October 12, 2024

To: Our trusted utility and distribution partners

We are writing to inform you of an important update to our clamp product line that aims to streamline our offerings, improve quality, and lead times, as well as enhance the efficiency of your operations.

Effective immediately, we have modified the existing ADE2526N to increase the conductor range. The new ADE2526N clamp features an expanded conductor diameter range of 0.70" to 1.42", effectively covering all specifications of the original ADE26N clamp and replacing several legacy parts. The ADE26 and ADE140 clamps will be discontinued effective **April 30th, 2025**. 3d pictures of both the original and revised ADE2526N, along with ADE26N, are available for review in the appendix.

In addition to these changes, we removed notches from the ADE2526 clamps. ADE2526 now replaces a number of legacy clamps, improving the overall flexibility and efficiency of your operations. The table below summarizes the updated ranges and the parts being obsoleted by these new clamps:

Customers with existing orders of ADE26 and ADE140, will have their orders fulfilled and then transitioned to ADE2526. This consolidation applies to all variants of these clamps, ensuring that you continue to receive the high-quality, versatile products you have come to expect from us, now with improved utility and efficiency.

We understand that this update may require some adjustments on your part, and we are committed to assisting you through this transition. Our team is ready to address any queries and provide the necessary support to ensure a seamless integration of these new clamps into your operations. Thank you for your continued trust in our products. We look forward to serving your needs with these enhanced clamping solutions.

Tobi Johnson | **Transmission Hardware Product Manager**
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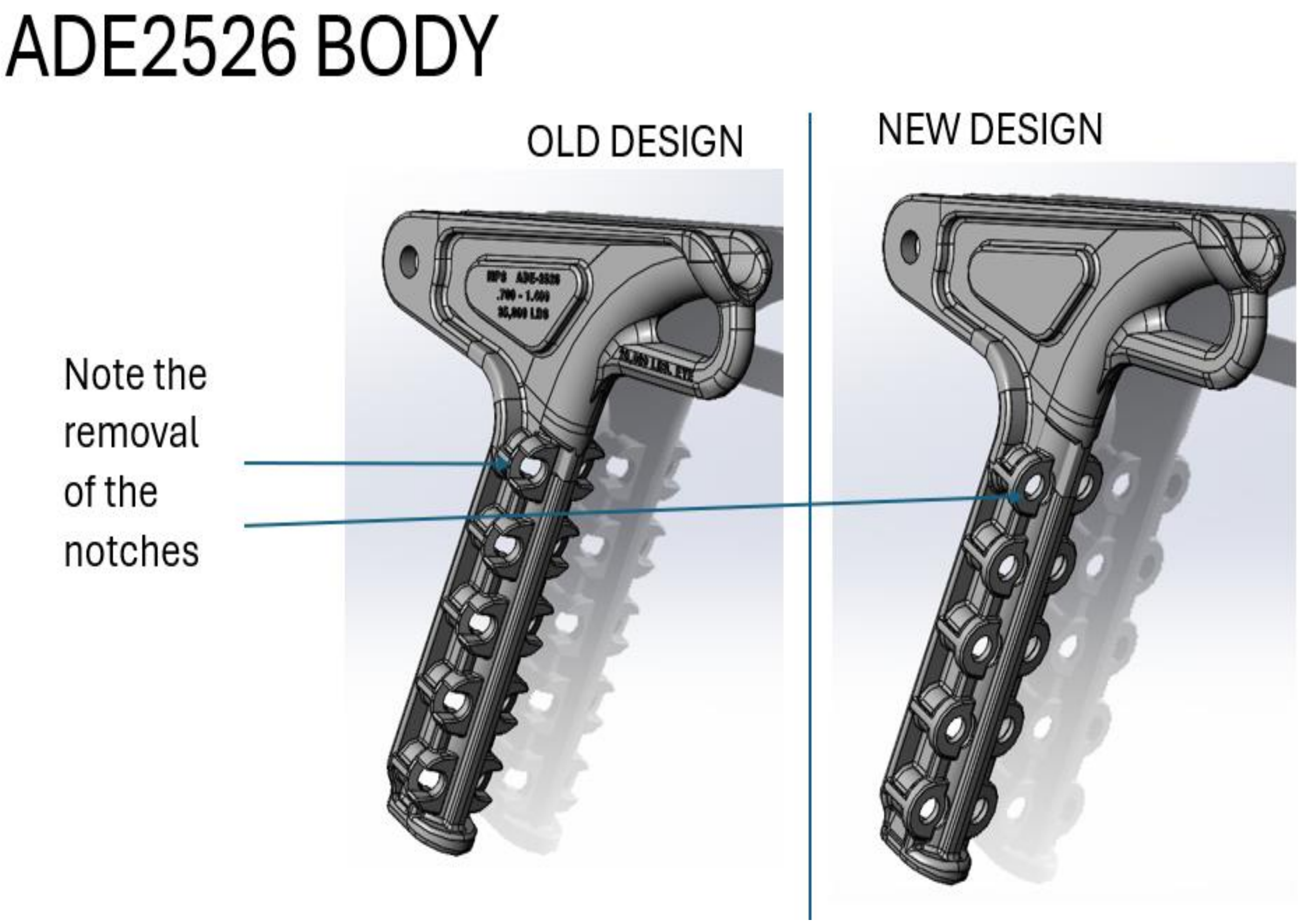
Appendix:

