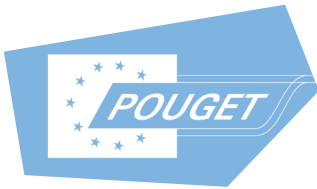


MEASUREMENTS AND CONTROL EQUIPMENTS



■ Instrusment for measuring Rail Corrugation.....1/7	■ Gauges for Track (Rail Measuring Devices).....8/7
■ Torque Wrench Control.....2/7	■ Gauges for Switches and Crossings (Turnouts).....9/7
■ Rail Deflation Gauge Device / Track Level.....3/7	■ Gauges for Switches and Crossings (SNCF Type).....10/7
■ Gauges and Callipers.....4/7	■ Alongside Plateform Rule.....11/7
■ Multiple Controllers for NABLA and CIL Clips.....5/7	■ Pegs in curve Control Rule.....11/7
■ Odometer on rail.....6/7	■ Gauge spacing of Wagon Wheels12/7
■ Long Meters.....6/7	■ Calliper Rail Wear.....12/7
■ Devices for measuring Rail Wear.....7/7	■ Rail Thermometers.....13/7



INSTRUMENT FOR MEASURING RAIL CORRUGATION

USE: Instrument for instantly measuring rail corrugation

ADVANTAGES: A very lightweight, accurate and easy to handle device.

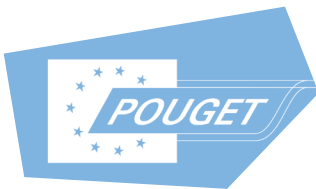
- Aluminium alloy body
- Accuracy = 1/100e mm
- The device is attached to the top of the railhead using 2 magnets.
- The user reads the rail corrugation on the scale dial placed above the device.

There are 3 Longitudinal Stroke Models : ▷ 280 mm Stroke Ref. **PAC-280**
▷ 500 mm Stroke Ref. **PAC-500**
▷ 1000 mm Stroke Ref. **PAC-1000**



OPTIONS

- **Wooden Case** with Lock and Transport Handles - Ref. **CO**



TORQUE WRENCH CONTROL

USE: Check the Torque of the Coachscrews, the Fishbolts and the Rail Bolts.

ADVANTAGES: Very Accurate and Reliable Equipment.

DYNAMOMETRIC WRENCH

- Capacity : from 7 to 35 daNm
- Total Length = 770 mm
- Drive Ø 3/4"
- Net Weight = 2.2 Kg
- Reference : **CDY** (supplied without socket)
- Supplied with rigid Box
- Total Weight 3 Kg



SOCKETS (Unit Weight 0.5 Kg) :

- Square** : 21 mm.....Ref. **136-A6**
 23 mm.....Ref. **136-A5**
 27 mm.....Ref. **137-C9**
- 6 pans** : 36 mm.....Ref. **137-C8**
 38 mm.....Ref. **137-C7**
 40 mm.....Ref. **137-C9**

Options : Other Measuring Capacity until 150 da.Nm (on request)

HALF-MOON GAUGE

To check the tightening Torque for the Standard Installation

Net Weight = 0.27 Kg

Reference : **JC-1**



SET OF THICKNESS - WEDGES

Length of blades 90 mm

Width of blades 10 mm

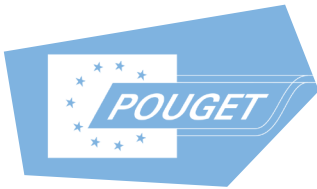
Quantity of blades 19

Thickness of blades in 1/10 mm

Net Weight 0.6 Kg

Reference : **JC-2**





RAIL DEFLATION GAUGE DEVICE - TRACK LEVEL

USE: Checking and Measuring the Rail Deflation → **RAIL DEFLATION GAUGE DEVICE**
Check the Superelevation of the Track and Various Inspection and Levelling Tasks
→ **TRACK LEVEL**

ADVANTAGES: Easy and Accurate Tools.

