

# THERMOFORMING GUIDELINE



## OPTIONAL USEFULL TOOLS



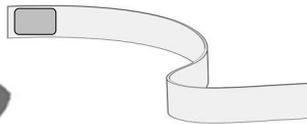
OVEN



HEAT GUN



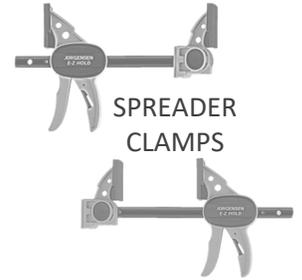
BLOWTORCH



VELCRO STRAPS

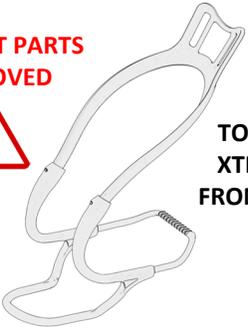


SPACER/WOOD BLOCKS



SPREADER CLAMPS

	<p>IN THE OVEN</p> <p>Maximum 100°C (212°F) 20 minutes</p>	<p>HEAT GUN</p> <p>Minimum 120°C (250°F)</p>	<p>BLOWTORCH</p>
<p>201000-U00-L 201000-U00-M 201000-U00-S</p>	<p>✓ PART or TOTAL AFO</p>	<p>✗</p>	<p>✗</p>
<p>202000-S00-M 202000-S00-S</p>	<p>✓ PART or TOTAL AFO</p>	<p>✗</p>	<p>✗</p>
<p>Y00-L Y00-M Y00-S</p>	<p>✓ PART or TOTAL AFO</p>	<p>✓ HEAT LOCALLY</p>	<p>✓ HEAT LOCALLY</p>
<p>FR0-L FR0-M FR0-S</p>	<p>✓ PART or TOTAL AFO</p>	<p>✓ HEAT LOCALLY</p>	<p>✓ HEAT LOCALLY</p>

	<b>OVEN</b>  Maximum <b>100°C</b> (212°F)  20 minutes	<b>HEAT GUN</b>  Minimum <b>120°C</b> (250°F)	<b>BLOWTORCH</b> 
201000-C10-L 201000-C10-M 201000-C10-S 	 PART or TOTAL AFO	 HEAT LOCALLY	 HEAT LOCALLY
200000-L00-ML 200000-L00-S 		 HEAT LOCALLY	 HEAT LOCALLY
<b>ALL SOFT PARTS REMOVED</b>   <b>TOTAL XTERN CLASSIC+ SUMMIT</b>			
<b>ALL SOFT PARTS REMOVED</b>   <b>TOTAL XTERN FRONTIER</b>			

## Material heating preparation

HEATING PREPARATION OF MATERIAL FOR THERMO-FORMING CAN BE DONE BY PLACING THE PARTS/AFO IN AN OVEN OR BY HEATING LOCALLY AREA WITH HEAT GUN OR BLOWTORCH. (REFER TO TABLE ABOVE BEFORE CHOOSING HEATING METHOD)

### IF A HEAT GUN OR BLOWTORCH IS USE:

WAVE THE HEAT GUN/BLOWTORCH QUICKLY AND NEVER HEAT THE SAME SPOT MORE THAN A FRACTION OF SECOND. THE PLASTIC IS READY WHEN YOU FEEL IT BENDS MORE EASILY. (REFER TO TABLE ABOVE TO SEE IF HEAT GUN/BLOWTORCH IS SUITABLE AS HEATING METHOD)

### IF AN OVEN IS USE AS HEATING PREPARATION:

PRE-HEAT THE OVEN AT MAXIMUM 100°C (212°F). PLACE THE PARTS/AFO IN THE OVEN FOR ABOUT 20 MINUTES. THE PLASTIC IS READY WHEN YOU FEEL IT BENDS MORE EASILY. **NEVER EXCEED TEMPERATURE OF MAXIMUM 100°C**

ALWAYS USE GLOVES AND ALL OTHER PROTECTION REQUIRED BY YOUR HEALTH & SAFETY WORK POLICY.

## General reforming methods

APPLY FORCES ON XTERN PARTS/AFO USING CONVENTIONAL ORTHOTICS THERMOFORMING METHODS.

HOLD THE PLASTIC AT A LOT MORE AMPLIFIED POSITION THAN THE FINAL DESIRED POSITION. PLASTIC WILL RETURN CLOSE TO ITS INITIAL POSITION WHEN RELEASED AT AMBIENT TEMPERATURE.

YOU CAN USE YOUR HANDS, VELCRO STRAPS, WOOD BLOCK, SPREADER/REVERSE CLAMPS OR ANY OBJECTS TO HELP YOU KEEP THE BRACE IN CORRECTED POSITION/SHAPE DURING COOLING TIME.

BEFORE RELEASING THE FORCE, COOL THE PLASTIC 5-10 MINUTES UNDER WATER OR 20 MINUTES AT AMBIENT AIR TEMPERATURE. (UNDER RUNNING WATER OR IMMERGE IN A SINK OR WATER BUCKET

BE SURE THAT PLASTIC IS COOL TO TOUCH PRIOR TO ANY PATIENT APPLICATION.



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