

- Dimensions L4, L5, and L6 indicate the recommended mounting positions for the middle supports included with scale units with an effective range of 1000mm and more. (The position of the middle support is adjustable in the measuring length direction.)

Effective range (mm)	Middle support
1000 - 1500	(1 place)
1600 - 2200	BC (2 places)
2400 - 3000	ABC (3 places)

Dimensions of scale units

AT103		Effective range L ₀ (mm)	Maximum travel length L ₁ (mm)	Mounting hole pitch L ₂ (mm)	Overall length L ₃ (mm)	Middle support L ₄ (mm)	Middle support L ₅ (mm)	Middle support L ₆ (mm)	Signal cable length (m)
Order No.	Code								
539-111-30	AT103- 100	100	120	248	268				3
539-112-30	AT103- 150	150	170	298	318				
539-113-30	AT103- 200	200	220	348	368				
539-114-30	AT103- 250	250	270	398	418				
539-115-30	AT103- 300	300	330	458	478				
539-116-30	AT103- 350	350	380	508	528				
539-117-30	AT103- 400	400	430	558	578				
539-118-30	AT103- 450	450	480	608	628				
539-119-30	AT103- 500	500	540	668	688				
539-121-30	AT103- 600	600	650	778	798				
539-123-30	AT103- 700	700	760	888	908				
539-124-30	AT103- 750	750	810	938	958				
539-125-30	AT103- 800	800	860	988	1008				
539-126-30	AT103- 900	900	960	1088	1108				
539-127-30	AT103-1000	1000	1060	1188	1208	594			
539-128-30	AT103-1100	1100	1160	1288	1308	644			
539-129-30	AT103-1200	1200	1260	1388	1408	694			
539-130-30	AT103-1300	1300	1360	1488	1508	744			
539-131-30	AT103-1400	1400	1460	1488	1608	794			
539-132-30	AT103-1500	1500	1560	1688	1708	844			
539-133-30	AT103-1600	1600	1690	1818	1838		610		
539-134-30	AT103-1700	1700	1790	1918	1938		650		
539-135-30	AT103-1800	1800	1890	2018	2038		670		
539-136-30	AT103-2000	2000	2100	2228	2248		740		
539-137-30	AT103-2200	2200	2300	2428	2448		800		
539-138-30	AT103-2400	2400	2500	2628	2648	1314	1300	650	
539-139-30	AT103-2500	2500	2600	2728	2748	1364	1340	670	
539-140-30	AT103-2600	2600	2700	2828	2848	1414	1400	700	
539-141-30	AT103-2800	2800	2900	3028	3048	1514	1500	750	
539-142-30	AT103-3000	3000	3100	3228	3248	1614	1600	800	

Note 1: For effective ranges of 100 to 2000mm, we also have the high-accuracy AT103F JIS Class 0 (3+3L₀/1000) μm models available.

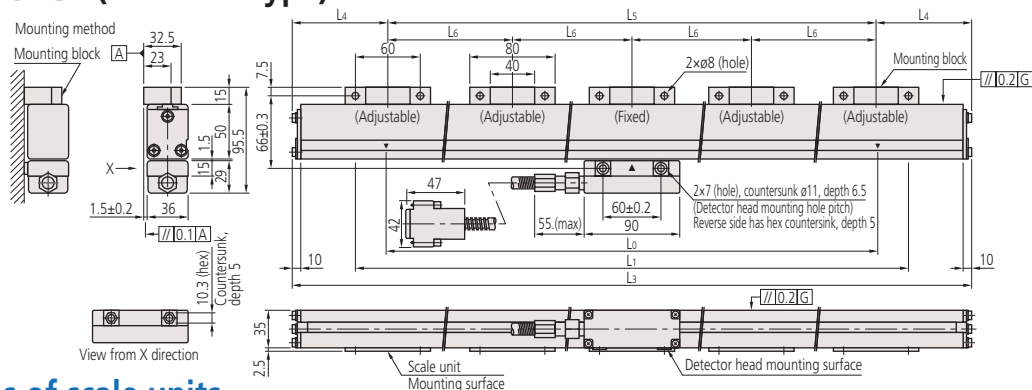
Note 2: The ultra-high-accuracy AT103S (2+2L₀/1000) μm models for effective ranges of 100 to 500mm may be custom-ordered on request.

Note 3: The accuracy does not include quantizing error; L₀ is the effective range (mm).

Mounting dimensions (Effective range: 3250 to 6000mm)

AT103 (Standard type)

Unit: mm



Dimensions of scale units

Order No.	Code	Effective range L ₀ (mm)	Maximum travel length L ₁ (mm)	Overall length L ₃ (mm)	Mounting block L ₄ (mm)	Mounting block L ₅ (mm)	Mounting block L ₆ (mm)	Signal cable length (m)
539-143-30	AT103-3250	3250	3350	3470	135	3200	800	10
539-144-30	AT103-3500	3500	3600	3720	160	3400	850	
539-145-30	AT103-3750	3750	3850	3970	125	3720	930	
539-146-30	AT103-4000	4000	4100	4220	110	4000	1000	
539-147-30	AT103-4250	4250	4350	4470	135	4200	1050	
539-148-30	AT103-4500	4500	4600	4720	160	4400	1100	
539-149-30	AT103-4750	4750	4850	4970	85	4800	800	15
539-150-30	AT103-5000	5000	5100	5220	120	4980	830	
539-151-30	AT103-5250	5250	5350	5470	125	5220	870	
539-152-30	AT103-5500	5500	5600	5720	130	5460	910	
539-153-30	AT103-5750	5750	5850	5970	135	5700	950	
539-154-30	AT103-6000	6000	6100	6220	110	6000	1000	

Note: Accuracy is (5+8L₀/1000) μm.