RAIL DEFLATION GAUGE DEVICE (SNCF Model)

- Body in Steel
- Brass Graduated Scale from 0 to 50 mm
- Galvanized or treated with bichromates for protection.
- Dimensions of Support Base = 14 x 16 cm
- With Handle
- Net Weight = 1 Kg
- Reference : **307**



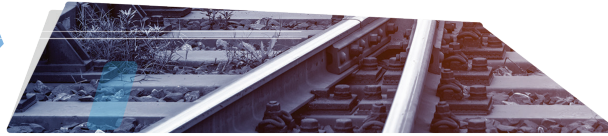
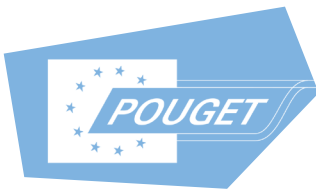
TRACK LEVEL

- Steel Base
- Length 20 cm
- Flask Protected by an Unbreakable Rhodoid
- Weight = 0.2 Kg
- Reference : **7**



OPTIONS

- **Aluminium Shoe** - Weight = 0.1 Kg - Ref. **71**
- **Track Level with Magnets** - Ref. **7-AM**



GAUGES AND CALLIPERS

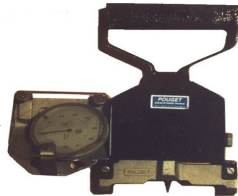
USE: Various Inspections and Measurements (Controls)

ADVANTAGES: Simple and Tough.

Portable POUGET TEST-NABLA (French clips)
Use to measure the curvature of the Nabla clip on the track after tightening.

- Measurement stroke = 10 mm
- Measurement accuracy = 1/10e mm
- Delivered with woodencase = 30x30x10 cm
- Weight of the device in the case = 4 Kg
- Reference : **PTN**

Direct Reading



GAUGE for inspecting the tightness of clips

« RN » (french clips) - Angled Model

- Scaled 0.3 to 5 mm
- Length : 150 mm
- Weight = 60 gr.
- Reference : **579-1**

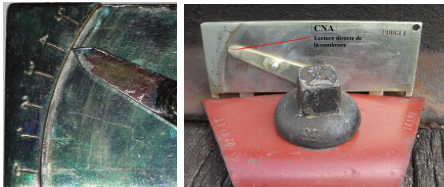


CAM INDICATOR (For Nabla Clips)

Scaled : 0 to 5 mm

- Weight = 0.260 Kg
- Référence : **CNA**

Direct Reading



GAUGE 3 points in for NABLA Clips

For New Track :

Standard Tightening 1.5 mm

Weight : 0.3 Kg

Ref. **G3P**



Double Tightening 1 and 1.5 mm

Weight : 0.3 Kg

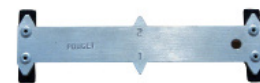
Ref. **G3P-2**



For Maintenance and Liberation : (controls 1 and 2 mm)

Weight : 63 gr.

Ref. **G3P-A**



**MULTIPLE CONTROLLER
for NABLA - CLIPS - Sheet No-5/7**

CALLIPERS for inspecting the half-open

position of the switches

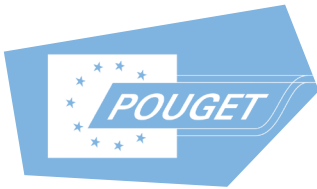
- 5/6/8 mm wedges
- Length 140 mm
- Aperture = 20.5mm
- Weight = 0.17Kg
- Reference : **585**



Gauge for Inspecting the Play of the Fishplate

- Scaled 1 to 20 mm
- Cadmium plated for protection
- Length = 230 mm
- Weight = 0.25 Kg
- Reference : **580**





MULTIPLE CONTROLLERS for **NABLA** and **CIL CLIPS**

These portable Instruments allow the direct reading for

- Control of measured tightening
- Control of tightening
- Elasticity Control

In Stainless-steel, with handle in insulated tube.

