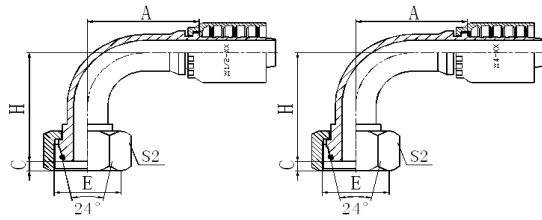


## HOSE FITTING

**20591Y****20592Y**

90° METRIC FEMALE 24° CONE O-RING  
S SERIES

REF. ISO 12151-2 / DIN 20066

| PART NO.            |                  | THREAD E | HOSE SIZE |      | TUBE O.D. | O-RING    | DIMENSIONS  |     |      |    |
|---------------------|------------------|----------|-----------|------|-----------|-----------|-------------|-----|------|----|
| BRAIDED             | SPIRAL           |          | DN        | DASH |           |           | A           | C   | H    | S2 |
| 20591Y-14-04WZ      | -                | M16X1.5  | 6         | 04   | 6         | O04.5X1.5 | 30          | 1.1 | 30.5 | 17 |
| 20591Y-16-04TZ *    | -                | M16X1.5  | 6         | 04   | 8         | O06.5X1.5 | 30          | 1.8 | 31   | 19 |
| 20591Y-16-05WZ      | -                | M16X1.5  | 8         | 05   | 8         | O06.5X1.5 | 30          | 1.5 | 31   | 19 |
| 20591Y-18-04TZ *    | -                | M18X1.5  | 6         | 04   | 10        | O08.0X1.5 | 33          | 1.5 | 33.5 | 22 |
| 20591Y-18-05TZ      | -                | M18X1.5  | 8         | 05   | 10        | O08.0X1.5 | 33          | 1.5 | 33.5 | 22 |
| 20591Y-18-06TZ      | 20592Y-18-06TZ   | M18X1.5  | 10        | 06   | 10        | O08.0X1.5 | 37          | 1.5 | 35   | 22 |
| 20591Y-20-05TZ *    | -                | M20X1.5  | 8         | 05   | 12        | O10.0X1.5 | 34.5        | 2.5 | 35.5 | 24 |
| 20591Y-20-06TZ *    | 20592Y-20-06TZ   | M20X1.5  | 10        | 06   | 12        | O10.0X1.5 | 34.5        | 2.5 | 35.5 | 24 |
| 20591Y-20-08WZ      | 20592Y-20-08WZ   | M20X1.5  | 12        | 08   | 12        | O10.0X1.5 | 38          | 2.5 | 38   | 24 |
| 20591Y-22-06TZ      | 20592Y-22-06TZ   | M22X1.5  | 10        | 06   | 14        | O11.0X2.0 | 34.5        | 3   | 36   | 27 |
| 20591Y-22-08TZ      | 20592Y-22-08TZ   | M22X1.5  | 12        | 08   | 14        | O11.0X2.0 | 42          | 2.5 | 42.5 | 27 |
| 20591Y-24-06TZ      | -                | M24X1.5  | 10        | 06   | 16        | O13.0X2.0 | 39.5        | 3   | 43   | 30 |
| 20591Y-24-08TZ *    | 20592Y-24-08TZ * | M24X1.5  | 12        | 08   | 16        | O13.0X2.0 | 39.5        | 3   | 43   | 30 |
| 20591Y-24-10WZ      | 20592Y-24-10WZ   | M24X1.5  | 16        | 10   | 16        | O13.0X2.0 | 45          | 3   | 45.5 | 30 |
| 20591Y-30-08TZ      | 20592Y-30-08TZ   | M30X2    | 12        | 08   | 20        | O16.3X2.4 | 49          | 2.5 | 49.5 | 36 |
| 20591Y-30-10TZ      | 20592Y-30-10TZ   | M30X2    | 16        | 10   | 20        | O16.3X2.4 | 49          | 2.5 | 49.5 | 36 |
| 20591Y-30-12TZ *    | 20592Y-30-12TZ * | M30X2    | 20        | 12   | 20        | O16.3X2.4 | 55.8        | 2.5 | 54.5 | 36 |
| 20591Y-36-12TZ *    | 20592Y-36-12TZ * | M36X2    | 20        | 12   | 25        | O20.3X2.4 | 56          | 3.2 | 59   | 46 |
| 20591Y-36-16WZ      | 20592Y-36-16WZ   | M36X2    | 25        | 16   | 25        | O20.3X2.4 | 56          | 3.2 | 59   | 46 |
| 20591Y-42-12TZ      | 20592Y-42-12TZ   | M42X2    | 20        | 12   | 30        | O25.3X2.4 | 71          | 3.9 | 70   | 50 |
| 20591Y-42-16TZ *    | 20592Y-42-16TZ * | M42X2    | 25        | 16   | 30        | O25.3X2.4 | 71          | 3.9 | 70   | 50 |
| 20591Y1-42-20WZ +   | -                | M42X2    | 32        | 20   | 30        | O25.3X2.4 | 71          | 3.9 | 70   | 50 |
| 20591Y-42-20WZ ++   | 20592Y-42-20WZ   | M42X2    | 32        | 20   | 30        | O25.3X2.4 | 71          | 3.9 | 70   | 50 |
| 20591Y1-52-20TZ * + | -                | M52X2    | 32        | 20   | 38        | O33.3X2.4 | 93          | 4.5 | 86.5 | 60 |
| 20591Y-52-20TZ * ++ | 20592Y-52-20TZ * | M52X2    | 32        | 20   | 38        | O33.3X2.4 | 93/95.6     | 4.5 | 86.5 | 60 |
| 20591Y-52-24TZ      | 20592Y-52-24TZ * | M52X2    | 40        | 24   | 38        | O33.3X2.4 | 109.4/112.4 | 4.5 | 100  | 60 |

- The dimension A before "/" is for braided hose fitting and after "/" is for spiral hose fitting.
- Part no. marked with "\*" is recommended.
- Marked with "+" design for GH781, GH663, FC686, EC110, EC881 hose, Marked with "++" design for GH793, EC210, EC215 hose.
- The recommended match hoses for 1 piece braided fittings are : FC687/EC115-16 and smaller sizes ; GH663/EC881-20 and smaller sizes ; FC686/EC210/EC215/GH781-24 and smaller sizes ; EC110/GH793 whole sizes etc. and with non-skive crimping. For 1 piece spiral fittings are: 2755/GH493/EC640/GH425-16 and smaller sizes; GH506/EC512-12 and larger sizes with skive crimping.

### 5. Material options for fitting and the O-ring.

| Fitting material       | O-ring material | Part. No. suffix | Part No. example |
|------------------------|-----------------|------------------|------------------|
| Carbon steel (Default) | NBR             | TZ/WZ            | 20591Y-24-08TZ   |
| 304 stainless steel    | Viton           | SRT/SRW          | 20591Y-24-08SRT  |
| 316L stainless steel   | Viton           | SVT/SVW          | 20591Y-24-08SVT  |
| 316Ti stainless steel  | Viton           | SYT/SYW          | 20591Y-24-08SYT  |

### 6. Plating options and performance for carbon steel fittings.

| Plating method         | Part. No. suffix | Part No. example | White rust (Hours) | Red rust (Hours) |
|------------------------|------------------|------------------|--------------------|------------------|
| Cr3+ plating (Default) | Z                | 20591Y-24-08TZ   | 96                 | 360              |
| Durakote plating       | ZD               | 20591Y-24-08TZD  | 360                | 720              |
| Zinc-nickel plating    | ZN               | 20591Y-24-08TZZN | 1000               | -                |