# GlobalCore vs SAE and ISO Hoses

| Spec | Temp | -4 | -6 | -8 | -10 | -12 | -16 | -20 | -24 | -32 | Impulse Test Cycles |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **SAE 100R1** | 212°F | 3,250 | 2,600 | 2,325 | 1,875 | 1,525 | 1,275 | 900 | 725 | 575 | 200,000 |
| Global**Core Hose** | 212°F / 257°F | 487 | 387 | 387 | 387 | 387 | 387 | 187 | 187 | 187 | 200,000+ |
| **SAE 100R2** | 212°F | 5,800 | 4,800 | 4,000 | 3,625 | 3,100 | 2,400 | 1,800 | 1,300 | 1,150 | 200,000 |
| Global**Core Hose** | 212°F / 257°F | 797 | 787 | 487 | 487 | 487 | 387 | 387 | 387 | 387 | 200,000+ |
| **SAE 100R12** | 257°F | * | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 3,000 | 2,500 | 2,500 | 500,000 |
| Global**Core Hose** | 212°F / 257°F | | 487 | 487 | 487 | 487 | 487 | 387 | 387 | 387 | 500,000+ |
| **SAE 100R13** | 257°F | * | * | * | * | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 500,000 |
| Global**Core Hose** | 212°F / 257°F | | | | | 787 | 787 | 787 | 787 | 787 | 500,000+ |
| **SAE 100R15** | 257°F | * | 6,000 | 6,000 | * | 6,000 | 6,000 | 6,000 | 6,000 | * | 500,000 |
| Global**Core Hose** | 212°F / 257°F | | 797 | 797 | 797 | 797 | 797 | 797 | 797 | | 500,000+ |
| **SAE 100R17** | 212°F | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | * | * | * | 200,000 |
| Global**Core Hose** | 212°F / 257°F | 387 | 387 | 387 | 387 | 387 | 387 | | | | 200,000+ |
| **SAE 100R19** | 212°F | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | * | * | * | 200,000 |
| Global**Core Hose** | 212°F / 257°F | 487 | 487 | 487 | 487 | 487 | 487 | | | | 200,000+ |
| **ISO 11237-1-2SC** | 212°F | 5,800 | 5,000 | 4,000 | 3,625 | 3,100 | 2,400 | 1,800 | * | * | 200,000 |
| Global**Core Hose** | 212°F / 257°F | 797 | 787 | 487 | 487 | 487 | 387 | 387 | | | 200,000+ |
| **ISO 1436-1-1SN** | 212°F | 3,250 | 2,600 | 2,325 | 1,875 | 1,525 | 1,275 | 900 | 725 | 575 | 200,000 |
| Global**Core Hose** | 212°F / 257°F | 487 | 387 | 387 | 387 | 387 | 387 | 187 | 187 | 187 | 200,000+ |
| **ISO 1436-1-2SN** | 212°F | 5,800 | 4,800 | 4,000 | 3,625 | 3,100 | 2,400 | 1,800 | 1,300 | 1,150 | 200,000 |
| Global**Core Hose** | 212°F / 257°F | 797 | 787 | 487 | 487 | 487 | 387 | 387 | 387 | 387 | 200,000+ |
| **ISO 3862-1-4SP** | 212°F | 6,500 | 6,450 | 6,000 | 5,000 | 5,000 | 4,000 | 3,000 | 2,650 | 2,400 | 400,000 |
| Global**Core Hose** | 212°F / 257°F | | | 797 | 787 | 787 | 487 | 387 | 387 | 387 | 400,000+ |
| **ISO 3862-1-4SH** | 212°F | * | * | * | * | 6,000 | 5,500 | 4,700 | 4,200 | 3,625 | 400,000 |
| Global**Core Hose** | 212°F / 257°F | | | | | 797 | 797 | 787 | 787 | 487 | 400,000+ |

*Not covered by spec.

| Grade | Type[a] | Resistance to Impulse | | |
|---|---|---|---|---|
| | | Temperature | Impulse Pressure (1% of MWP[b]) | Minimum Number of Cycles |
| A | AS | 100°C (212°F) | 133% | 200,000 |
| | AC | | | |
| B | BS | 100°C (212°F) | 133% | 500,000 |
| | BC | | | |
| C | CS | 120°C (250°F) | 133% and 120%[c] | 500,000 |
| | CC | | | |
| D | DC | 120°C (250°F) | 133% | 1,000,000 |