

# **Product Specifications**

### **Laboratory Data:**

Consistency

Penetration			
quarter cone	Unworked penetration	Worked penetration	
	235 - 285 mm/10	250 - 310 mm/10	
NLGI Class		3	

Color yellow/white 180 °C [356 °F] **Dropping Point** 

Oil Separation (FTMS) 5 % 48 hrs/85 °C [185 °F]

Permanent Low Temperature -20 °C Base Oil 72 hrs fluid [-4 °F]

**Application Temperature** -10 °C to +80 °C

[+14 °F to +176 °F]

firm

**Base Oil** synthetic oil on ester

base (free of silicones)

**Viscosity Base Oil** 150 mm<sup>2</sup>/s 20 °C [68 °F]

**Thickener** 

metallic soaps, anti-separation-gel, micro PTFE particles

**Durability** very good

**Drop Stability** very good **Corrosion Resistance** brass: very good

steel: very good

**Compatibility with Plastics** on request

#### **Comments:**

Clock-Grease 859-8 + PTFE has been developped especially for precision bearings out of metals. It contains a fully syntheticbase oil with high load carrying capacity and excellent ageing stability. A special thickener combination out of metallic soaps, anti-separation-gel and micro PTFE particles guarantees high adhesion, an optimized oil separation behavior and a strong reduction of stick-slip effects. Very low friction coefficients.

Clock-Grease 859-8 + PTFE is free of silicones. If applied with plastics please test their compatibility or request results.

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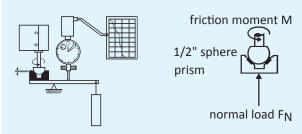
# Clock-Grease 859-8 + PTFE

**Article No. TF1850** 

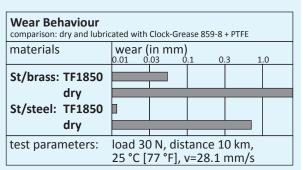
Precision Grease with Excellent Friction Behavior

#### **Tribological Data:**

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



Friction Behaviour dependent on sliding speed			
<b>v</b> (mm/s)	f	friction coefficient f	
0	0.08		
20	0.06		
50	0.04		
200	0.04		
materials	materials: steel/brass, load 3 N, 25 °C [77 °I		
lubricant		Clock-Grease 859-8 + PTFE	



For metal bearings in clock movements, counters,

alarm clocks, helical gear trains, measuring devices,

precision gears, mainsprings, plotters, printers. For

all brass/steel bearings from 0.1 to 10 mm diameter

(0.004 to 3/8 inches). For barrels, clicks, guidances,

# Product





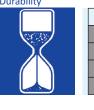




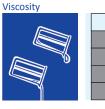
















ISO 9001





**Application:** 









