

Product Specifications

Laboratory Data:

Penetration						
quarter cone	Unworked penetration	Worked penetration				
30	235 - 285 mm/10	250 - 310 mm/10				
NLGI Class		3				

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

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

Permanent Low Temperature -15 °C Base Oil 72 hrs fluid [+5 °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 mm²/s

20 °C [68 °F]

Consistency

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 synthetic base 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.

P285c

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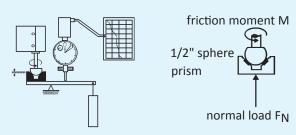
Clock-Grease 859-8 + PTFE

Article No. TF1850

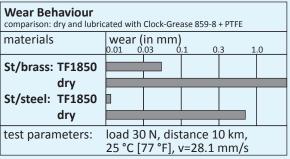
Precision Grease with Excellent Friction Behavior

Tribological Data:

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



Friction Behaviour dependent on sliding speed							
v (mm/s)	f	friction coefficient f					
0	0.08						
20	0.06						
50	0.04						
200	0.04						
materials: steel/brass, load 3 N, 25 °C [77 °F] 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,

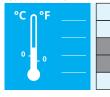
Application:

Product

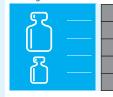
Bearing material



Application temperature



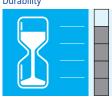
Bearing load



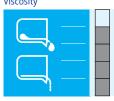
Sliding speed

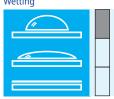


Durability



Viscosity





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.