



90° FLANGE S SERIES / CODE 62

87691Y

87692Y

REF. ISO 12151-3 / SAE J516

| PART NO. | | FLANGE SIZE | HOSE SIZE | | DIMENSIONS | | | | | O RING ** |
|--|-------------------|-------------|-----------|------|-------------|------|----|-------|-------|-----------|
| BRAIDED | SPIRAL | | DN | DASH | A | C | D | H | L | |
| 87691Y-08-08Z * | 87692Y-08-08Z | 1/2" | 12 | 08 | 41 | 31.7 | 24 | 48 | 7.75 | O210 N90 |
| 87691Y-12-08Z | 87692Y-12-08Z | 3/4" | 12 | 08 | 41 | 41.3 | 32 | 52 | 8.76 | O214 N90 |
| 87691Y-12-10Z | 87692Y-12-10Z | 3/4" | 16 | 10 | 56 | 41.3 | 32 | 56.5 | 8.76 | O214 N90 |
| 87691Y-12-12Z * | 87692Y-12-12Z * | 3/4" | 20 | 12 | 65.5 | 41.3 | 32 | 66 | 8.76 | O214 N90 |
| 87691Y-16-16Z * | 87692Y-16-16Z * | 1" | 25 | 16 | 76.7 | 47.6 | 38 | 74.5 | 9.53 | O219 N90 |
| 87691Y1-16-20Z + | - | 1" | 32 | 20 | 91.5 | 47.6 | 38 | 85.5 | 9.53 | O219 N90 |
| 87691Y-16-20Z ++ | 87692Y-16-20Z * | 1" | 32 | 20 | 91.5/94.1 | 47.6 | 38 | 85.5 | 9.53 | O219 N90 |
| 87691Y-20-16Z | 87692Y-20-16Z * | 1.1/4" | 25 | 16 | 76.7 | 54 | 44 | 78.5 | 10.29 | O222 N90 |
| 87691Y1-24-20Z + | - | 1.1/2" | 32 | 20 | 91.5 | 63.5 | 51 | 94.5 | 12.57 | O225 N90 |
| 87691Y-24-20Z ++ | 87692Y-24-20Z | 1.1/2" | 32 | 20 | 91.5/94.1 | 63.5 | 51 | 94.5 | 12.57 | O225 N90 |
| 87691Y-24-24Z | 87692Y-24-24Z * | 1.1/2" | 40 | 24 | 109.4/112.4 | 63.5 | 51 | 108 | 12.57 | O225 N90 |
| 87691Y-32-24Z | 87692Y-32-24Z | 2" | 40 | 24 | 109.4/112.4 | 79.4 | 67 | 116 | 12.57 | O228 N90 |
| 87691Y-32-32Z | 87692Y-32-32Z * | 2" | 50 | 32 | 131.8/136.2 | 79.4 | 67 | 136.3 | 12.57 | O228 N90 |
| ISO 12151-3 SHORT ELBOW (ES) | | | | | | | | | | |
| 87691Y-16-16H61Z | 87692Y-16-16H61Z | 1" | 25 | 16 | 76.7 | 47.6 | 38 | 61 | 9.53 | O219 N90 |
| 87691Y-20-16H68Z | 87692Y-20-16H68Z | 1.1/4" | 25 | 16 | 76.7 | 54 | 44 | 68 | 10.29 | O222 N90 |
| 87691Y1-20-20H68Z + | - | 1.1/4" | 32 | 20 | 91.5 | 54 | 44 | 68 | 10.29 | O222 N90 |
| 87691Y-20-20H68Z ++ | 87692Y-20-20H68Z | 1.1/4" | 32 | 20 | 91.5/94.1 | 54 | 44 | 68 | 10.29 | O222 N90 |
| 87691Y1-24-20H81Z + | - | 1.1/2" | 32 | 20 | 91.5 | 63.5 | 51 | 81 | 12.57 | O225 N90 |
| 87691Y-24-20H81Z ++ | 87692Y-24-20H81Z | 1.1/2" | 32 | 20 | 91.5/94.1 | 63.5 | 51 | 81 | 12.57 | O225 N90 |
| 87691Y-24-24H81Z | 87692Y-24-24H81Z | 1.1/2" | 40 | 24 | 109.4/112.4 | 63.5 | 51 | 81 | 12.57 | O225 N90 |
| 87691Y-32-24H120Z | 87692Y-32-24H120Z | 2" | 40 | 24 | 109.4/112.4 | 79.4 | 67 | 120 | 12.57 | O228 N90 |
