Overview

Sta-Kon® Ring, Fork and Locking Fork

- Complete line of installing tools engineered to match tool with terminal
- First to gain military approval for pressure connections … many styles available for military applications
- Sta-Kon® products exceed test specification requirements of military, UL and CSA
- Fluoropolymer and Nylon Terminals provided with extra metal sleeve to grip insulation
- Vinyl insulated and bare Sta-Kon® terminals feature brazed seam wire barrels which can be crimped at any place on the barrel circumference
- Ring and Fork terminals can be used with solid wire as follows:
  Non-Insulated: 22-8 gauge
  Insulated: 22-10 gauge

ERG4001

Sta-Kon® Disconnects

- Internal barrel serrations and long barrel provide for maximum tensile strength
- Complete line of installing tools, engineered to match tool with terminal
- Funnel entry insulators allow for easier inserting of wire into barrel
- Colour-coded for easy installation

The Shure-Stake® Tools are Matched to Terminals

The Shure-Stake® mechanism prevents the dies from releasing the terminal until the proper compression has been completed. With this method, an operator achieves a reliable crimp everytime. Thomas & Betts' tooling techniques correctly match tools, wire size and terminal to produce optimum mechanical and electrical performance.

Overview

Thomas & Betts is pleased to announce that Sta-Kon® RA, RB and RC insulated quick disconnect products are now UL Listed at 600 volts.

Sta-Kon® Technical Data

Terminals & Splices Insulation Rating	UL 94 Flammability	Voltage	Temperature
Nylon	V-2	600V	105ºC
Vinyl	V-0		
TEFZEL®	V-0		
Disconnects (non-insulated)		300V	

TEFZEL® is a registered trademark of DuPont.

The Sta-Kon® Terminals Numbering System

Distributor Package 100/50
Bulk "O.E.M." Packaged 1000/500

Common to Both Packages

- Letter **A** denotes 22-18 AWG wire range = Red
- Letter **B** denotes 16-14 AWG wire range = Blue
- Letter **C** denotes 26-22 AWG, 12-10 AWG wire range = Yellow
- Letter **R** preceding the above letters indicates the terminal is insulated
- No letter **R**… no insulation … no exception!

Distributor Packaged

Part numbers are very descriptive indicating insulation and type, stud size, tongue style and the largest maximum wire that can be put inside.

- If the letter **R precedes** the number, the part is nylon insulated – RA18-6
- If the letter **R follows** the number, the part is vinyl insulated – 14RB-8

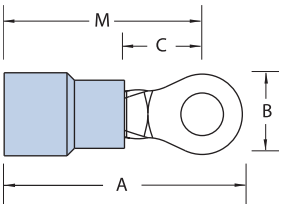
EXAMPLE: 10RC-8F
C – Indicates 12-10 AWG
10RC – Vinyl Insulated
8 – Indicates stud size
F – Means a fork tongue terminal
FL – Would indicate locking fork

EXAMPLE: 2RA18X
2 – Indicates a 2 way or butt style connector
X – Means expanded insulation

Ring Terminals

- Complete line of installing tools engineered to match tool with terminal
- First to gain military approval for pressure connections… many styles available for military applications
- Sta-Kon® products exceed test specification requirements of military, UL and CSA
- Include extra metal sleeve to grip insulation
- Vinyl insulated and bare Sta-Kon® terminals feature brazed seam wire barrels that can be crimped at any place on the barrel circumference
- Can be installed with crimping tools having a single indentor or double indentor (recommended for solid wire)
- Serrated barrel increases grip on wire
- Wire range identification on the tongue of each terminal
- Constructed of electrolytic copper for high conductivity

Nylon-Insulated Ring Terminals



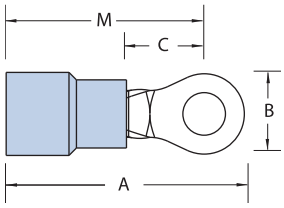
Cat. No.	Pkg. Qty.	Wire Range	Max. Ins. (in.)	Bolt Hole	Rec. Tool	Dimensions (in.)				Stock Thick. (in.)
						A	B	C	M	
RZ22-2**	100	26–22	0.083	#2	ERG4006	0.57	0.14	0.13	0.49	0.02
RZ22-4**	100	26–22	0.083	#4		0.65	0.21	0.20	0.54	
RZ22-6**	100	26–22	0.083	#6		0.65	0.21	0.20	0.54	
RZ22-8**	100	26–22	0.083	#8		0.75	0.25	0.23	0.62	
RZ22-10**	100	26–22	0.083	#10		0.75	0.25	0.23	0.62	
RAX23*	1,000	26–24	0.125	#2	WT145A	0.66	0.14	0.14	0.59	
RAX43*	1,000	26–24	0.125	#4		0.74	0.20	0.19	0.64	
RAX63*	1,000	26–24	0.125	#6		0.84	0.25	0.22	0.72	
RAX83*	1,000	26–24	0.125	#8		0.84	0.25	0.22	0.72	
RAX103*	1,000	26–24	0.125	#10		0.84	0.25	0.24	0.72	
RA18-4	100	22–16	0.136	#4	ERG4001	0.72	0.23	0.14	0.59	0.03
RA323	1,000	22–16	0.136	#4		0.72	0.23	0.14	0.59	
RA333	1,000	22–16	0.136	#6		0.72	0.23	0.14	0.59	
RA18-6	100	22–16	0.136	#6		0.86	0.26	0.25	0.71	

