



Baty Dual Plane Digital Height Gauge

Features

- Range up to 0-600mm
- Measures offset components
- Can be used as an ordinary digital caliper
- Easy to use clear readout
- Large ground face to ensure component square when being measured
- 0.01mm resolution (0.0005")

DHG-300 and DHG-600

- 300mm and 600mm models supplied with dial indicator mounting feature as shown



Indicator not included

BATY DUAL PLANE DIGITAL HEIGHT GAUGE

Code No	Range (mm)	Range (inch)	Resolution (mm)	Resolution (inch)	Accuracy (mm)	Accuracy (inch)
DHG-150	0-150	0-6	0.01	0.0005	+/-0.03	0.0012
DHG-300	0-300	0-12	0.01	0.0005	+/-0.04	0.0015
DHG-600	0-600	0-24	0.01	0.0005	+/-0.05	0.002

Vernier Height Gauge 190 Series

Features

- Zero reference point can be adjusted for calibration
- Hardened stainless steel beam
- Measuring faces are micro-lapped for high accuracy
- Chrome plated scale
- Heavy duty base for increased stability
- Carbide tipped scriber
- With fine adjustment
- Magnifier glass for easy reading of vernier scale



VERNIER HEIGHT GAUGE

Code No	Range (mm)	Resolution (mm)	Size of Base (mm)
MW190-30	0-300	0.02	125 x 85
MW190-50	0-500	0.02	170 x 110
MW190-60	0-600	0.02	180 x 120

Digital Mini Height Gauge 192 Series

Features

- Large LCD display
- Solid aluminium alloy base with magnets
- Hardened stainless steel beam
- Measuring range: 0-6" / 0-150mm
- Reading: inch/metric/fractional
- IP54 water, dust and oil resistant
- ABS, HOLD and power saving functions



DIGITAL MINI HEIGHT GAUGE

Code No	Range (mm)	Range (inch)	Accuracy (mm)	Accuracy (inch)
MW192-20D	0-150	0-6	0.04	0.0015



Digital Height Gauge 190 Series

Features

- Easy to read LCD display
- Soft keys for maximum operating comfort
- Ground micro-lapped measuring surfaces
- Functions: mm/inch conversion, on/off, zero-setting, max, min, hold, battery low indication
- Fine adjustment for high precision measurement



DIGITAL HEIGHT GAUGE

Code No	Range (mm)	Range (inch)	Resolution (mm)	Resolution (inch)	Size of Base (mm)
MW190-30DBL	0-300	0-12	0.01	0.0005	90 x 140
MW190-50DBL	0-500	0-20	0.01	0.0005	120 x 180
MW190-60DBL	0-600	0-24	0.01	0.0005	120 x 180

Digital Height Gauge 193 Series

Features

- Easy to read LCD Display
- Ground & Micro lapped measuring surfaces
- Functions: mm/inch conversion, on/off, zero setting, preset
- With fine adjustment
- Supplied with carbide tipped scriber
- Hand wheel operation with positive lock



DIGITAL HEIGHT GAUGE

Code No	Range (mm)	Resolution (mm)	Repeatability (mm)	Accuracy (mm)
MW193-30DDL	0-300	0.01	0.01	+/- 0.040mm
MW193-60DDL	0-600	0.01	0.01	+/- 0.050mm

