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International

ISO 2974

Diesel engines — 60° concave cones for high-pressure fuel injection components

Moteurs diesels — Raccords finaux à cône concave de 60° pour lignes d'injection de carburants haute pression

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This tenth edition cancels and replaces the ninth edition (ISO 2974:2018), which has been technically revised.

The main changes are as follows:

— language inclusivity was improved;

— new thread option M16 × 1,0 in Table 1;

— updated reference standard ISO 21920-1 for roughness indication.

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To comply with recent exhaust gas regulations and fuel consumption regulations for internal combustion engines, the fuel injection pressure of automobile diesel engines is generally 2 000 bar or more. Fuel injection systems operating at pressures of approximately 2 700 bar are also being introduced to the market.

Since this fuel injection pressure is extremely high, the dimensions and specifications of the 60° concave cones for high pressure fuel connections are standardized. This is to prevent fuel leaking from the joint or other failures.

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