

SPACE Tubo – Pipe Measuring System

The arms are certified with the Standard ISO 10360-2 or the new ISO10360-12, depending on the customer necessities. This to allow the Arm's verification and the annual calibration at the customer premises by the exclusive TOMELLERI procedures

Based on the SPACE Arm's design, it's a portable Articulated Arm ideal for quick and accurate inspections of pipes and any other part within its range. The perfect equipment for pipe inspections with laser fork and a dedicated software.

SPACE Tubo is available in several sizes from 1.8 up to 5 m diameter, in 6 or 7 axes configuration. The counter-balance system with a double spring also gives the machine characteristics of accuracy, lightweight and easy handling.

The Portable Arm unit can be placed on the top of the table, for a comfortable surface where to place the pipes to inspect, with a support or directly on the rigid laminate top surface. It is also compatible with our tripod.



		Measuring range (mm)	Volumetric Accuracy with Fork ^{1,2} (mm)	Touch probe point accuracy ² (mm)	Point repeatability ^{1,2} (mm)	Weight (kg)
<i>SPT6018</i>	SPACE 1800 Tubo	1800	0,056	0,025	0,020	7,9
<i>SPT6025</i>	SPACE 2500 Tubo	2500	0,063	0,036	0,028	8,4
<i>SPT6032</i>	SPACE 3200 Tubo	3200	0,072	0,045	0,035	8,8
<i>SPT6040</i>	SPACE 4000 Tubo	4000	0,099	0,060	0,045	9,5
<i>SPT6050</i>	SPACE 5000 Tubo	5000	0,122	0,090	0,060	11,5

1. Values are referred to a 50 mm fork 2. Error: 2 sigma (2σ)

The SPACE Tubo System includes also the TOMELLERI TUBO software designed for pipes measurement.

What you can measure by a laser fork:

- *Straight tubes*
- *Bent tubes (measuring the straight lengths)*
- *Bends (survey the bending radius)*
- *Consecutive bends*
- *Scaled tubes*
- *Secondary tubes welded*
- *RCV (variable radius bend)*
- *Possibility to change tube's diameter during measurements*

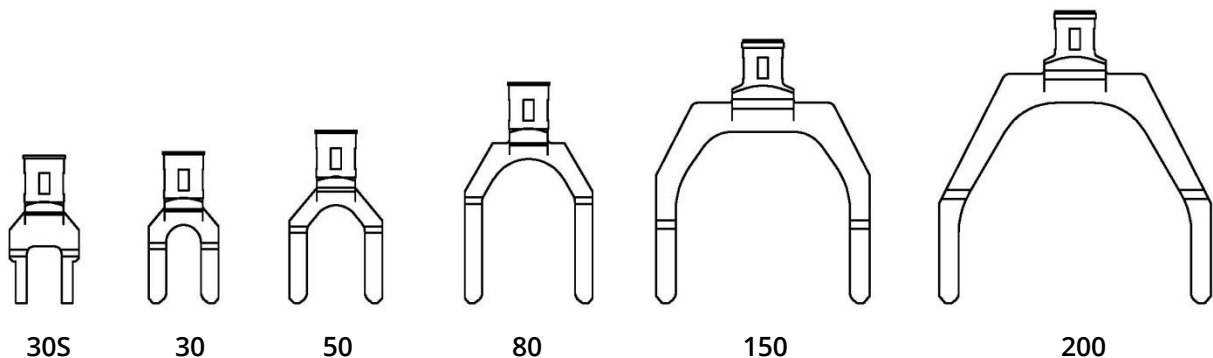


Comparison and correction allowed:

- *Comparison and correction (classic mode) linked to the CNC*
- *Spring-back correction (20 - 120)*
- *Possibility to obtain the data of the measured tube related to a master tube already in memory, for an external reference or drawing (manual and automatic procedure)*
- *Creation of material archive for the spring-back compensation to apply to the bending program.*

LASER FORK

5 sizes available (mm):
30s, 30, 50, 80, 150 and 200



ALL the SPACE arms products are MADE IN ITALY