Clamp	Range	Strength	Replaces	Range	Strength
ADE2526N	0.70" - 1.42"	35,000 LBS.	ADE2526N	0.71" - 1.32"	30,000 LBS.
			ADE26N	0.75" - 1.38"	35,000 LBS.
			ADE140N	0.71" - 1.40"	35,000 LBS.

Table 1 – Summary of catalog series consolidation

Note: Consolidations applies to all Clevis and Socket Variations of the clamp i.e. ADE2526S, ADE2526RCEL and ADE2526RYCI

Figure 1



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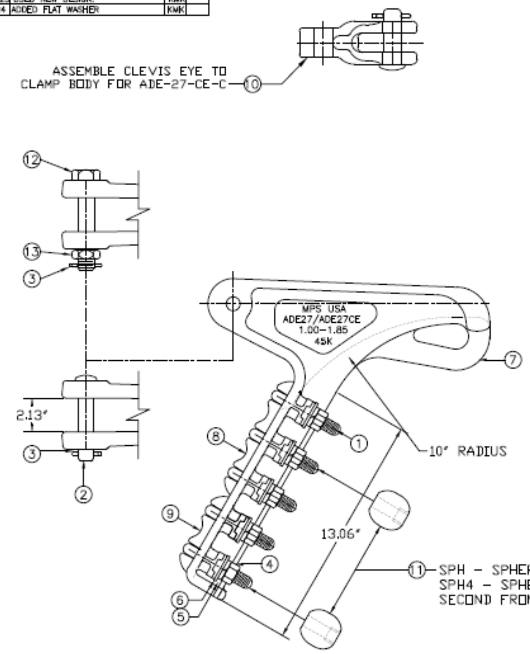
MacLean™ POWER SYSTEMS

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CKD
1	06/18/18	CORRECTED CLAMPING RANGE	BS	
2	11/15/18	UPDATED TO PD368, REV. 4	BS	
3	02/13/19	WAS 45K, 1.20 – 1.83	WCL	
4	05/15/23	USED NEW DESIGN.	KMK	
5	5/01/24	ADDED FLAT WASHER	KMK	

