

For easy and accurate measurement of inside diameters

SERIES 526 — for Extra Small Holes



526-101

* The dial indicator and the protection cover are optional.

SPECIFICATIONS

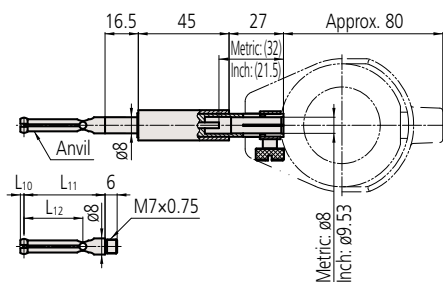
Metric

Order No.	Range	Content of set				Probing depth		
		Bore gage	Dial indicator	Dial protection cover	Anvil			
526-101	7-10mm	526-101	Not supplied	Not supplied	6 pcs.	32mm		
526-102	10-18mm	526-102			8 pcs.	62mm		
526-124	7-10mm	526-101			2109SB-10 (Graduation: 0.001mm)	21DZA000	6 pcs.	32mm
526-125	10-18mm	526-102					8 pcs.	62mm
526-126	7-10mm	526-101	2046SB (Graduation: 0.01mm)	21DZA000	6 pcs.	32mm		
526-127	10-18mm	526-102			8 pcs.	62mm		

Inch

Order No.	Range	Content of set				Probing depth
		Bore gage	Dial indicator	Dial protection cover	Anvil	
526-103	.3-.4"	526-103	Not supplied	Not supplied	6 pcs.	1.25"
526-104	.4-.7"	526-104			8 pcs.	2.42"
526-122	.3-.4"	526-103	2923SB-10 (Graduation: .0001")	21DZA000	6 pcs.	1.25"
526-123	.4-.7"	526-104			8 pcs.	2.42"
526-119	.3-.4"	526-103	2922SB (Graduation: .0005")	21DZA000	6 pcs.	1.25"
526-120	.4-.7"	526-104			8 pcs.	2.42"

DIMENSIONS



Unit: mm

STANDARD ACCESSORIES

Bore gage (Main body)	Anvil						Spanner
	Marked No.	Parts No.	Measuring range	L10	L11	L12	Parts No.
526-101 526-103	1	102469	7.0 - 7.5mm/.28 - .30"	1.8mm/.07"	40mm/1.57"	29.2mm/1.15"	102148
	2	102470	7.5 - 8.0mm/.30 - .32"				
	3	102471	8.0 - 8.5mm/.32 - .34"				
	4	102472	8.5 - 9.0mm/.34 - .36"				
	5	102473	9.0 - 9.5mm/.36 - .38"				
	6	102474	9.5 - 10.0mm/.38 - .40"				
526-102 526-104	1	102454	10 - 11mm/.40 - .44"	2.1mm/.08"	46mm/1.81"	38mm/1.50"	102148
	2	102455	11 - 12mm/.44 - .48"	2.7mm/.11"			
	3	102456	12 - 13mm/.48 - .52"				
	4	102457	13 - 14mm/.52 - .56"				
	5	102458	14 - 15mm/.56 - .60"				
	6	102459	15 - 16mm/.60 - .64"				
	7	102460	16 - 17mm/.64 - .68"				
	8	102461	17 - 18mm/.68 - .72"				

Diagram illustrating the geometry of a pin joint under load L . The load is applied vertically to the top of the pin. The pin is supported by two plates, each of thickness $1/2 \cdot L$. The contact area is labeled "Pin point" and "Anvil".

Accuracy

Metric models: 7-10mm, 4µm / 10-18mm, 6µm

Inch models: .3-.4", .00016" / .4-.7", .00024"

Repeatability

Metric models: 2 μ m

Inch models: .00008"

–: Dial indicator (See Chapter F)

21DZA000: Dial protection cover

-; Setting ring (See page C-47)

215-120-10: Stand for small holes

Recommended dial indicators (see Chapter F)

Metric models: **2046SB** (0.01mm)

2972TB (0.01mm - One-revolution type)

2109SB-10 (0.001mm)

2900SB-10 (0.001mm - One-revolution type)

Inch models: **2922SB** (.0005")

2977TB (.0005" - One-revolution type)

2923SB-10 (.0001")

2910SB-10 (.0001" - One-revolution type)

Recommended digimatic indicators (see Chapter F)

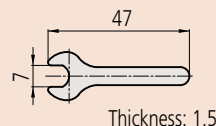
Metric models: **543-310B** (ID-C112GXB, 0.001mm)

Inch models: **543-312B** (ID-C112GEXB, 0.001mm/.00005")

* Indicators equipped with rubber bellows, such as waterproof types, cannot be used.

Spanner

No. 102148



Thickness: 1.5