Cat. No.	Pkg. Qty.	Wire Range	Max. Ins. (in.)	Bolt Hole	Rec. Tool	Dimensions (in.)				Stock Thick. (in.)
						A	B	C	M	
RA853	1,000	22–16	0.136	#6	WT145A	0.86	0.26	0.25	0.71	.03
RA18-8	100			#8		0.89	0.26	0.25	0.71	
RA833	1,000			#8		0.86	0.26	0.25	0.71	
RA863	1,000			#8		0.89	0.26	0.25	0.71	
RA18-10	100			#10		0.89	0.31	0.25	0.71	
RA873	1,000			#10		0.89	0.31	0.25	0.71	
RA18-14	100			1/4 in.		1.10	0.46	0.31	0.84	
RA713	1,000			1/4 in.		1.10	0.46	0.31	0.84	
RA18-516	100			5/16 in.		1.10	0.46	0.31	0.84	
RA723	1,000			5/16 in.		1.10	0.46	0.31	0.84	
RA18-38	100			3/8 in.	ERG4001	1.20	0.53	0.35	0.87	.03
RA733	1,000			3/8 in.		1.20	0.53	0.35	0.87	
RA18-12	100			1/2 in.		1.30	0.72	0.50	0.92	
RA753	1,000			1/2 in.		1.30	0.72	0.50	0.92	

* Not listed by UL or CSA
** CSA Certified only
Most standard bulk catalogue numbers can be put on Mylar Tape for reel feed applications (i.e. 12050 tool and application). Please put the suffix M for Mylar tape i.e. RA2573M.

Ring Terminals

Nylon-Insulated Large Ring Terminals



Cat. No.	Pkg. Qty.	Wire Range	Max. Ins. (in.)	Bolt Hole	Rec. Tool	Dimensions (in.) A	B	C	M	Stock Thick. (in.)
Flex Class 41/24										
RD167	200	8	0.340	#8	ERG4007	1.48	0.42	0.28	1.29	0.04
RD8-10	25			#10		1.48	0.42	0.28	1.29	
RD367	200			#10		1.48	0.42	0.28	1.29	
RD8-14	25			1/4 in.		1.54	0.46	0.36	1.32	
RD717	200			1/4 in.		1.54	0.46	0.36	1.32	
RD8-516	25			5/16 in.		1.63	0.57	0.36	1.35	
RD727	200			5/16 in.		1.63	0.57	0.36	1.35	
RD8-38	25			3/8 in.		1.63	0.57	0.36	1.35	
RD737	200			3/8 in.		1.63	0.57	0.36	1.35	
RD8-12*	25		0.310	1/2 in.	TBM6S	1.79	0.82	0.55	1.39	
RD757*	200			1/2 in.		1.79	0.82	0.55	1.39	
RD10161	200	8AN	0.270	#8	ERG4007	1.40	0.41	0.24	1.20	
RD10361	200			#10		1.40	0.41	0.24	1.20	
RD10711	200			1/4 in.		1.45	0.45	0.27	1.22	
RD10721	200			5/16 in.		1.53	0.56	0.34	1.25	
RD10731	200			3/8 in.		1.53	0.56	0.34	1.25	
Flex Class 63/24										
RE6-10	20	6	0.420	#10	ERG4007	1.65	0.49	0.28	1.40	0.04
RE267	200			#10		1.65	0.49	0.28	1.40	
RE6-14	20			1/4 in.		1.65	0.49	0.28	1.40	
RE717	200			1/4 in.		1.65	0.49	0.28	1.40	
RE6-516	20			5/16 in.		1.76	0.61	0.34	1.47	
RE727	200			5/16 in.		1.76	0.61	0.34	1.47	
RE6-38	20			3/8 in.		1.76	0.61	0.34	1.47	
RE737	200			3/8 in.		1.76	0.61	0.34	1.47	
RE6-12*	20		0.395	1/2 in.	TBM6S	1.83	0.82	0.55	1.43	
RE757*	200			1/2 in.		1.83	0.82	0.55	1.43	
RE10261	200	6AN	0.315	#10	ERG4007	1.55	0.49	0.24	1.31	
RE10711	200			1/4 in.		1.55	0.49	0.27	1.31	
RE10721	200			5/16 in.		1.70	0.60	0.34	1.40	
RE10731	200			3/8 in.		1.70	0.60	0.34	1.40	
Flex Class 105/24										
RF4-10	15	4	0.510	#10	TBM6S	1.76	0.56	0.36	1.49	0.04
RF267	100			#10		1.76	0.56	0.36	1.49	
RF4-14	15			1/4 in.		1.76	0.56	0.36	1.49	
RF717	100			1/4 in.		1.76	0.56	0.36	1.49	
RF4-516	15			5/16 in.		1.84	0.62	0.35	1.53	
RF727	100			5/16 in.		1.84	0.62	0.35	1.53	
RF4-38	15			3/8 in.		1.84	0.62	0.35	1.53	
RF737	100			3/8 in.		1.84	0.62	0.35	1.53	
RF757*	100		0.500	1/2 in.		1.90	0.82	0.55	1.49	
RF10261	100	4AN	0.380	#10		1.78	0.55	0.30	1.51	
RF10711	100			1/4 in.		1.78	0.55	0.30	1.51	
RF10721	100			5/16 in.		1.80	0.62	0.34	1.49	
RF10731	100			3/8 in.		1.80	0.82	0.34	1.49	

