



**DONOVAN COMMERCIAL INDUSTRIES**  
**-SABER-**  
**ADVANCED CUTTING CHARGES**

**SABER** is an easy-to-use explosive cutting system with a flexible shaped charge liner and optimized standoff. The improved **SABER** is the highest level of Advanced Cutting Charge offered by DONOVAN COMMERCIAL INDUSTRIES. The relative shock insensitivity of the explosive minimizes accidental or inadvertent detonation. The design meets MIL-PRF-46676 and OES-DTL-0006 standards for use by United States Military and International Forces.

**Charges, Shaped, Flexible, Linear, UN0288 1.1D**  
**EX-2008070004**

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

PART NUMBER	CORD LOAD		CHARGE DIMENSIONS WxH		MASS PER LENGTH		COLD ROLLED MILD STEEL AISI 1018 STEEL PLATE PENETRATION				COLD ROLLED MILD STEEL AISI 1018 STEEL PLATE SEVERANCE	
	gr/f	gr/m	in	mm	lb/ft	kg/m	Typical (in)	Typical (mm)	DCI Req. (in)	DCI Req. (mm)	Typical (in)	Typical (mm)
SABER 300	300	63	0.78 x 0.68	19.8x17.2	0.07	0.11	0.19	4.8	0.15	3.8	0.23	5.8
SABER 450	450	100	0.90 x 0.82	22.8 x 20.8	0.12	0.18	0.25	6.3	0.2	5.0	0.30	7.6
SABER 600	600	125	1.01 x 0.96	26.6 x 24.3	0.15	0.22	0.29	7.3	0.225	5.7	0.38	9.7
SABER 1200	1200	250	1.20 x 1.34	30.4 x 34	0.3	0.45	0.48	12.1	0.45	11.4	0.51	13.0
SABER 2400	2400	500	1.67 x 1.69	42.4 x 42.9	0.6	0.89	0.70	17.8	0.65	16.5	.82	20.9
SABER 3600	3600	765	1.89 x 1.97	48 x 50	1.06	1.58	0.91	23.1	0.75	19.0	1.12	28.5
SABER 5400	5400	1150	2.16 x 2.35	54.8 x 59.6	1.50	2.23	1.25	32.0	1.00	25.4	2.0	50.8

**KEY FEATURES:**

- Optimized explosive geometry
- Advanced liner geometry and composition
- Optimized built-in foam stand-off
- Improved adhesive system
- Superior penetration and severance performance
- Increased multi-axis flexibility
- Low fragmentation hazard
- Built-in water displacing stand-off
- Consistent penetration/severance
- Suitable for underwater use
- No harmful sheath fragmentation
- Lead free
- Easy to cut with a sharp knife
- Compliant with Montreal Protocol



**SABER** fulfills a wide variety of uses in military and demolition applications, including specialized demolition and breaching operations where precise cutting is required. With its variety of coreloads and ability to sever from 0.125 inches (3.2 mm) to over 2 inches (38 mm) of steel, **SABER** can remove or neutralize most obstacles encountered during combat operations. Due to its flexibility and self-adhesion, **SABER** is easy to apply, greatly assisting the speed of attachment to the target and minimizing personnel exposure time.



LEFT: 1.625" 50KSI steel complete penetration

RIGHT: Legacy SABER vs improved SABER