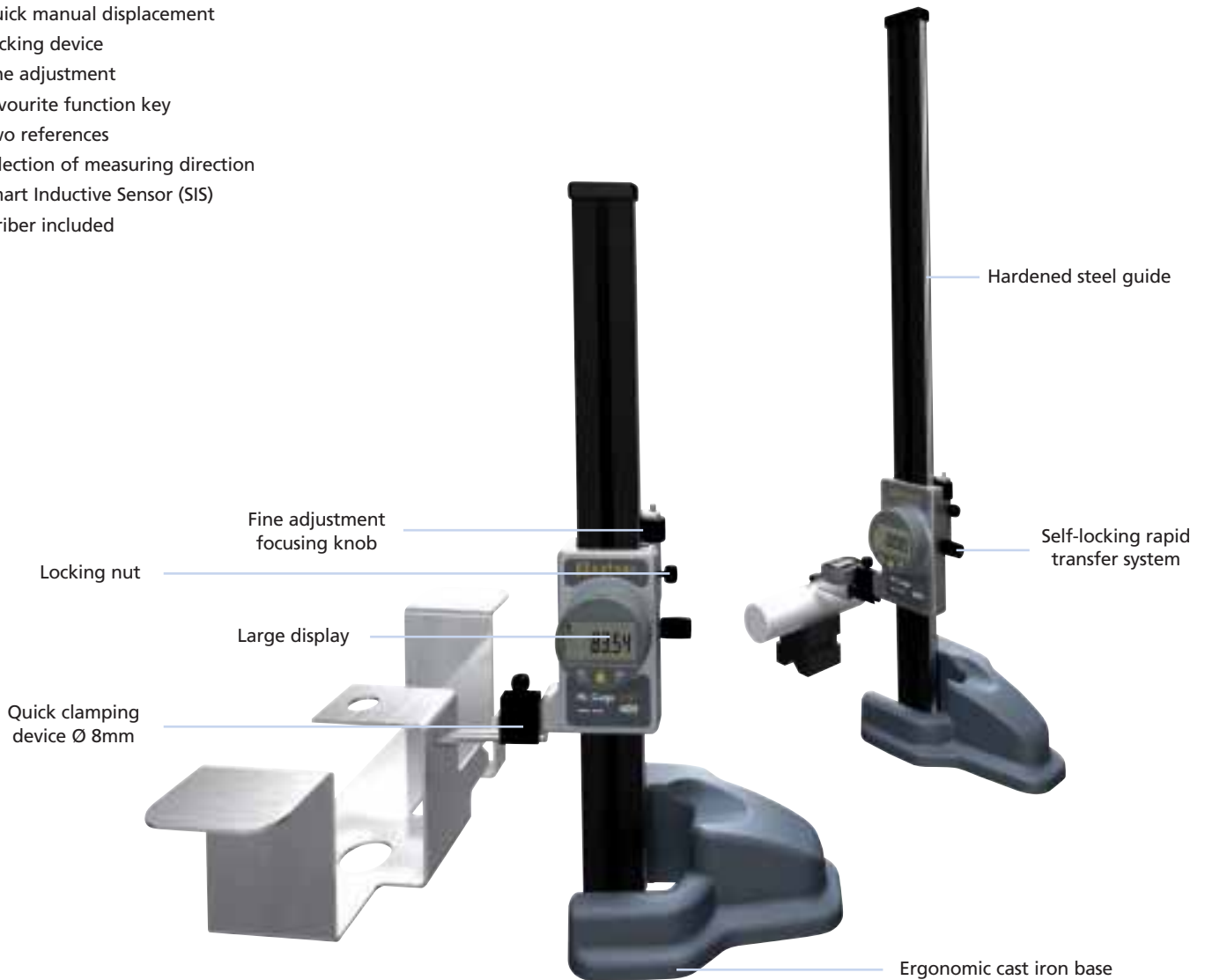
Sylvac Hi_Gage ONE Height Gauge

Available in 400mm and 600mm capacities, the robust new Sylvac Hi_Gage ONE Height Gauge is water and coolant resistant and designed to provide high levels of accuracy and repeatability throughout extended shop floor use.



Features

- Robust conception
- Quick manual displacement
- Locking device
- Fine adjustment
- Favourite function key
- Two references
- Selection of measuring direction
- Smart Inductive Sensor (SIS)
- Scriber included



SYLVAC HI_GAGE ONE HEIGHT GAUGE

Code No	Range (mm)	Resolution (mm)	Maximum Error (µm)	Repeatability (µm)
30-840-0400	400	0.01	40	10
30-840-0600	600	0.01	50	10

Code No	Description
30-840-9001	Ball Probe Ø 8mm
30-840-9002	Replacement scriber
30-905-2247	Lever indicator dovetail holder



Trimos Mini-Vertical Height Gauge

The Trimos Mini-Vertical Height Gauge is perfect for height measurements and scribing work and suitable for all kinds of workshop conditions. Its unique, compact design offers mobility and extreme stability. Because of its advanced measuring system, the self-contained working time of the Mini-Vertical is one year; therefore it can be used for multiple applications on the shop-floor.



