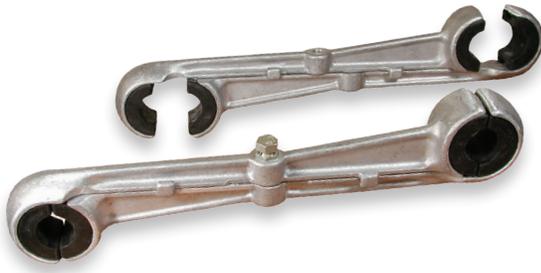


Speed-Grip® Spacers for Two Bundle Conductors—3300 Series



Spacers are necessary on horizontal bundle construction to prevent damage from wake-induced oscillation, ice unloading and short circuit clashing. AFL's Speed-Grip Spacer employs elastomer bushed clamps to firmly grip the conductor. It is specially designed to allow rapid installation without special tools.

What is wake-induced oscillation?

Wake-induced oscillation is a motion particular to bundled conductors experiencing moderate to high crosswinds. It takes various forms based on the bundle configuration and winds that occur. Damage can result due to conductor clashing or wear of attachment hardware, and thus it is important to protect against it. AFL has been researching oscillation to understand it and has developed improved accessories to control it.

Features

Fully Assembled

The Speed-Grip Spacer is ready for immediate installation. The bushings are seated, frames interlocked and the wedge-lock bolt in place.

Quick Installation

With no loose parts, whether from a helicopter, spacer cart or bucket, the Speed-Grip spacer takes seconds to install.

No Special Tools

With the wedge-lock breakaway bolt, no special tool or torque wrench is needed. Simply tighten the bolt until the head shears off, indicating proper torque has been achieved.

Customized Design

The Speed-Grip Spacer is designed with a standard 18 inch spacing. For applications requiring other spacing dimensions, contact the AFL Technical Support Team.

Spacers for T2 Conductors

AFL has developed a special clamp insert that allows the speed grip spacer to be firmly secured to a T2 conductor. See page 394 for an illustration of the spacer and the attachment. Please contact our engineering department for applications involving T2 Conductor.

High Temperature Applications

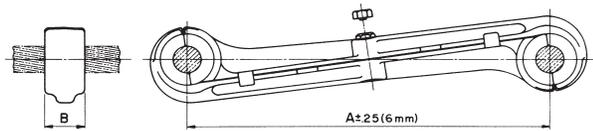
The Standard Bushings have a maximum temperature of 125°C. AFL has designed a special clamp insert to withstand the elevated temperatures of high temperature conductors. Two units are currently available for 200°C and 250°C. The 200°C unit is designated by adding the suffix "MT" to the part number. (i.e. 3326MT). The 250°C unit is designated by adding "HT" to the part number. (i.e. 3326HT). See page 337 for information on the HiTemp® Speed-Grip Spacers—3300HT Series. Please contact our engineering department for performance data on these two units.

Vibrec® Damper Recommendation Program

The Vibrec damper recommendation program assists in Speed-Grip Spacer requirements for transmission lines. For more information visit www.Vibrec.com or contact the AFL Technical Support Team at 1.800.866.7385.

Vibration Recommendation Form can be found on page 404.

Speed-Grip® Spacers for Two Bundle Conductors—3300 Series (cont.)



The Speed-Grip Spacer comes fully assembled with no loose parts. The wedge lock break-away bolt requires no special tools to tighten. Unless otherwise requested, standard spacing is 18 inches.

Ordering Information

Speed-Grip Spacers are ordered by catalog number corresponding to the conductor diameter.

Example:

For 795 Drake ACSS Conductor (1.108" diameter) operating at 250°C, the Speed-Grip Spacer catalog number would be:

3310 HT

Range Code BLANK = Standard (125°C max.)
MT = Medium Temperature (200°C max.)
HT = High Temperature (250°C max.)

Note:

Installation instructions for Speed-Grip Spacers are on page 402.

AFL NO.	CONDUCTOR DIAMETER RANGE		DIMENSIONS				BOLT DIAMETER	WEIGHT				MAXIMUM VOLTAGE
			A		B			ALUMINUM		TOTAL		
	IN	MM	IN	MM	IN	MM	IN	LBS	KG	LBS	KG	KV
3300	0.776 - 0.808	19.7 - 20.4	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.56	345
3301	0.809 - 0.842	20.5 - 21.3	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.56	345
3302	0.843 - 0.875	21.4 - 22.1	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.56	345
3303	0.876 - 0.908	22.2 - 23.0	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.56	345
3304	0.909 - 0.942	23.1 - 23.8	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.56	345
3305	0.943 - 0.975	23.9 - 24.7	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.56	345
3306	0.976 - 1.000	24.8 - 25.4	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3307	1.001 - 1.030	25.5 - 26.1	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3308	1.031 - 1.051	26.2 - 26.6	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3309	1.052 - 1.079	26.7 - 27.4	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3310	1.080 - 1.110	27.5 - 28.1	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3311	1.111 - 1.131	28.2 - 28.7	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3312	1.140 - 1.170	29.0 - 29.7	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3313	1.171 - 1.200	29.8 - 30.4	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3314	1.201 - 1.220	30.5 - 30.9	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3315	1.221 - 1.240	31.0 - 31.5	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3316	1.241 - 1.257	31.6 - 31.9	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3317	1.258 - 1.289	32.0 - 32.7	18.0	457	2.0	51	5/8	3.7	1.68	3.5	1.86	345
3318	1.290 - 1.320	32.8 - 33.5	18.0	457	2.0	51	5/8	3.7	1.68	3.5	1.86	345
3319	1.321 - 1.345	33.6 - 34.1	18.0	457	2.0	51	5/8	3.7	1.68	3.5	1.86	345
3321	1.380 - 1.405	35.1 - 35.6	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3322	1.406 - 1.431	35.7 - 36.3	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3323	1.432 - 1.460	36.4 - 37.0	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3324	1.461 - 1.490	37.1 - 37.8	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3325	1.491 - 1.520	37.9 - 38.6	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3326	1.521 - 1.550	38.7 - 39.3	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3327	1.551 - 1.580	39.4 - 40.1	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3328	1.581 - 1.611	40.2 - 40.9	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3330	1.612 - 1.640	40.7 - 41.6	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3331	1.641 - 1.680	41.7 - 42.6	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3332	1.681 - 1.720	42.7 - 43.6	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3333	1.721 - 1.750	43.7 - 44.4	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3334	1.751 - 1.790	44.5 - 45.4	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3335	1.791 - 1.830	45.5 - 46.4	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3336	1.831 - 1.860	46.5 - 47.2	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3337	1.861 - 1.890	47.3 - 48.0	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3338	1.891 - 1.920	48.1 - 48.7	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500