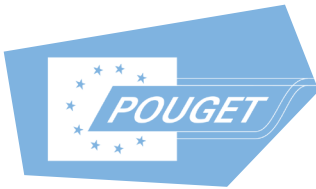
The 3 graduated scales allows a direct reading.

For **NABLA CLIPS** Ref. **CNAB** - Net Weight = 0.75 Kg



For **CIL-CLIPS** - Ref. **CCIL** - Net Weight = 0.60 Kg





ODOMETER ON RAIL - LONG METERS

USE: Measure lengths of track by travelling on the rail.

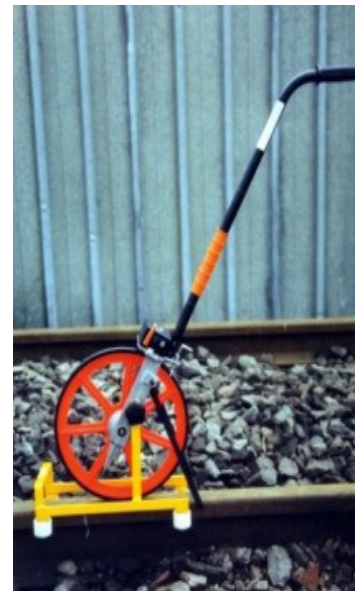
ADVANTAGES: Simple, tough and accurate device (Can be folded for easy transportation).

ODOMETER ON RAIL,

- Portable device with a base stand
- Ø 318 mm Rubber Wheel (1 Revolution = 1 meter)
- 2 Lateral Rail Roller Guides (in Nylon)
- 1 folding handle length unfolded : 1.10 m
- 1 meter from 0 to 9999 m with re-zero setting.
- Floor sizes with handle folded : 53 x 17 x 32 cm
- Net Weight = 3 Kg
- Reference : **OD-10**



PL1S-OD-10

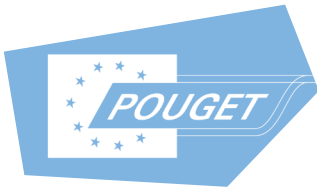


OD-10

LONG METERS,

- 2 Models
- Length 30 meters - Ref. **L-30**
- Length 50 meters - Ref. **L-50**





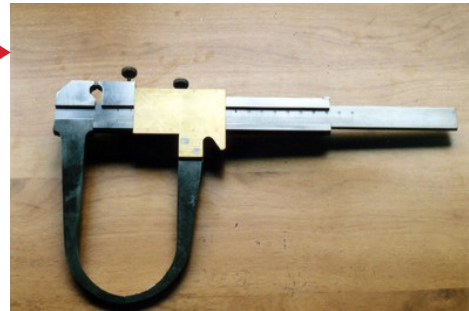
DEVICES FOR MEASURING RAIL WEAR

USE: Checking and Measuring Wear of the Rails.

ADVANTAGES: Accurate Device.

SLIDE CALLIPER RULE - ref. 1019

- All steel
- Scaled from 0 to 180 mm
- Total Length = 310 mm
- Width of Jaws = 70 mm
- Weight : ▷ Slide Calliper Rule = 0.75 Kg
▷ Wooden Case = 0.50 Kg



ASTRIDE CALLIPER - ref. 1020

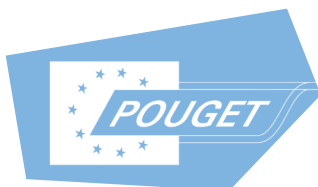
- It is laid on top of the rail to measure Vertical and Lateral Wear
- Stainless Steel
- Special Device for each Rail Section
- Weight : 1.4 Kg
- With **Level Control of inclination of the Rail**
(at 1/20e or at 1/40e) - Ref. 1022 - Weight : 1.3 Kg