Features

- Robust and compact construction
- Perfect for use on the shop-floor
- Constant measuring pressure
- Accurate and reliable measurements
- User friendly
- Opto-RS232 data output
- 3V Lithium battery CR2032
- Large range of accessories
- Two models available: cast iron base or granite base



TRIMOS MINI-VERTICAL

Code No	Description	Range (mm)	Range (inch)	Accuracy		Repeatability	
				(mm)	Resolution (mm)	Resolution (inch)	(mm)
20-23CI	300mm, Cast iron base	320	12	0.02	0.01 / 0.001	0.0005 / 0.00005	0.005
20-23GR	300mm, Granite base	320	12	0.02	0.01 / 0.001	0.0005 / 0.00005	0.005
20-2310CI	600mm, Cast iron base	620	24	0.03	0.01 / 0.001	0.0005 / 0.00005	0.005
20-2310GR	600mm, Granite base	620	24	0.03	0.01 / 0.001	0.0005 / 0.00005	0.005

Sylvac Hi_Cal Digital Motorised Height Gauge

The Sylvac Hi_Cal Digital Motorised Height Gauge is perfect for a variety of measuring tasks including step heights, internal/external diameters and centre-line distances.

The height gauge benefits from Sylvac's patented inductive measuring electronics and the latest motorised probing system, to give excellent repeatability and ease of use.



Swiss Precision



Option



Features

- Available in three models: 150mm, 300mm and 450mm
- Motorised carriage with 2 progressive speed ranges
- Light and compact with a small footprint
- Simultaneous display of diameter and centerline
- Measures internal and external diameter, centerline, height, thickness and depth
- Extremely low measuring force
- USB data output or RS232
- Supplied with setting master



SYLVAC HI_CAL DIGITAL MOTORISED HEIGHT GAUGE

Code No	Range (mm)	Range (inch)	Application Range (mm)	Application Range (inch)	Accuracy (mm)	Repeatability (µm)	Resolution (mm)	Height (mm)	Weight
30-830-0150	150	6	0-155	6	2.5 + L / 175	2	0.01 / 0.001	379	3.9kg
30-830-0300	300	12	0-320	12	2.5 + L / 175	2	0.01 / 0.001	529	4.6kg
30-830-0450	450	18	0-470	19	2.5 + L / 175	2	0.01 / 0.001	679	6.8kg

Code No	Description
30-930-2150	Full accessories set in wooden box - 13 probes and holders
30-930-2151	Basic accessories set in wooden box - 4 probes and holders

For more information visit www.machine-dro.co.uk



Trimos V3 and V4 Digital Height Gauges

The V3 and V4 vertical measuring instruments have been developed for the most difficult workshop environments. Manufactured in Switzerland, they guarantee a robust, precise and reliable product.

The display unit provides functions that are directly accessible and depicted with symbols that are easy to understand. This allows for easy and quick handling even by unqualified personnel. The large 2-line 'Black Mask' display offers an exceptional contrast in all lighting conditions, a unique characteristic on the market.

The V3 measuring column represents the entry level Trimos universal measuring column, benefiting from the very latest in product development. The V4 offers the same functions as the V3. In addition it is equipped with a second probe holder as well as with an air cushion for easy displacement on the measuring table. The programmable functions buttons on the handle allow quick access to the most used functions.



Swiss Precision



Option



Features

- Measuring range: 400mm and 700mm
- Extremely easy to use
- Electronically adjustable measuring force
- Autonomy: 40 h (lithium-ion batteries)
- Larger than 300 mm probes as standard
- Vast range of accessories
- All adjustments possible without tools
- RS232 and USB interfaces



