



ACE™ - Advanced Cutting Explosive

ACE™ is a Low Hazard Flexible Linear Shaped Charge (LH FLSC) used for:

- Breaching
- EOD
- Demolition

KEY FEATURES:

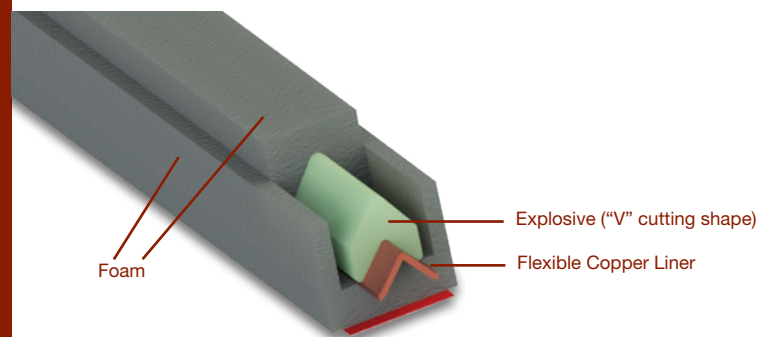
- Explosive cutting shape
- Built-in foam stand-off
- Adhesive back
- In use with US and foreign militaries
- Flexible
- Low fragmentation
- Designed for lower NEW
- Manufactured & Qualified to MIL-PRF-46676 & OES-DTL-0006 standards
- Easy attachment for minimized time on target

APPLICATION:

- Door & wall breaching
- Demolition
- EOD
- Steel cutting (including I-Beams)
- Chain & cable cutting
- Wood cutting

PROPERTIES:

- Explosive composition minimizes accidental detonation by shock
- Built-in water displacing stand-off
- Suitable for underwater use
- No harmful fragmentation
- Lead free
- Easy to cut with a sharp knife
- 20 ft (6 m) length charges
- Compliant with Montreal Protocol
- Steel severance range from 0.20 inch (5 mm) to over 1.35 inch (34.3 mm)



MSDS No:
MSDSD10972/1

EX-9306012
Charges, Shaped, Flexible, Linear, UN0288
1.1D

ACE™ - ADVANCED CUTTING EXPLOSIVE

PART NUMBER	CORD LOAD (NOMINAL)		CHARGE DIMENSIONS W x H		STEEL PLATE PENETRATION				STEEL PLATE SEVERANCE	
	grain/ft	gram/m	in	mm	Minimum (in)	Minimum (mm)	Nominal (in)	Nominal (mm)	Nominal (in)	Nominal (mm)
ACE 300	300	63	0.78 x 0.68	19.8 x 17.2	0.13	3.2	0.16	4.1	0.20	5.1
ACE 450	450	100	0.90 x 0.82	22.8 x 20.8	0.18	4.6	0.22	5.6	0.28	7.1
ACE 600	600	125	1.01 x 0.96	26.6 x 24.3	0.23	5.7	0.27	6.9	0.36	9.1
ACE 1200	1200	250	1.20 x 1.34	30.4 x 34	0.34	8.6	0.44	11.2	0.50	13.7
ACE 2400	2400	500	1.67 x 1.69	42.4 x 42.9	0.53	13.5	0.67	17.0	0.81	20.6
ACE 3600	3600	765	1.89 x 1.97	48 x 50	0.71	18.0	0.90	22.9	1.10	27.9
ACE 5400	5400	1150	2.16 x 2.35	54.8 x 59.6	0.94	23.7	1.11	28.2	1.35	34.3

Standard charge length (nominal) is 20 feet (6.1 meters) for all available parts.

PACKAGING OPTIONS:

Two shipping options are available.

- Commercial Pack - fiberboard box or drum
- Military Pack - metal ammunition drum



Commercial Pack



Military Pack

ENSIGN-BICKFORD AEROSPACE & DEFENSE COMPANY
640 HOPMEADOW STREET, P.O. BOX 429, SIMSBURY, CT 06070, USA www.EBAD.com

ACE™ is a trademark of EBAD.

Attention: The information and recommendations described in this brochure cannot possibly cover every application of the products or variation of conditions under which the products are used. The recommendations herein are based on the manufacturer's experience, research and testing. They are believed to be accurate, but no warranties are made, express or implied. In addition, the specifications contained herein are all nominal which represent our current production. The products described may be subject to change. Please feel free to contact Ensign-Bickford Aerospace & Defense Company for verification. No Warranties or Liabilities: THE PRODUCTS DESCRIBED HEREIN are sold "AS IS" and without any warranty or guaranty, express, or implied, arising by law or otherwise including without limitation any warranty of merchantability or fitness for a particular purpose. Buyer and user agree further to release and discharge seller from any and all liabilities whatsoever arising out of the purchase or use of any product described herein whether or not such liability is occasioned by seller's negligence or based upon strict products liability or upon principles of indemnity or contribution. Content©2020 Ensign-Bickford Aerospace & Defense Company, Simsbury, CT 06070, U.S.A.