CALLIPERS FOR MEASURING THE WEAR of the interior of rail - ref. 1021

- Fixed under the Skid of the Rail
- Weight 2 Kg





GAUGES FOR TRACK (RAIL MEASURING DEVICES)

USE: High-precision measure to check the track gauge and superelevation (Tracks Renewal and Maintenance)

ADVANTAGES: Light (aluminium body) - integrated adjustable bubble level

STANDARD GAUGE - Ref. **GW-80**

This is a very accurate for the following direct readings and measurements

- Track gauge reading = -10 to +40 mm.
- Track superelevation reading = -40 to +200 mm
- Graduation mark = 1 mm
- Electrically insulated
- Dimensions : 1680 x 105 x 300 mm
- Net weight = 2.9 Kg for track gauge 1435 mm .



Immediate Reading

We can supply these Track Gauges Rules for all Other Gauges (To specify)

Certificate of Calibration (on request)



« **Alongside platform** » rule, Check the positioning of the track in relation to the platform.

- Reference : **GW-85** (See Sheet No-10/7)

SNCF Type Rule Reference : **1NG**

Body in Duraluminium

With Separated Level (Ref. **7**) for Reading of the Track Slope - Weight 3 Kg



Single standard gauge measure - Steel body

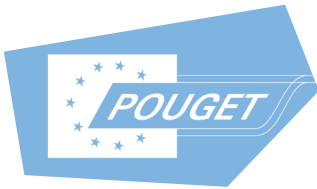
Reference : **11NG**

With Separated Level (Ref. **7**) for Reading of the Track Slope - Weight 2 Kg



OPTIONS

- **Device for tram tracks : add ... TR**
- **Wooden case** = 13 Kg - Dimensions : 175 x 14 x 28 cm - ref. **CO**



GAUGES FOR SWITCHES AND CROSSINGS (TURNOUTS)

USE: High-Precision Gauge to measure the Switches and Crossings (New Equipment or Maintenance Works)

ADVANTAGES: Direct reading : for all measurements - Integrated adjustable bubble level.

This is a very **accurate Rule** for the following direct readings and measurements

- Track gauge = -10 to +40 mm.
- Superelevation of the track = -40 to +200 mm
- Track guide = -10 à +10 mm
- Between Guard rails (1332 to 1365 mm for standard gauge)
- Width of switch opening (31 to 60 mm) size of switch tongue protection
- Accuracy of reading : 1 mm
- Sizes (for standard gauge) : 1710 x 105 x 250 mm
- Weight = 3.6 Kg (for 1435 mn track)
- Reference : **SW-9182**

We can supply these Track Gauges Rules for all Other Gauges (To specify)

Certificate of Calibration (on request)

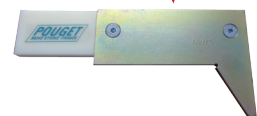
See Options below



Rule for checking 1/2 Point and Crossings - Ref. 582, With 3 mm Checking Punch «Duralumin» Body Nylon insulator on base, Length : 1.65 m - Weight 1.7 Kg
Length 1.65 m
(for Standard Track 1435 mm.)



Ref. K-125

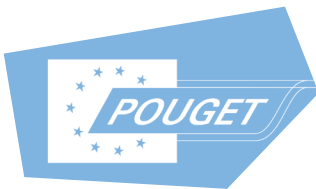


OPTIONS

- **Accessory** for checking of Point Protection - Ref. **K-120**
- **Wooden case** (175 x 14 x 28 cm) - Weight = 13 Kg - Ref. **CO**
- **Device for tram tracks** (add) - **TR**

- At 60° Square Rule for the Control of the Slope Running - Ref. **K-125**

SW-9182 Rule



«10-R» SNCF GAUGE FOR SWITCHES AND CROSSINGS (TURNOUT)

USE: High-Precision Gauge to measure the Switches and Crossings.
(For New Equipments, and for Maintenance Works)

ADVANTAGES: Direct reading for all Measurements.