TRIMOS V3 AND V4 DIGITAL HEIGHT GAUGES

Code No	20-V3-400	20-V3-700	20-V4-400	20-V4-700
Range (mm)	407	711	407	711
Range (inch)	16	28	16	28
Description	Measuring range with extension (mm/inch) - 508/20	Measuring range with extension (mm/inch) - 812/32	Measuring range with extension (mm/inch) - 719/28	Measuring range with extension (mm/inch) - 1023/40
Maximum Error (µm)	7	8	5	7
Repeatability (µm)	2 (Ø: 4)	2 (Ø: 4)	2 (Ø: 4)	2 (Ø: 4)
Frontal Squareness Deviation (µm)	10	15	10	15
Resolution	0.001mm / (0.00005inch)	0.001mm / (0.00005inch)	0.001mm / (0.00005inch)	0.001mm / (0.00005inch)
Force	Measuring Force - 0.75 ÷ 1.5	Measuring Force - 0.75 ÷ 1.5	Measuring Force - 0.75 ÷ 1.5	Measuring Force - 0.75 ÷ 1.5
Note	Without Air Cushion	Without Air Cushion	With Air Cushion	With Air Cushion

Trimos V5 and V6 Manual / Motorised Height Gauges

The vertical measuring instruments V5 and V6 are the descendants of the legendary V+ line; universally recognised for its ease of use and high quality.

Their clear display and user-friendly functions offer exceptional ease of use. But that's not all: the V5 and V6 are equipped with a revolutionary displacement hand-wheel offering its user the choice of displacement mode of the measuring carriage; either manual or motor-driven. Neither mode is compromised, which means that the user who prefers a manual instrument will not notice a difference from a classic manual instrument, and the same applies to the motor-driven displacement. This innovation avoids having to make a difficult choice during the purchasing process and can accommodate multiple users with the same instrument.

The design of the V5 with its side probe holders revives an old Trimos tradition: they enable measuring with long, robust probes guaranteeing excellent repeatability. The V6 is of the same calibre as the V5. It's equipped with a more precise measuring system and enables the use of an electronic perpendicular probe.



Features

- Measuring ranges: 400, 700 and 1100mm
- Extremely easy to use
- Electronically adjustable measuring force
- Manual or motor-driven displacement
- Larger than 300mm probes as standard
- Vast range of accessories
- All adjustments possible without tools
- RS232 et USB interfaces



TRIMOS V5 HEIGHT GAUGE

Code No	20-V5-400	20-V5-700	20-V5-1100
Range (mm)	407	711	1110
Range (inch)	16.0	28.0	43.7
Description	Measuring range with extension (mm/inch) - 719/28.3	Measuring range with extension (mm/inch) - 1023/40.3	Measuring range with extension (mm/inch) - 1422/56
Maximum Error (µm)	2.5 + L(mm)/300	2.5 + L(mm)/300	2.5 + L(mm)/300
Repeatability (µm)	2	2	2
Resolution (mm)	0.01 / 0.001	0.01 / 0.001	0.01 / 0.001
Resolution (inch)	0.0005 / 0.00005	0.0005 / 0.00005	0.0005 / 0.00005
Force	Measuring Force - 0.75 ÷ 1.5	Measuring force - 0.75 ÷ 1.5	Measuring force - 0.75 ÷ 1.5
Note	With Air Cushion	With Air Cushion	With Air Cushion

TRIMOS V6 HEIGHT GAUGE

Code No	20-V6-400	20-V6-700	20-V6-1100
Range (mm)	407	711	1110
Range (inch)	16.0	28	43.7
Description	Measuring range with extension (mm/inch) - 719/28.3	Measuring range with extension (mm/in) - 1023/40.3	Measuring range with extension (mm/inch) - 1422/56
Maximum Error (µm)	2 + L(mm)/400	2 + L(mm)/400	2 + L(mm)/400
Repeatability (µm)	1 (Ø: 2)	1 (Ø: 2)	1 (Ø: 2)
Frontal Squareness Deviation (µm)	5	8	11
Resolution	0.001mm/ (0.00005inch)	0.001mm/ (0.00005inch)	0.001mm / (0.00005inch)
Force	Measuring Force - 0.75 ÷ 1.5	Measuring Force - 0.75 ÷ 1.5	Measuring Force - 0.75 ÷ 1.5
Note	With Air Cushion	With Air Cushion	With Air Cushion

For more information visit www.machine-dro.co.uk



Trimos V7 and V9 Height Gauges

The V7 and V9 measuring instruments combine technological innovation and tradition. With their touch-display and lateral insert holders, they truly are universal instruments for the workshop. Functions, normally considered as complex, such as 2D, programming, statistics, become child's play, resulting in an unequalled ease of use and a substantial increase in productivity.

