

TECHNICAL DATA SHEET - INTERACTIVE PDF

Terminals, ring

Nylon insulated

Sta-Kon®



Nylon insulated ring terminals for wire termination of copper conductors ranging from 26 AWG-10 kcmil

Certifications / Standards:



3-Part Specification: 26 05 83.11

Tools and Calculators

Features:

- Deep internal serrations maximize contact with wire to help ensure high pull-out values and low electrical resistance
- Long, chamfered barrel design helps eliminate wire hang-ups and maximizes crimp area
- Constructed of electrolytic copper with electro-tin plating for high conductivity
- Three-piece construction with metal sleeve provides insulation support and strain relief to help ensure protection of wire strands and optimum mechanical and electrical performance
- Nylon insulation is halogen-free and is designed to provide an excellent combination of chemical, impact, and abrasion resistance
- Constructed of electrolytic copper with electro-tin plating for high conductivity
- Complete wire and stud size identification on tongue
- Suitable for stranded copper for sizes #26 AWG - 10 AWG

Material / Finishes:

- Nylon 66
- Electrolytic copper with electro-tin plating
- Commercial bronze sleeve with electro-tin plating

Comforms to:

- CSA
 - Only for RZ part numbers
 - Not applicable for RAX part numbers
- Mil Spec
 - MS25036 (see [table](#) for listed part numbers)
- RoHS (Restriction of Hazardous Substance)
 - European Directive 2011/65 and Commission Delegated Directive 2015/863

Ratings:

Only applicable to RZ, RA, RB and RC part numbers

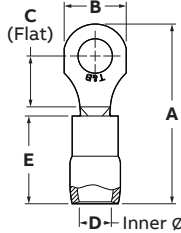
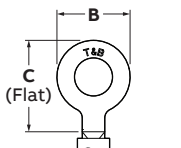
- 600V Max, 1000V in sign/fixtures
- 105°C

Table data:

- [Nylon insulated, ring](#)
- [Military Spec part numbers](#)

Terminals, ring Nylon insulated

Product selection and dimensions - inches

Drawing	Base part no.	Bulk part no.	Alt design	Color	Base Qty	Bulk Qty	Bolt hole size	A (±0.04)	B (±0.03)	C (±0.01)	D (±0.02)	E (±0.02)	T (±0.01)	Wire size range (AWG)	Strip Lgth	Crimping tools
 Fig. 1	RZ22-2	—	—	Yellow	100	—	#2	0.582	0.143	0.135	0.083	0.130	0.018	26-22	¼"	ERG4006 ¹
	RZ22-4	—	—		100	—	#4	0.662	0.206	0.198	0.083	0.130	0.018			
	RZ22-6	—	—		100	—	#6	0.662	0.206	0.190	0.083	0.130	0.018			
	RZ22-8	—	—		100	—	#8	0.763	0.253	0.229	0.083	0.130	0.018			
	RZ22-10	—	—		100	—	#10	0.763	0.253	0.229	0.083	0.130	0.018			
	RA18-6	RA853	—	Red	100	1,000	#6	0.853	0.255	0.250	0.142	0.194	0.030			
	N/A	RA333	Fig. 2		—	1,000	#6	0.721	0.228	0.142	0.142	0.199	0.030			
	N/A	RA833	—		—	1,000	#8	0.852	0.255	0.250	0.142	0.194	0.030			
	RA18-10	RA873	—		100	1,000	#10	0.882	0.310	0.250	0.142	0.194	0.030			
	RA18-516	RA723	possible		100	1,000	⅜"	1.087	0.469	0.395	0.142	0.194	0.030			
 Fig. 2 Alternate design Use same dimensions	RA18-38	RA733	possible	Blue	100	1,000	⅜"	1.169	0.534	0.455	0.142	0.194	0.030			
	RB14-6	RB853	—		100	1,000	#6	0.887	0.310	0.250	0.169	0.194	0.031			
	N/A	RB1333	Fig. 2		100	1,000	#6	0.745	0.258	0.144	0.169	0.197	0.032			
	RB14-10	RB873	—		100	1,000	#10	0.887	0.310	0.250	0.169	0.194	0.031			
	RB14-516	RB723	possible		100	1,000	⅜"	1.081	0.470	0.395	0.169	0.194	0.031			
	RB14-38	RB733	possible	Yellow	100	1,000	⅜"	1.185	0.534	0.455	0.169	0.194	0.031	12-10	⅝"	WT440 (4463 die) WT145C WT2000 ERG4001 DIE2001 ²
	RC10-6	RC333	—		50	500	#6	1.050	0.380	0.270	0.214	0.286	0.039			
	RC10-10	RC363	—		50	500	#10	1.050	0.380	0.270	0.214	0.286	0.039			
	RC10-516	RC703	possible		50	500	⅜"	1.300	0.535	0.455	0.214	0.286	0.039			
	RC10-38	RC733	possible		50	500	⅜"	1.330	0.593	0.455	0.214	0.286	0.039			

