



# CURVPEEL

## The ergonomic curved shim



CURVPEEL<sup>®</sup> (1) is an exclusive process, designed (2) by Yann GASTEL.

It provides a top-quality solution for laminated shims with curved shapes, where the required curve radius is incorporated into the shim during production.

### Benefits:

#### OPTIMAL ERGONOMICS

The process is applied to shims intended for use on cylindrical couplings: these shims will then create a perfect fit for the curved configuration sets that are specific to certain assemblies. Cowlings, wind-turbine housings, fuselages, body-work, transmission shaft guides, etc. are examples of this use.

With the CURVPEEL<sup>®</sup> process, many different types of parts can be positioned and adjusted on curved bodies without any extra fitting being required. Probes, antennae, rear-view mirrors, motors, stabilizers, pump bodies, reduction gear bodies, etc. are all possible examples.

#### VERY HIGH PRECISION

With the CURVPEEL<sup>®</sup> manufacturing process, highly accurate curved shims can be obtained with one or more constant radii.

#### A GAIN IN TIME AND A FINANCIAL BENEFIT

The shim no longer needs to be shaped before being assembled: It is delivered ready-to-use. This advantage is all the more appreciable where thick metallic laminated shims are required, as they cannot be curved manually or even with special tooling just before they are assembled. Furthermore, the CURVPEEL<sup>®</sup> process avoids any risk of delaminating and/or breaking laminations that can be found when shims are shaped at the last moment.

This results in avoiding running the risk of considerable losses of time and a reject ratio that may often prove to be prohibitive.

(1) CURVPEEL<sup>®</sup> - Registered trademark,

(2) France: Patent No FR 1 355 565 B1, Europe: Patent pending, Canada: Patent pending, US: Patent pending

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## LAMECO'S SPECIALTY: IMPECCABLE QUALITY

Our laminated shims are composed of foils glued across the entire face and not just at the edge.

In addition, due to our exclusive production processes they are perfectly parallel and totally free of any burrs.

## Product dimensions in the CURVPEEL® range:

SPECIFICATION / MATERIAL	SPECIFIC WEIGHT	THICKNESS OF PEELABLE ELEMENTS (IN MM/INCH) - SPECIFICATION									
		0,010 .0004	0,012 .0005	0,019 .0007	0,023 .0009	0,025 .001	0,05 .002	0,075 .003	0,1 .004	0,11 .0043	0,2 .008
		2	3	4	5	6	7	8	9	10	11
<b>Aluminium</b>											
CPLS1	1200	2.8					X	X			
CPLS2	5052	2.8					X	X			
CPLS18	1050	2.8					X		X		X
CPLS19	1100	2.71					X	X			
<b>Brass</b>											
CPLS3	CuZn37	8.5				X	X	X	X		
<b>Stainless steel</b>											
CPLS4	Z 10CN 18.09/AISI 302	8.2					X	X	X		
CPLS5	Z 6CN 18.10/AISI 304	8.2	X			X	X	X	X		
CPLS6	Z 2CN 18.10/AISI 304L	8.2					X	X	X		
CPLS7	AISI 316	8.2					X	X			
CPLS8	Z 2CND 17.12/AISI 316L	7.85					X	X	X		
<b>Mild steel</b>											
CPLS9	C1010	8,2				X	X	X	X		
<b>Titanium</b>											
CPLS10	Grade 1 (T35)	4,5				X	X	X	X		
CPLS11	Grade 2 (T40)	4,5					X	X	X		
<b>INTERCOMPOSITE®</b>											
CPLS12	(polymer/époxy/polyester)	1,395		X	X	X	X	X	X		X
<b>DUOPEEL®</b>											
CPLS13	(metallised polyester)	1,395		X	X	X	X				
<b>X.FIBER®</b>											
CPLS15	(carbon fabric)	1,05								X	
CPLS16	(PLUS glass fabric)	1,35 to 1,39					X	X	X		



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