The pair of lateral insert holders come from generations of instruments that have forged the reputation of Trimos. Their great robustness and flexibility allow the use of very diverse probes up to 400 mm long with a breath-taking repeatability.

The V7 and V9 are equipped with the revolutionary displacement handwheel allowing the user to choose either the manual or motorised displacement mode.



Features

- Measuring ranges 400 to 1800 mm
- Simple and easy-to-use graphic interface
- Electronically adjustable measuring force
- Manual or motorised displacement
- 2d, programming, statistics
- Large range of accessories
- All possible adjustments without tools
- Interfaces RS232 and USB



TRIMOS V7 HEIGHT GAUGE

Code No	20-V7-400	20-V7-700	20-V7-1100	20-V7-1800
Description	Measuring range with extension (mm/inch) - 719/28.3	Measuring range with extension (mm/inch) - 1023/40.3	Measuring range with extension (mm/inch) - 1422/56	Measuring range with extension (mm/inch) - 2122/83.5
Range (mm)	407	711	1110	1810
Range (inch)	16.0	28	43.7	71.2
Force	Measuring force - 0.75 ÷ 1.5	Measuring force - 0.75 ÷ 1.5	Measuring force - 0.75 ÷ 1.5	Measuring force - 0.75 ÷ 1.5
Resolution (mm)	0.01 / 0.0001	0.01 / 0.0001	0.01 / 0.0001	0.01 / 0.0001
Resolution (inch)	0.0005 / 0.00005	0.0005 / 0.00005	0.0005 / 0.00005	0.0005 / 0.00005
Note	With Air Cushion	With Air Cushion	With Air Cushion	With Air Cushion

TRIMOS V9 HEIGHT GAUGE

Code No	20-V9-400	20-V9-700	20-V9-1100
Description	Measuring range with extension (mm/inch) - 724/28.5	Measuring range with extension (mm/inch) - 1028/40.4	Measuring range with extension (mm/inch) - 1427/56.1
Range (mm)	406	710	1109
Range (inch)	16	28	43.6
Force	Measuring force - 0.75 ÷ 1.5	Measuring force - 0.75 ÷ 1.5	Measuring force - 0.75 ÷ 1.5
Resolution (mm)	0.01 / 0.0001	0.01 / 0.0001	0.01 / 0.0001
Resolution (inch)	0.0005 / 0.00005	0.0005 / 0.00005	0.0005 / 0.00005
Note	With Air Cushion	With Air Cushion	With Air Cushion

Accessories Set (Micro) Compatible with Trimos Vectra Touch, Mestra Touch and V9

Set includes:

- V-50.4 Measuring insert M2,5 with ball contact
- TA-MI-118 Measuring insert M2.5 with 4 interchangeable pins
- V-50.2.1 Disc-shaped inserts M2.5, Ø7.7mm
- V-50.2.2 Disc-shaped insert M2.5, Ø11.5mm
- V-50.3 Corner insert M2.5
- TA-MI-115 Measuring insert M1.4 with ball Ø1mm, L=12.5mm
- TA-MI-116 Measuring insert M1.4 with ball Ø2mm, L=12.5mm
- TA-MI-117 Measuring insert M1.4 with ball Ø3mm, L=12.5mm
- TA-IH-117 Holder for measuring inserts M2.5, M1.6, M1.4
- V-50.6 Measuring insert holder M2.5
- V-50.8 Insert holder 90°, Ø4mm

- TA-IH-116 Measuring insert holder, Ø1 x 10mm, L=80mm
- V-50.9 Measuring insert with ruby ball Ø2mm, L=88mm
- V-50.12 Measuring insert Ø1mm with holder, L=86mm
- V-50.10 Knife-edge insert
- V-5 Reduction Ø 8 / 4mm
- TA-IH-104 Swivel holder Ø4 and Ø8mm
- V-50.13 Wrench for measuring inserts
- TA-TO-003 Allen key 1.5mm
- V-50.15 Allen key 2.5mm