*Brazed Seam
AN=Aircraft Wire

Cat. No.	Pkg. Qty.	Wire Range	Max. Ins. (in.)	Bolt Hole	Rec. Tool	Dimensions (in.) A	B	C	M	Stock Thick. (in.)
RG2-10	10	2	0.588	#10	TBM6S	2.15	0.69	0.40	1.83	0.05
RG267	50			#10		2.15	0.69	0.40	1.83	
RG2-14	10			1/4 in.		2.15	0.69	0.40	1.83	
RG717	50			1/4 in.		2.15	0.69	0.40	1.83	
RG2-516	10			5/16 in.		2.15	0.69	0.40	1.83	
RG727	50			5/16 in.		2.15	0.69	0.40	1.83	
RG2-38	10			3/8 in.		2.15	0.69	0.40	1.83	
RG737	50			3/8 in.		2.15	0.69	0.40	1.83	
RG2-12	10			1/2 in.		2.35	0.80	0.49	1.93	
RG757	50			1/2 in.		2.35	0.80	0.49	1.93	
RG9711	50	2AN	0.453	1/4 in.		2.07	0.69	0.40	1.74	
RG9731	50			3/8 in.		2.07	0.69	0.40	1.74	
RG9751	50			1/2 in.		2.26	0.80	0.49	1.84	
RH717	50	1/0	0.629	1/4 in.		2.14	0.77	0.43	1.81	
RH727	50			5/16 in.		2.14	0.77	0.43	1.81	
RH737	50			3/8 in.		2.14	0.77	0.43	1.81	
RH757	50			1/2 in.		2.34	0.77	0.54	1.90	
RH9711	50	1AN	0.500	1/41/4 in.		2.14	0.77	0.44	1.81	
RH9731	50			3/8 in.		2.14	0.77	0.44	1.81	
RH9751	50			1/2 in.		2.34	0.77	0.54	1.90	
RJ717	100	2/0	0.675	1/4 in.		2.34	0.83	0.46	1.96	0.06
RJ727	100			5/16 in.		2.34	0.83	0.46	1.96	
RJ737	100			3/8 in.		2.34	0.83	0.46	1.96	
RJ757	100			1/2 in.		2.48	0.89	0.54	2.03	
RJ9711	50	1/0AN	0.550	1/4 in.		2.35	0.83	0.46	1.97	
RJ9731	50			3/8 in.		2.35	0.83	0.46	1.97	
RJ9751	50			1/2 in.		2.49	0.89	0.55	2.04	
RK717	25	3/0	0.765	1/4 in.		2.60	0.93	0.54	2.21	
RK727	25			5/16 in.		2.60	0.93	0.54	2.21	
RK737	25			3/8 in.		2.60	0.93	0.54	2.21	
RK9731	100	2/0AN	0.610	3/8 in.		2.52	0.93	0.55	2.14	
RK9751	100			1/2 in.		2.60	0.93	0.55	2.15	
RL737	25	4/0	0.785	3/8 in.		2.83	1.04	0.57	2.35	0.07
RL757	25			1/2 in.		2.83	1.04	0.57	2.35	
RL9731	25	3/0AN	0.680	3/8 in.		2.83	1.04	0.57	2.36	
RL9751	25			1/2 in.		2.83	1.04	0.57	2.36	
RM737	20	250kcmil	0.868	3/8 in.		3.00	1.13	0.65	2.51	
RM747	20			7/16 in.		3.00	1.13	0.65	2.51	
RM757	20			1/2 in.		3.00	1.13	0.65	2.51	
RM9731	20	4/0AN	0.750	3/8 in.		3.00	1.13	0.66	2.51	
RM9751	20			1/2 in.		3.00	1.13	0.66	2.51	