The «10-R SNCF» Gauge is a very accurate Tool, and allows the following Direct Readings and Measurements :

- Track Gauge = -10 to +40 mm.
- Superelevation of the Track = -40 to +200 mm
- Track Guide = -10 to +10 mm
- Between Guard Rails = 1332 to 1365 mm (For Standard Gauge)
- Width of Switches Opening : 31 to 60 mm
- Size of Protection of Point into the Double Slips.
- Dimensions (for Standard Gauge) : 161 x 9 x 13 cm
- Weight (for Standard Gauge) = 7.6 Kg
- Reference : **10-R «SNCF»**

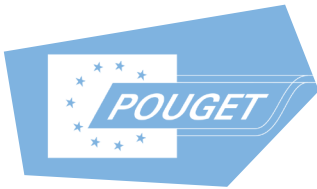
Track Gauge **Control**
and Superelevation



Control Track Guide between
Guard-Rails and Width of Switch-Opening



Accessory for Checking of Protection
of Point into the Double Slips



GAUGES CONTROL

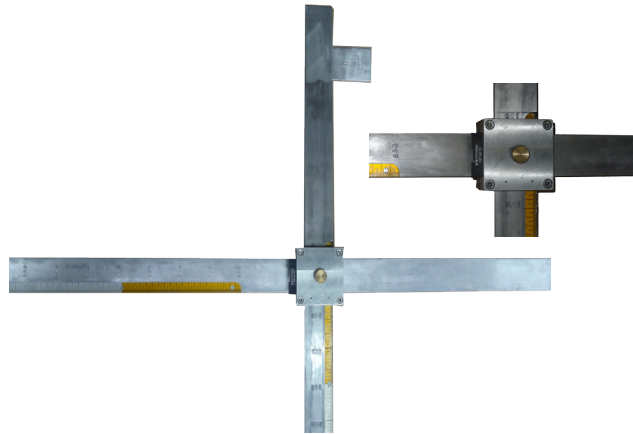
ALONGSIDE PLATFORM RULE

Made in aluminium
Double scale (horizontal and vertical) with level.

This rule allows to control the positioning of track regarding to the palteform.

Net Weight : 3 Kg

Reference : **GW-85**

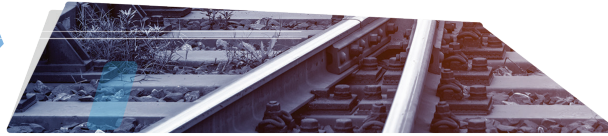
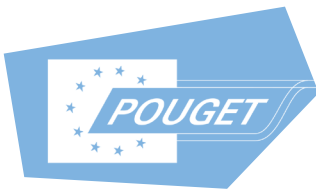


PEGS IN CURVE CONTROL RULE

- Made in aluminium, comprising
- 1 Horizontal support Bar with a millimetric reglet and a central level
- Graduations 830 to 1030 mm (for standard gauge)
- 1 Vertical Bar with handle (stroke 315 mm)
- Stroke 315 mm to counterbalance the cant of the Track
- Net Weight : 2.2 Kg
- Reference : **GW-86**