Note: Products must be installed in accordance with applicable national and local electrical codes.

¹ This tool is not UL Listed with this product.

² Die set compatible with BAT22-6NV2, PAIR22-6, or BAIR22-6

Military Spec part numbers

Product selection, Mil Spec and dimensions - inches

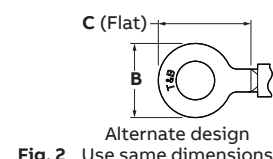
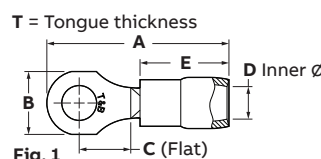
Base Part no.	Bulk Part no.	Alt. design	Base Qty	Bulk Qty	* Mil Spec part no.	Wire size range (AWG)	Strip length	Bolt hole size	A	B		C	D	E	T		Crimping tools
									Max	Min	Max	Min	Min	Min	Min	Max	
—	RAX23	—	—	1000	MS25036-143	26-24	7/32"	#2	0.740	0.133	0.210	0.133	0.084	0.126	0.022	0.028	WT145A ¹
—	RAX43	—	—	1000	MS25036-144			#4	0.755	0.193	0.260	0.171	0.084	0.126	0.022	0.028	
—	RAX63	—	—	1000	MS25036-145			#6	0.855	0.245	0.260	0.202	0.084	0.126	0.022	0.028	
—	RAX83	—	—	1000	MS25036-146			#8	0.855	0.245	0.330	0.202	0.084	0.126	0.022	0.028	
—	RAX103	—	—	1000	MS25036-147			#10	0.855	0.245	0.330	0.227	0.084	0.126	0.022	0.028	
RA18-4	RA323	Fig. 2	100	1000	MS25036-148	22-16	7/32"	#4	0.755	0.210	0.230	0.125	0.120	0.156	0.027	0.035	WT440 (4463 die) WT145C WT2000 ERG4001 DIE2001 ²
RA18-8	RA863	—	100	1000	MS25036-149			#8	0.930	0.305	0.320	0.202	0.120	0.156	0.027	0.035	
RA18-14	RA713	possible	100	1000	MS25036-150			¼"	1.090	0.450	0.473	0.265	0.120	0.156	0.027	0.035	
RA18-12	RA753	possible	100	1000	MS25036-151			½"	1.320	0.705	0.720	0.453	0.120	0.156	0.027	0.035	
RB14-4	RB1323	Fig. 2	100	1000	MS25036-152	18-14	7/32"	#4	0.774	0.240	0.260	0.125	0.153	0.156	0.027	0.035	
RB14-8	RB863	—	100	1000	MS25036-153			#8	0.955	0.302	0.317	0.202	0.153	0.156	0.027	0.035	
RB14-14	RB713	possible	100	1000	MS25036-154			¼"	1.085	0.450	0.473	0.265	0.153	0.156	0.029	0.035	
RB14-12	RB753	possible	100	1000	MS25036-155			½"	1.320	0.705	0.720	0.453	0.153	0.156	0.029	0.035	
RC10-8	RC863	—	50	500	MS25036-156	12-10	5/16"	#8	1.120	0.365	0.380	0.202	0.210	0.234	0.037	0.043	
RC10-14	RC713	—	50	500	MS25036-157			¼"	1.322	0.516	0.536	0.265	0.210	0.234	0.037	0.043	
RC10-12	RC753	possible	50	500	MS25036-158			½"	1.414	0.705	0.720	0.453	0.210	0.234	0.037	0.043	

Note: Products must be installed in accordance with applicable national and local electrical codes.

*Check Navair QPL for currently listed product and Class I crimp tools

¹ This tool is not UL Listed with this product.

² Die set compatible with BAT22-6NV2, PAIR22-6, or BAIR22-6



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