

Product Specifications

Laboratory Data:

Viscosity		
Stabinger (ASTM D7042)	Temperature	v (mm²/s)
	0 °C [32 °F]	340
	20 °C [68 °F]	100
	40 °C [104 °F]	40
Viscosity-Index (ISO)		150
Viscosity-Temperature-Behaviour		good

yellow Color -15 °C **Permanent Low Temperature** 72 hrs fluid [+5 °F]

Application Temperature -10 °C to +80 °C [+14 °F to +176 °F]

Density 20 °C [68 °F] (DIN) 0.92 g/cm³ **Surface Tension** 30 mN/m **Evaporation Rate** 0.4 % 24 hrs/105 °C [221 °F] very low

Drop Stability good **Durability** good

Corrosion Resistance brass: very good steel: very good

Compatibility with Plastics on request

Composition partially synthetic oil on base of esters and

hydrocarbons with additives

Comments:

Partially synthetic clock and instrument oil on base of different synthetic ester oils, natural hydrocarbons and polyalphaolefines. Type 1-3 is equipped with an additive package for high ageing and oxidation stability as well as corrosion resistance, which ensures its application in the field of horology.

The partially synthetic clock and instrument oil Type 1-3 replaces the ancient classical watch and instrument oils Type 1, 2 and 3.

P120e

Telefon: +49 (0) 7451 5386-0 info@tillwich-stehr.com www.tillwich-stehr.com

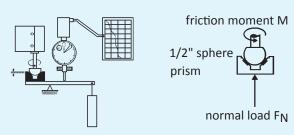
Type 1-3

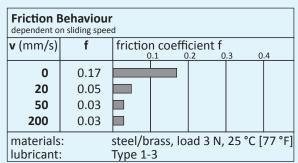
Article No. TK2213

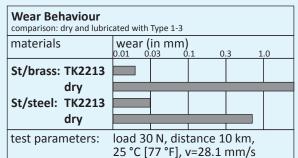
Partially Synthetic Watch and Instrument Oil

Tribological Data:

Test System: sphere on prism (ISO 7148/2)







Watch and instrument oil for metallic sliding

combinations and jewel bearings in pocket and wrist

watches, small or alarm clocks. For pivot bearings up

to 3 mm diameter (0.12 inches), teeth of

escape-wheels, cornet-screws, mainsprings.

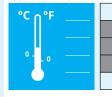
Application:

Product

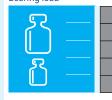
Bearing material



Application temperature



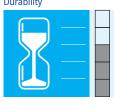
Bearing load



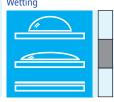
Sliding speed



Durability







All information reflects our best knowledge. No responsibility is taken for printed data. Technical and chemical changes may occur without notice. We cannot be held liable for any use or application.