20-TA-SE-102

Accessories Set (Micro) Compatible with Trimos V3, V4, V5, V6 and V7

Set includes:

- TA-MI-115, Measuring insert M1.4 with ball Ø1mm, L=12.5mm
- TA-MI-116, Measuring insert M1.4 with ball Ø2mm, L=12.5mm
- TA-MI-117, Measuring insert M1.4 with ball Ø3mm, L=12.5mm
- TA-MI-118, Measuring insert M2.5 with 4 interchangeable pins, L=16/26/36/46mm
- V-50.8, Insert holder 90°, Ø4mm
- TA-IH-116, Measuring insert holder, Ø1 x 10mm, L=80mm
- V-50.6, Measuring insert holder M2.5, L=80mm
- V-50.2.1, Disc-shaped inserts M2.5, Ø7.7mm
- V-50.2.2, Disc-shaped insert M2.5, Ø11.5mm
- V-50.10, Knife-edge insert L=88/16mm

- V-50.3, Corner insert M2.5 Ø11.5mm
- V-50.4, Measuring insert M2,5 with ball contact
- V-50.9, Measuring insert with ruby ball Ø2mm, L=88mm
- V-50.12, Measuring insert Ø1mm with holder, L=86mm
- TA-TO-003 Allen key 1.5mm
- V-50.15, Allen key 2.5mm
- V-50.13, Wrench for measuring inserts
- TA-IH-117, Holder for measuring inserts M2.5, M1.6, M1.4
- TA-IH-128, Measuring insert holder Ø4mm
- TA-IH-104, Swivel holder Ø4 and Ø8mm



20-TA-SE-105

Accessories Set (Macro) Compatible with Trimos V3, V4, V5, V6, V7 and V9

Set includes:

- TA-MI-115, Measuring insert M1.4 with ball Ø1mm, L=12.5mm
- TA-MI-116, Measuring insert M1.4 with ball Ø2mm, L=12.5mm
- TA-MI-117, Measuring insert M1.4 with ball Ø3mm, L=12.5mm
- V-50.5, Measuring insert holder M2.5, L=124mm
- -IH-115, Measuring insert holder M2.5, L=200mm
- V-50.2.3, Disc-shaped inserts M2.5, Ø18mm
- V-50.4, Measuring insert M2,5 with ball contact
- V-50.15, Allen key 2.5mm
- V-50.13, Wrench for measuring inserts

- TA-MI-110, Measuring insert with tungst. carb. ball Ø2mm, L=80mm
- TA-MI-105, Measuring insert with tungst. carb. ball Ø4mm, L=140mm
- TA-MI-107, Measuring insert with pin Ø1.5mm, L=78mm
- TVA4, Insert holder with pin Ø2 x 20mm
- TA-IH-101, Measuring insert holder M2.5, L=103mm
- TA-IH-105, Swivel holder Ø4 and Ø8mm, L=150mm
- TA-IH-109, Insert holder 90°, Ø4mm L=65mm



20-TA-SE-106

Accessories Set (Eco) Compatible with Trimos Vectra Touch, Mestra Touch, V3, V4, V5, V6, V7 and V9

Set includes:

- V-50.5, Measuring insert holder M2.5, L=124mm
- V-50.2.3, Disc-shaped inserts M2.5, Ø18mm
- V-50.4, Measuring insert M2,5 with ball contact
- V-50.15, Allen key 2.5mm

- TA-MI-110, Measuring insert with tungst. carb. ball Ø2mm, L=80mm
- TVA4, Insert holder with pin Ø2 x 20mm
- TA-IH-109, Insert holder 90°, Ø4mm L=65mm



20-TA-SE-107

COMPATIBILITY WITH TRIMOS' HEIGHT GAUGE MODELS

	VT	M/MT	V3	V4	V5	V6	V7	V9
Set TA-SE-102	X	X						X
Set TA-SE-105			X	X	X	X	X	X
Set TA-SE-106			X	X	X	X	X	X
Set TA-SE-107	X	X	X	X	X	X	X	X



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