | * | * |
| 10" | 6" | 10S | 273.1 | 168.3 | 4.19 | 3.4 | 177.8 | 5 | * | * |
| 10" | 6" | 40S | 273.1 | 168.3 | 9.27 | 7.11 | 177.8 | 11.12 | * | * |
| 10" | 8" | 10S | 273.1 | 219.1 | 4.19 | 3.76 | 177.8 | 5.25 | * | * |
| 10" | 8" | 40S | 273.1 | 219.1 | 9.27 | 8.18 | 177.8 | 11.56 | * | * |
| 12" | 6" | 10S | 323.9 | 168.3 | 4.57 | 3.4 | 203.2 | 7.45 | * | * |
| 12" | 6" | 40S | 323.9 | 168.3 | 9.53 | 7.11 | 203.2 | 11.12 | * | * |
| 12" | 8" | 10S | 323.9 | 219.1 | 4.57 | 3.76 | 203.2 | 7.67 | * | * |
| 12" | 8" | 40S | 323.9 | 219.1 | 9.53 | 8.18 | 203.2 | 15.98 | * | * |
| 12" | 10" | 10S | 323.9 | 273.1 | 4.57 | 4.19 | 203.2 | 7.98 | * | * |
| 12" | 10" | 40S | 323.9 | 273.1 | 9.53 | 9.27 | 203.2 | 16.63 | * | * |
| 14" | 10" | 10S | 355.6 | 273.1 | 4.78 | 4.19 | 330.2 | 14.41 | * | * |
| 14" | 12" | 10S | 355.6 | 323.9 | 4.78 | 4.19 | 330.2 | 15.29 | * | * |
| 16" | 10" | 10S | 406.4 | 273.1 | 4.78 | 4.19 | 355.6 | 17.72 | * | * |
| 16" | 12" | 10S | 406.4 | 323.9 | 4.78 | 4.19 | 355.6 | 18.35 | * | * |
| 6" | 3" | 10S | 168.3 | 88.9 | 3.4 | 3.05 | 139.7 | 1.82 | x | x |
| 6" | 3" | 40S | 168.3 | 88.9 | 7.11 | 5.49 | 139.7 | 3.98 | * | * |
| 6" | 3" | 80S | 168.3 | 88.9 | 10.97 | 7.62 | 139.7 | 5.51 | * | * |
| 6" | 4" | 10S | 168.3 | 114.3 | 3.4 | 3.05 | 139.7 | 1.95 | x | x |
| 6" | 4" | 40S | 168.3 | 114.3 | 7.11 | 6.02 | 139.7 | 4.08 | * | * |
| 6" | 4" | 80S | 168.3 | 114.3 | 10.97 | 8.56 | 139.7 | 5.96 | * | * |
| 6" | 5" | 10S | 168.3 | 141.3 | 3.4 | 3.4 | 139.7 | 2.05 | x | x |
| 6" | 5" | 40S | 168.3 | 141.3 | 7.11 | 6.55 | 139.7 | 4.18 | * | * |
| 8" | 4" | 10S | 219.1 | 114.3 | 3.76 | 3.05 | 152.4 | 3.02 | x | x |
| 8" | 4" | 40S | 219.1 | 114.3 | 8.18 | 6.02 | 152.4 | 6.55 | * | * |
| 8" | 5" | 10S | 219.1 | 141.3 | 3.76 | 3.4 | 152.4 | 3.08 | * | * |
| 8" | 5" | 40S | 219.1 | 141.3 | 8.18 | 6.55 | 152.4 | 6.7 | * | * |
| 8" | 6" | 10S | 219.1 | 168.3 | 3.76 | 3.4 | 152.4 | 3.19 | x | x |
| 8" | 6" | 40S | 219.1 | 168.3 | 8.18 | 7.11 | 152.4 | 6.94 | * | * |
| 10" | 6" | 10S | 273.1 | 168.3 | 4.19 | 3.4 | 177.8 | 5 | x | x |
| 10" | 6" | 40S | 273.1 | 168.3 | 9.27 | 7.11 | 177.8 | 11.12 | * | * |
| 10" | 8" | 10S | 273.1 | 219.1 | 4.19 | 3.76 | 177.8 | 5.25 | x | x |
| 10" | 8" | 40S | 273.1 | 219.1 | 9.27 | 8.18 | 177.8 | 11.56 | * | * |
| 12" | 6" | 10S | 323.9 | 168.3 | 4.57 | 3.4 | 203.2 | 6.58 | * | * |
| 12" | 6" | 40S | 323.9 | 168.3 | 9.53 | 7.11 | 203.2 | 12.8 | * | * |
| 12" | 8" | 10S | 323.9 | 219.1 | 4.57 | 3.76 | 203.2 | 7.67 | * | * |
| 12" | 8" | 40S | 323.9 | 219.1 | 9.53 | 8.18 | 203.2 | 15.98 | * | * |
| 12" | 10" | 10S | 323.9 | 273.1 | 4.57 | 4.19 | 203.2 | 7.98 | * | * |

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|-----|-----|-----|-------|-------|------|------|-------|-------|---|---|
| 12" | 10" | 40S | 323.9 | 273.1 | 9.53 | 9.27 | 203.2 | 16.63 | * | * |
| 14" | 8" | 10S | 355.6 | 219.1 | 4.78 | 3.76 | 330.2 | 13.88 | * | * |
| 14" | 10" | 10S | 355.6 | 273.1 | 4.78 | 4.19 | 330.2 | 14.41 | * | * |
| 14" | 12" | 10S | 355.6 | 323.9 | 4.78 | 4.57 | 330.2 | 15.29 | * | * |
| 16" | 8" | 10S | 406.4 | 219.1 | 4.78 | 3.76 | 330.2 | 16.5 | * | * |
| 16" | 10" | 10S | 406.4 | 273.1 | 4.78 | 4.19 | 355.6 | 17.72 | * | * |
| 16" | 12" | 10S | 406.4 | 323.9 | 4.78 | 4.57 | 355.6 | 18.35 | * | * |
| 16" | 14" | 10S | 406.4 | 355.6 | 4.78 | 4.78 | 355.6 | 18.9 | * | * |