



Supplier's Declaration of Conformity Program for Police Brake Pads, Rotors, and Kits

using OE reference materials
V01.2021



pads

Link Police Emergency Vehicle
Operating Course – EVOC

Performance per FMVSS 135
— SAE J2784

Pad wear
— Link USCT

Squeal noise propensity
— SAE J2521 with cold

Friction behavior and fade
— ISO 26867*

Bonding strength
— SAE J840*

* Included also as part of the annual audit

rotors

Link Police EVOC
Performance per FMVSS 135
— SAE J2784

Pad wear
— Link USCT

Squeal noise propensity
— SAE J2521 with cold

Rotor crack at high temperature
— SAE J2928 *

Link Police EVOC
Performance per FMVSS 135
— SAE J2784

Pad wear
— Link USCT

Squeal noise propensity
— SAE J2521 with cold

Rotor crack at high temperature
— SAE J2928 *

Friction behavior and fade
— ISO 26867*

Bonding strength
— SAE J840*

initial
evaluation

annual
audit

five-year
evaluation

All tests

Quality system
accreditation
— ISO 9001 or
ISO/TS 16949

Audit tests

Quality system
accreditation
— ISO 9001 or
ISO/TS 16949

All tests

Quality system
accreditation
— ISO 9001 or
ISO/TS 16949



Link Police EVOC Cycle

99% braking events within 0.04 g during handling and pursuit cycles

Friction scatter not significantly larger than OE baseline

At least 90% structural integrity

Less than 4 mm backing plate deformation at the end of the test

At least 2 mm friction material remaining at the end the test

Rotor thickness > OE rotor thickness stamp requirement



performance

SAE J2784

At least half effectiveness stops below the FMVSS calculated stopping distance

Best three stops during failed power assist below the FMVSS calculated stopping distance

At least two fade heating snubs above 0.26 g



pad wear

USCT (5 Shifts)

Estimated pad mileage (based upon the lower of the inner and outer pad shifts 2-5)



squeal

SAE J2521

Not more than one SAE J2521 ranking below the OE baseline above 70 dB(A) and between 2 kHz and 16 kHz

Or, SAE J2521:2013 ranking of A or better



friction audit

ISO 26867

Average friction coefficient within 15% of declared value

Minimum friction coefficient above the declared value

Maximum friction coefficient below the declared value



crack/fatigue

SAE J2928*

One rotor completes 150 cycles

Two rotors complete 100-150 cycles

Two rotors with at least the number of cycles of OE baseline – 10%

* Failure defined as crack A.2 or A.3



pad bonding

SAE J840

Shear strength at least 40% safety margin at 1.0 g panic or emergency braking operations



quality

ISO 9001 or ISO/TS 16949

Maintain quality system accreditation

Maintain control plans for products and manufacturing processes



formulation

SAE J2975 / SAE J866

Maintain friction material formulation

Maintain manufacturing process
maintain environmental marking



Program administrator

www.linkeng.com



Program registrar

www.ameca.org