

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

using OE reference materials







pads	rotors	kits
Link Police Emergency Vehicle	Link Police EVOC Performance per FMVSS 135 — SAE J2784	Link Police EVOC
Operating Course – EVOC Performance per FMVSS 135		Performance per FMVSS 135 — SAE J2784
	Pad wear — Link USCT	Pad wear — Link USCT
Link USCTSqueal noise propensity	Squeal noise propensity — SAE J2521 with cold	Squeal noise propensity — SAE J2521 with cold
- SAE J2521 with cold	Rotor crack at high temperature — SAE J2928 *	Rotor crack at high temperature
Friction behavior and fade — ISO 26867*		- SAE J2928 *
Bonding strength		Friction behavior and fade — ISO 26867*
SAE J840** Included also as part of the annual audit		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

Average friction coefficient within 15% of declared value

Minimum friction coefficient above the declared value

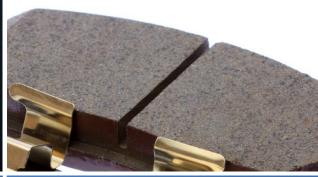
Maximum friction coefficient below the declared value

crack/fatigue

One rotor completes 150 cycles
Two rotors complete 100-150 cycles
Two rotors with at least the number
of cycles of OE baseline – 10%







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