

STS-eco (Super-Torque Synchronous Belt Eco)

Product Introduction

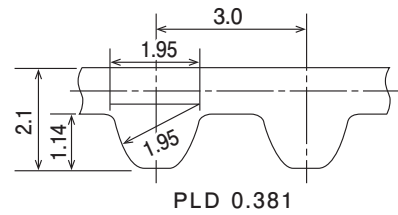
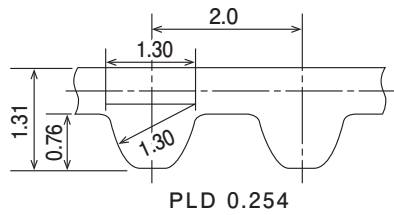
This synchronous belt is designed considering reduction of environmentally hazardous substances.

The mainstream rubber material that had been used in the previous synchronous belts was chloroprene rubber, which contains chlorine. The ecological specification developed this time is composed of ethylene propylene diene monomer (EPDM), which is gaining attention as an environmentally friendly halogen-free polymer, at all rubber sections including adhesion of the cords.

Product Name and Type

Super-Torque Synchronous Belt Eco (STS-eco)
Type: S2M•S3M

Dimensions



Features

- ① Halogen-free specification (Not containing chlorine)
- ② Excellent ozone resistance
- ③ Excellent cold resistance characteristics

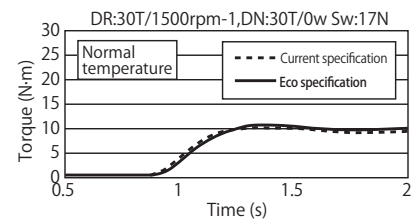
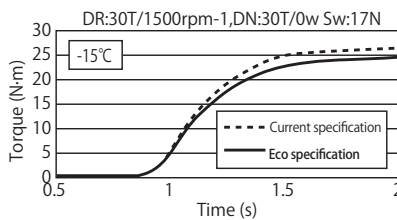
Ozone resistance

Ozone concentration		Crack occurrence time (hrs)	
		Current specification	Eco specification
10ppm	Condition 1	4	360 or more
	Condition 2	360 or more	360 or more
50pphm	Condition 1	360 or more	360 or more
	Condition 2	360 or more	360 or more

Condition 1 S2M was wound around a 20-tooth pulley and left, and the time of an occurrence of a crack in the back face was checked.

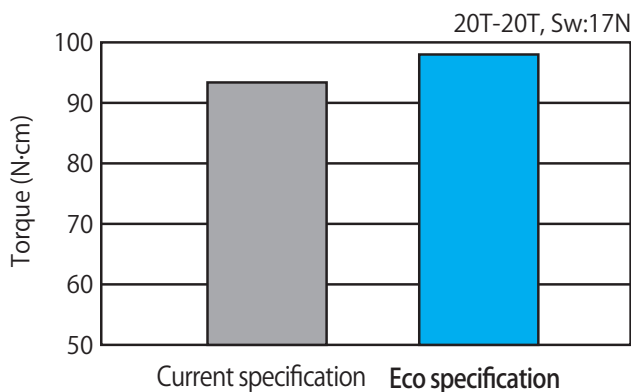
Condition 2 S2M was left in a free condition, and the time of an occurrence of a crack in the back face was checked.

Cold resistance (starting torque)

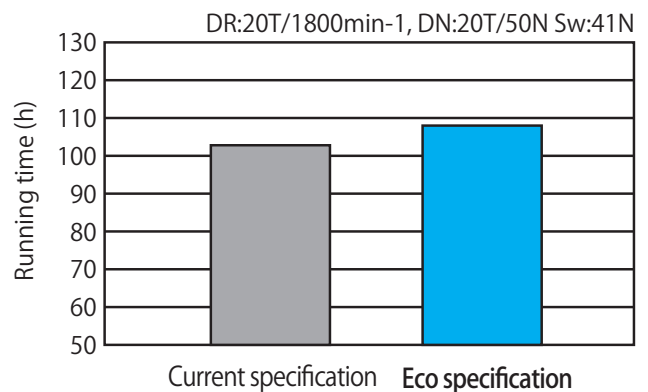


Belt performance

1 Skip torque (Type S2M Width of 4 mm)



2 Load durability (40S2M260)



*Avoid using this belt in conditions in which oil, grease, or the like adheres to the belt.

*For compatible sizes, please contact us.

*For belt design, please contact us.