



## Selection Guide & Product Information

exaktalign<sup>AB</sup>

## What is a shim?

A **shim** is a thin piece of material, used to fill small gaps or spaces between objects. Shims are typically used in order to support, adjust for better fit, or provide a level surface. Shims may also be used as spacers to fill gaps between parts subject to wear.

*Source: Wikipedia*



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## Features of InterShim®

- Unique shape
- 12 Thicknesses
- AISI 304 Stainless steel
- Durable
- Reusable
- Laser etched markings
- Dimensions in mm and inches



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## Features – Unique shape

Other shim



InterShim®

### Advantages of the tab with triangle shape are:

- A stack of shims is easy to 'align' by pinching the tab
- Because of the tab, it is easy to pull out a stack of shims, even with greasy hands. Other makes have a small hole in the tab where a tool has to be put in for withdrawal. The holes however are never in the same position.

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## Features – 12 Thicknesses

In the world of alignments it is strongly recommended, never to use more than 3 shims in a stack. In case of more shims, the package will act like a spring.

When using InterShim, every combination can be made with only 3 shims. Other makes have only 8 thicknesses in their program.

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## Features – AISI 304 Stainless steel / Durable

Because of the use of AISI 304 stainless steel, the shims will not rust. The alignment of the machine or the position of the installation will not change in time because of the shim.

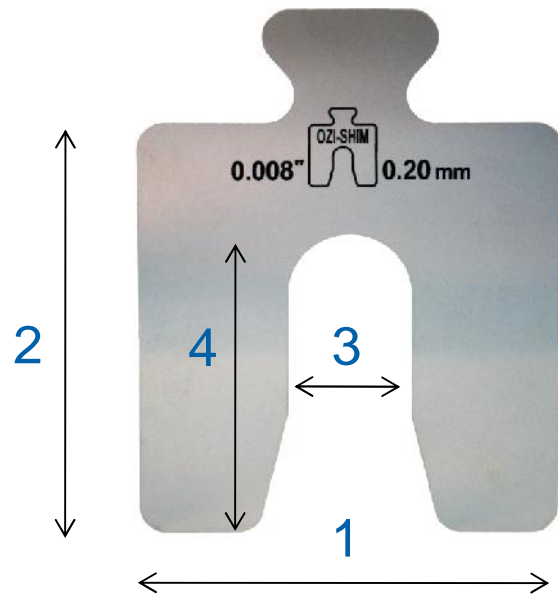
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## Features – Reusable / Laser etched markings

The laser etched marking on the shim is clear and will not fade away in time. Both in the suitcase as after removal from the machine / installation, the marking is still clear. Undamaged shims can be reused therefore.

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# Dimensions of shims



Dimensions in mm				
	1	2	3	4
Type A	50	50	16	39
Type B	75	75	22	55
Type C	100	100	32	77
Type D	125	125	45	95
Type E	200	200	55	147

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## InterShim® is available in:

- Packages of 10 pieces
- Assortment suitcases (Pelican make)



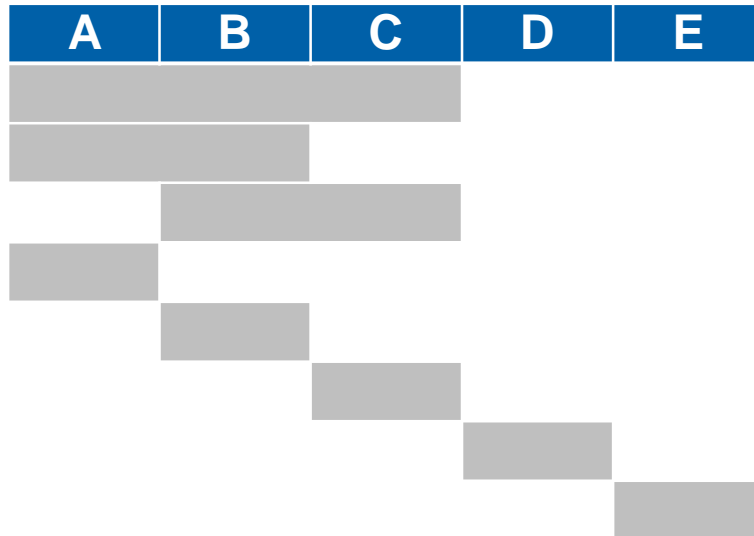
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## Available sizes / thicknesses InterShim

Thickness mm	A	B	C	D	E
0.050	X	X	X	X	X
0.075	X	X	X	X	-
0.100	X	X	X	X	X
0.125	X	X	X	X	-
0.200	X	X	X	X	X
0.250	X	X	X	X	X
0.400	X	X	X	X	X
0.500	X	X	X	X	X
0.700	X	X	X	X	X
1.000	X	X	X	X	X
2.000	X	X	X	X	X
3.000	X	X	X	X	X

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# Available sizes / thicknesses InterShim® suitcases



For A, B, C & D Shims

Per suitcase 4 executions available:

8 sizes<sup>1</sup> 10 each

8 sizes<sup>1</sup> 20 each

13 sizes 10 each

13 sizes 20 each

<sup>1</sup>) 0.05, 0.1, 0.2, 0.4, 0.5, 0.7, 1.0, 2.0

For E Shims

Per suitcase 2 executions available:

9 sizes<sup>2</sup> 10 each

9 sizes<sup>2</sup> 20 each

<sup>2</sup>) 0.05, 0.1, 0.2, 0.25, 0.4, 0.5, 0.7, 1.0, 2.0



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## Selection criteria

1. Normally the size of the foundation, machine foot or bolt size are determining the type of shim to be used.
2. Always select a shim with a clearance of at least 2mm between slot and the bolt used. So the following shims can be used for:

Shim type	Bolt dimension
A (50 x 50, slot 16 mm)	M14 (9/16")
B (75 x 75, slot 22 mm)	M16 (5/8") D M20 (3/4")
C (100 x 100, slot 32 mm)	M22 (7/8") D M30 (1-1/8")
D (125 x 125, slot 45 mm)	M33 (1-1/4") D M42 (1-3/4")
E (200 x 200, slot 55 mm)	M42 (1-3/4") D M52 ( 2")

3. In case of accurate alignments, try to prevent to use more than 3 shims on a stack.

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