| 87691Y-32-32H120Z | 87692Y-32-32H120Z | 2" | 50 | 32 | 131.8/136.2 | 79.4 | 67 | 120 | 12.57 | O228 N90 |
| ISO 12151-3 MEDIUM ELBOW (EM) | | | | | | | | | | |
| 87691Y-08-08H40Z | 87692Y-08-08H40Z | 1/2" | 12 | 08 | 41 | 31.7 | 24 | 40 | 7.75 | O210 N90 |
| 87691Y-12-08H58Z | 87692Y-12-08H58Z | 3/4" | 12 | 08 | 41 | 41.3 | 32 | 58 | 8.76 | O214 N90 |
| 87691Y-12-12H58Z | 87692Y-12-12H58Z | 3/4" | 20 | 12 | 65.5 | 41.3 | 32 | 58 | 8.76 | O214 N90 |
| 87691Y-16-12Z | 87692Y-16-12Z | 1" | 20 | 12 | 65.5 | 47.6 | 38 | 69 | 9.53 | O219 N90 |
| 87691Y-16-16H70Z | 87692Y-16-16H70Z | 1" | 25 | 16 | 76.7 | 47.6 | 38 | 70 | 9.53 | O219 N90 |
| 87691Y-20-16H90Z | 87692Y-20-16H90Z | 1.1/4" | 25 | 16 | 76.7 | 54 | 44 | 90 | 10.29 | O222 N90 |
| 87691Y1-20-20Z * + | - | 1.1/4" | 32 | 20 | 91.5 | 54 | 44 | 89.5 | 10.29 | O222 N90 |
| 87691Y-20-20Z * ++ | 87692Y-20-20Z * | 1.1/4" | 32 | 20 | 91.5/94.1 | 54 | 44 | 89.5 | 10.29 | O222 N90 |
| 87691Y1-24-20H104Z + | - | 1.1/2" | 32 | 20 | 91.5 | 63.5 | 51 | 104 | 12.57 | O225 N90 |
| 87691Y-24-20H104Z ++ | 87692Y-24-20H104Z | 1.1/2" | 32 | 20 | 91.5/94.1 | 63.5 | 51 | 104 | 12.57 | O225 N90 |
| 87691Y-24-24H104Z | 87692Y-24-24H104Z | 1.1/2" | 40 | 24 | 109.4/112.4 | 63.5 | 51 | 104 | 12.57 | O225 N90 |
| 87691Y-32-24H138Z | 87692Y-32-24H138Z | 2" | 40 | 24 | 109.4/112.4 | 79.4 | 67 | 138 | 12.57 | O228 N90 |
| 87691Y-32-32H138Z | 87692Y-32-32H138Z | 2" | 50 | 32 | 131.8/136.2 | 79.4 | 67 | 138 | 12.57 | O228 N90 |

- The dimension A before "/" is for braided hose fitting and after "/" is for spiral hose fitting.
- Part no. marked with "*" is recommended.
- ** "NBR O-ring need another order. Use V80 replace N90 when the fitting material is stainless steel and the O-ring material is Viton.
- 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.
- Material options for fitting.

| Fitting material | Part. No. suffix | Part No. example |
|------------------------|------------------|------------------|
| Carbon steel (Default) | Z | 87692Y-12-12Z |
| 304 stainless steel | SR | 87692Y-12-12SR |
| 316L stainless steel | SV | 87692Y-12-12SV |
| 316Ti stainless steel | SY | 87692Y-12-12SY |

7. 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 | 87692Y-12-12Z | 96 | 360 |
| Durakote plating | ZD | 87692Y-12-12ZD | 360 | 720 |
| Zinc-nickel plating | ZN | 87692Y-12-12ZN | 1000 | - |