

# Band-MasterATS®

## Band Overview and Performance Matrix

Criteria	Standard	Slim Standard	Micro	Micro Slim	Nano	Micro-Max
Material	304 SS	304 SS	304 SS	304 SS	304 SS	304 SS
Part Numbers (flat)	601-005 (9") 601-040 (14") 601-049 (18")	601-570 (9") 601-572 (14")	601-024 (5") 601-060 (8") 601-064 (14")	601-600 (8") 601-602 (14")	601-500 (6") 601-504 (9") 601-508 (14")	601-700 (8") 601-702 (14")
Part Numbers (precoiled)	601-006 (9") 601-041 (14") 601-050 (18")	601-571 (9") 601-573 (14")	601-025 (5") 601-061 (8") 601-065 (14")	601-601 (8") 601-603 (14")	601-501 (6") 601-505 (9") 601-509 (14")	601-701 (8") 601-703 (14")
Lengths (inch)	9", 14" and 18"	9" and 14"	5", 8" and 14"	8" and 14"	6", 9" and 14"	8" and 14"
Fits Diameters (inch)	.30" to 2.5"	.30" to 1.8"	.15" to 1.8"	.15" to 1.9"	.08" to 1.8"	.15" to 1.8"
Width (inch)	.24"	.24"	.12"	.12"	.075"	.12"
Thickness (inch)	.02"	.01"	.015"	.01"	.01"	.015"
Weight before installation (grams)	14" is 9.06 g	14" is 4.46 g	8" is 1.76 g	8" is 1.16 g	9" is .84 g	8" is 1.80 g
Tooling Information						
Hand Tool Part Number	601-100	601-109	601-101	601-122	601-108	601-129
Pneumatic Tool Part Number	601-106	601-110	601-107	601-123	601-118	601-130
Recommended Tool Setting	150 ±5 lbs.	100 ± 3 lbs.	80 ±5 lbs.	82 ± 3 lbs.	50 ±3 lbs.	132 ± 3 lbs
Performance Data						
Termination Resistance (mΩ)	0.082	0.083	0.087	0.085	0.155	0.080
Termination Construction	Ni/Al backshell Size 25, Tin Copper Braid	Ni/Al backshell Size 25, Tin Copper Braid	Ni/Al backshell Size 15, Tin Copper Braid	Ni/Al backshell Size 15, Tin Copper Braid	Ni/Al backshell Size 16, Tin Copper Braid	Ni/Al backshell Size 15, Tin Copper Braid
Avg. Single Junction Resistance (mΩ)	0.42	0.532	0.382	0.235	0.613	.170
Cable Pull Out (pounds)	160 lbs.	150 lbs.	80 lbs.	80 lbs.	50 lbs.	160 lbs
Clamping Tension (pounds)	100 to 180 lbs.	50 to 100 lbs.	50 to 85 lbs.	80 to 86 lbs.	20 to 50 lbs.	100 to 180 lbs.
Associated Test Report (Available Upon Request)	Test Report GT-14-75	Test Report GT-14-75	Test Report NTS 978-7382	Test Report GT-20-258	Test Report NTS PR021798	Test Report GT-22-188
Mil-Spec (85049)	Yes	No	Yes	No	No	No
Random Vibration	46 grms at +175°C 8 hrs each axis, EIA-364-28E cond. V, letter K					
Thermal Shock	-65°C to +200°C 5 cycles					
Temperature Life	1,000 hrs at +200°C					