Horizontal Graduations



GAUGES SPACING OF WAGON WHEELS AND CALLIPER RAIL WEAR

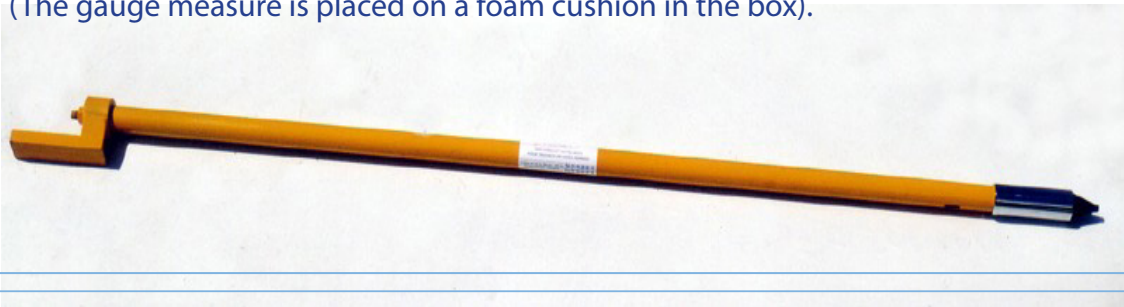
USE: Check the distance between Wagon wheels (setting), Inner sides of the axles.

ADVANTAGES: Simple and accurate.

E.I. GAUGE (Measuring Tool for Spacing of Wheels internal and active Faces)

- Body in Steel (paint : yellow) - «SNCF» Model
- End section in treated steel, interchangeable
- With integrated graduated Indicator
- Measurement capacity :
 - ▷ For Standard Gauge 1350 to 1390 mm - Ref. **RW-N**
 - ▷ For Metric Gauge 900 to 970 mm - **RW-E**
- Direct Read Measurement Indicator - Accuracy ± 0.1 mm.
- Chrome Rotating Part
- Net Weight = 3 Kg (Standard Gauge) / 2.3 Kg (Metric Gauge)

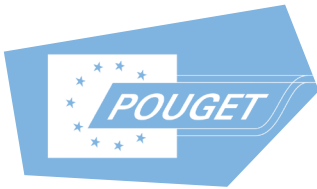
Delivered in Iroko varnished wood case, with fasteners and handle.
(The gauge measure is placed on a foam cushion in the box).



CALLIPER FOR MEASURING THE RAIL-WEAR - Ref. 586

To indicate the rail-section





RAIL THERMOMETERS

USE: Measure the rail temperature, with tables for rails joints.
Length 18, 24 and 36 m (for expansion devices : See Charts)

ADVANTAGES: Simple and Accurate Devices.

FLAT THERMOMETER «SNCF» Model

- Aluminium Rectangular Body
- Scaled from -20 to +60° C
- Length = 145 mm
- Width = 28 mm
- Thickness = 12 mm
- Weight = 200 gr.
- Reference : **38**



CIRCLE THERMOMETER

- Body in brass Ø 10 mm with ring
- Graduations : -20° to +65° C
- Length = 154 mm
- Weight = 40 gr.
- Reference : **38-R**



THERMOMETER INTO A PIECE OF RAIL, with Handle and Cover Plate.
(This Device enables users to find out the Exact Temperature inside the rail)

- Length of rail = 170 mm
- Weight = 7 Kg
- References : ▷ with Flat **Thermometer ref. 38** ----- Ref. **39**
▷ with Circle **Thermometer ref. 38-R**-- Réf. **39-C**
(Supplied painted, to indicate the colour or no-painted)



OPTIONS

- **THERMOMETER with 2 sticked magnets** (to attach it to the rail) - Ref. **38-A**
- **Wooden Case** - Dimensions : 16 x 4 x 3 cm - ref. **38-CO**
- **Protective Leather Casing** - ref. **38-E**



NOTES



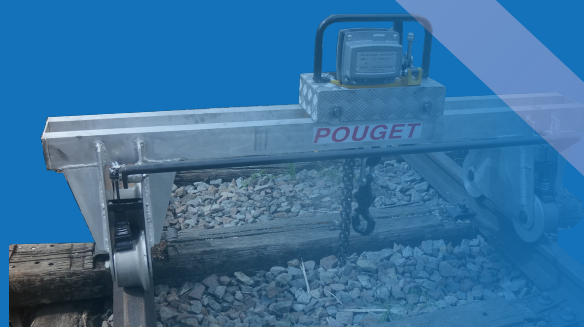
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CATALOGUE

MACHINES & TOOLS

for Track Construction and Maintenance

SINCE 1935