

COOLING TIMES FOR HOT KNIFE BLADES AND HOT WIRE

The following “Cooling Time” guidelines are based on normal use conditions and are approximate times. The times reflect the amount of time, **in seconds**, required for the blade or wire to cool down from the maximum operating temperature of 932° to either 122°F or 95°F. Environmental factors could cause these times to vary.

Always exercise caution when working with Hot Knives and Hot Wire tools. Wear appropriate personal protective gear and follow all instructions provided in the operations manual. Allow sufficient time for blades and wires to cool before touching or placing them near flammable materials.

Model	Description	Under normal use, cooling time from 932°F to 95°F /Second	Under normal use, cooling time from 932°F to 122°F /Second
Hot Knife Blades			
EBLADE04	4" Hot Knife Blade	330	150
EBLADE06	6" Hot Knife Blade	380	230
EBLADE08	8" Hot Knife Blade	400	250
EBLADE10	10" Hot Knife Blade	450	250
EFLAT12	12" Bendable Flat Hot Knife Blade	350	200
EROUND12	12" Bendable Round Hot Knife Blade	180	100
EGB34	3/4" (20mm) Pipe Grooving Blade	150	90
EUGROOVE02	1" (27mm) Pipe Grooving Blade	150	90
EGB13	1.3" (34mm) Pipe Grooving Blade	150	90
ESQGROOVE01	0.5" x 0.5" Square Foam Grooving Blade	210	110
ESQGROOVE02	0.75" x 0.5" Square Foam Grooving Blade	180	120
ESQGROOVE03	0.75" x 0.75" Square Foam Grooving Blade	200	130
ESQGROOVE04	1" x 0.5" Square Foam Grooving Blade	180	120
ESQGROOVE05	1" x 0.75" Square Foam Grooving Blade	210	140
ESQGROOVE06	1" x 1" Square Foam Grooving Blade	230	150
ESQGROOVE07	1.5" x 0.5" Square Foam Grooving Blade	210	140
ESQGROOVE08	1.5" x 0.75" Square Foam Grooving Blade	230	150
ESQGROOVE09	1.5" x 1" Square Foam Grooving Blade	250	170
ESQGROOVE10	2" x 0.75" Square Foam Grooving Blade	250	170
ESQGROOVE11	2" x 1" Square Foam Grooving Blade	280	180
ESQGROOVE12	3" x 1.5" Square Foam Grooving Blade	350	240
EVEEGROOVE01	0.5" x 0.5" V-Shaped Foam Grooving Blade	160	100
EVEEGROOVE02	0.75" x 0.75" V-Shaped Foam Grooving Blade	150	100
EVEEGROOVE03	0.75" x 0.375" V-Shaped Foam Grooving Blade	150	100
EVEEGROOVE04	1" x 0.5" V-Shaped Foam Grooving Blade	170	110
EVEEGROOVE05	1" x 0.75" V-Shaped Foam Grooving Blade	160	110
EVEEGROOVE06	1" x 1" V-Shaped Foam Grooving Blade	170	110
EVEEGROOVE07	1.5" x 0.75" V-Shaped Foam Grooving Blade	180	120
EVEEGROOVE08	2" x 1" V-Shaped Foam Grooving Blade	200	140
EANGGROOVE01	1" x 0.5" x 0.5" Angled Foam Grooving Blade	160	110
EANGGROOVE02	1" x 0.75" x 0.25" Angled Foam Grooving Blade	180	120
EANGGROOVE03	1.5" x 0.5" x 1" Angled Foam Grooving Blade	190	125
EANGGROOVE04	1.5" x 0.75" x 0.75" Angled Foam Grooving Blade	200	130
EANGGROOVE05	2" x 0.5" x 1.5" Angled Foam Grooving Blade	210	200
EANGGROOVE06	2" x 1" x 1" Angled Foam Grooving Blade	240	160
EANGGROOVE07	2" x 0.75" x 1.25" Angled Foam Grooving Blade	220	150
EANGGROOVE08	3" x 1" x 2" Angled Foam Grooving Blade	280	190
EBEVGROOVE01	1" x 0.5" x 0.75" Beveled Foam Grooving Blade	160	110
EBEVGROOVE02	1" x 0.75" x 0.5" Beveled Foam Grooving Blade	185	125
EBEVGROOVE03	1.5" x 1" x 0.875" Beveled Foam Grooving Blade	230	150
EBEVGROOVE04	1.5" x 0.75" x 1" Beveled Foam Grooving Blade	210	140
EBEVGROOVE05	2" x 0.75" x 1.5" Beveled Foam Grooving Blade	230	150
EBEVGROOVE06	2" x 1" x 1.375" Beveled Foam Grooving Blade	230	150
Hot Wire			
EHW1060	1500mm Hot Wire (Φ0.55mm) for EHWTABLE60	50	30
EHW-SKIN	800mm Hot Wire (Φ0.55mm) for EHWSKIN18	50	30
EHW106	Hot Wire for EHWTTOP6	20	10
EHW100	1520mm Hot Wire (Φ0.55mm) for Portable Hot Wire Foam Cutter EHWJS100 & EHWJS18x2	50	30
	1520mm Hot Wire (Φ0.55mm) for Hot Wire Bow Cutter EHWBOW120 & EHWBOW36	50	30