ITEM NO.	PART NO.	CAT. NO.	DESCRIPTION	QUANTITY A	B	C	D	
1	P56028	H–0202–05	5/8" U–BOLT	5	5	5	5	5
2	P56076	H–0301–05	3/4"ø CLEVIS PIN	1	1	1	1	–
3	P56110	H–0360–02	3/4" COTTR PN HMP	1	1	1	1	1
4	P56140	H–0400–05–W	5/8"–11 HEX NUT FIN	10	10	10	10	10
5	P56401	H–0520–05	5/8" LOCKWASHER	10	10	10	10	10
6	P56296	H–0500–05	5/8" FLAT WASHER	10	10	10	10	10
7	P83479	P–6695–01	ADE–27CE BODY	1	1	1	1	1
8	P83480	P–6696–01	ADE27CE LONG KEEPER	1	1	1	1	1
9	P83481	P–6696–02	ADE27CE SHORT KEEPER	1	1	1	1	1
10	F327223	SCE–56–1750	STRAIGHT CLEVIS EYE, 30K	–	1	–	–	–
11	P57126	M–0385	SPHERE NUT	–	–	2	4	4
12	P62633	H–0706–4750	3/4" HEX BOLT	–	–	–	–	1
13	P56158	H–0402–06	3/4" JAM NUT	–	–	–	–	1



ASSEMBLY NUMBER	REF. NO.
ADE–27CE–N	A
ADE–27CE–C	B
ADE–27CE–N–SPH	C
ADE–27CE–N–SPH4	D
ADE–27–N	A
ADE–27–C	B
ADE–27–N–SPH	C
ADE–27–N–SPH4	D
ADE–27CE–N–BC–SPH4	E

NOTES:

1. MATERIAL – BODY & KEEPER:
   ALUMINUM ALLOY A356–T6

   HARDWARE:
   STEEL, HOT DIP GALVANIZED PER ASTM–A153

   COTTER PIN:
   STAINLESS STEEL

2. ULTIMATE STRENGTH: 45,000 LBS.
   30K WITH CLEVIS FITTING.

3. CLAMPING RANGE – 1.00" TO 1.85"

ENG. REF.

MACLEAN POWER SYSTEMS
A Maclean-fogg Company

ALUMINUM STRAIN DEAD END CLAMP
ADE–27–CE–N, ADE–27–CE–C,
ADE–27–CE–N–SPH, ADE–27CE–N–SPH4

DATE: 01/03/2012 | SCALE: NONE | DWN. BY: CDR | CKD. BY: | APR. BY: | NO. BC8615–1 | R 5 | SH. 1 OF 1

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Test Report no.	**192**	**Date**	**7/25/24**
Part no.	**ADE-2526-N**	**Description**	**Quadrant clamp**
Rated strength	**35,000 lbs (body)** **26,000 lbs (sag eye)**	**Material**	**Aluminum**

Problem description

Analysis of new design for ADE-2526-N.

Mechanical Test (Eye-ears)

One ADE-2526-N clamp was attached to the vertical test machine through the sag eye and the ears, and then pulled to failure.

SAMPLE #	LOAD APPLIED (LBS)	ULTIMATE RATING (LBS)	FAILURE MODE
1	29,730	26,000	Sag eye
2	30,334	26,000	Sag eye
3	28,724	26,000	Sag eye

Mechanical Test (Body)

One ADE-2526-N clamp was attached to the vertical test machine through the ears and with a length of steel testing conductor, and then pulled to failure.

SAMPLE #	LOAD APPLIED (LBS)	ULTIMATE RATING (LBS)	FAILURE MODE
1	52,279	35,000	Both ears
2	46,642	35,000	Single ear
3	48,253	35,000	Single ear

Mechanical Test (Torque)

One ADE-2526-N clamp was attached to a length of Drake ACSR conductor and then tightened down with a torque wrench beyond normal rating.

SAMPLE #	LOAD APPLIED (FT-LBS)	ULTIMATE RATING (FT-LBS)	FAILURE MODE
1	90	70	None, test stopped
2	90	70	None, test stopped
3	90	70	None, test stopped
4	90	70	None, test stopped
5	90	70	None, test stopped

Eye-Ears Test Setup

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Body Test Setup

ALL STATEMENTS AND DATA IN THIS TEST REPORT ARE CERTIFIED TO BE A TRUE AND ACCURATE RECORD OF TESTING.

Testing Conducted by:	Date:	Reviewed by:
David Brehmer, Lab Technician	7/25/24	Tobi Johnson

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