

Shim Plates

Standard / Configurable

Shim Plates

Type		Material	Hardness	Thickness (T) Tolerance						
Standard Type	Configurable			0.05	0.1	0.2	0.3	0.5	1.0	
CIRA	CIRAF	EN 1.0330 Equiv.	-	-	±0.03	±0.04	±0.06	±0.11		
CIRAB	CIRABF	Brass (EN CW505L Equiv. or EN CW507L Equiv.)	-	±0.005	±0.02	±0.03	±0.04	±0.05	±0.08	
CIRAS	CIRASF	EN 1.4301 Equiv.	370~430HV	±0.005	±0.02	±0.03	±0.035	±0.04	±0.05	

A, B	A/B Tolerances	
	Standard Type CIRA, CIRAS	Configurable CIRAF
20~	+0.5 0	±0.5
400~	-	±0.8
800~	±1.2 +5 0	±1.2

RoHS 10

Standard

Part Number	Type	T	Selection		Unit Price																	
			A	B	CIRA					CIRAB					CIRAS							
CIRA CIRAB CIRAS	(0.05) CIRA is not available.	0.1 0.2 0.3 0.5 1.0	20	30	40	0.1	0.2	0.3	0.5	1.0	0.05	0.1	0.2	0.3	0.5	1.0	0.05	0.1	0.2	0.3	0.5	1.0
			50	60	70	20																
			80	90	100	30																
			120	150																		
			40	50	60	40																
			70	80	90	50																
			100	120																		
			60	70	80																	
			90	100	60																	
			120	150	70																	
			200																			
			80	90	100	80																
			120	150																		
			200																			
			100	120	100																	
150	200	120																				
200																						
150	200	150																				
200																						
200	200	200																				
1000	300	320																				
1200	365																					

Specify as A≥B. No specification available for those without value.

Configurable

Part Number	1mm Increment	Selection	Unit Price										
			CIRAF			CIRABF			CIRASF				
CIRAF CIRABF CIRASF	10~ 100 20~ 200 30~ 300 40~ 400 50~ 500 60~ 600 80~ 800 100~ 1000	10~100 20~100 101~200 101~200 201~300 201~300 20~100 101~200 201~300 20~100 101~200 201~300 20~100 101~200 201~300	(0.05) CIRAF is not available.	0.1 0.2 0.3 0.5 1.0	T0.1-0.3	T0.5	T1.0	T0.05-0.3	T0.5	T1.0	T0.05-0.3	T0.5	T1.0

T=0.05... B≤300

Ordering Example

Part Number - A - B
CIRAB0.5 - 40 - 20

Part Number - A - B - T
CIRASF - 527 - 118 - 0.2

Shim Plates (SK Hardened Steel) / Shim Tapes / Shim Tape Boxes

Standard / Configurable

Shim Plates (SK Hardened Steel)

Standard Type	Configurable	Material	Hardness
CIRAK	CIRAKF	SK	480~520HV

Thickness (T) Tolerance			
0.1	0.2	0.3	0.5
±0.01	±0.015	±0.025	±0.03
			±0.05

Standard

Part Number	Type	T	Selection		Unit Price				
			A	B	0.1	0.2	0.3	0.5	1.0
CIRAK		0.1 0.2 0.3 0.5 1.0	100	100					
			250	100					
			500	100					
			1000	100					

Standard

A	A/B Tolerances	
	Standard Type	Configurable
100~1000	±1	
100	+2-1	

Ordering Example

Part Number - A - B
CIRAK0.1 - 100 - 100

Part Number - A - B - T
CIRAKF - 100 - 50 - 0.1

Configurable

Part Number	1mm Increment	Selection	Unit Price				
			T0.1	T0.2	T0.3	T0.5	T1.0
CIRAKF	10~ 100 101~ 200 201~ 300 301~ 400 401~ 500 501~ 600 601~ 800 801~ 1000	10~ 50 51~ 100 10~ 50 51~ 100 10~ 50 51~ 100 10~ 50 51~ 100 10~ 50 51~ 100 10~ 50 51~ 100	0.1				
			0.2				
			0.3				
			0.5				
			1.0				

Specify as A≥B.

Configurable

A	A/B Tolerances	
	Standard Type	Configurable
10 ~ 399	±0.5	
400 ~ 799	±0.8	
800 ~ 1000	±1.2	
10 ~ 90	±0.5	
91 ~ 100	+2-1	

Shim Tapes

Type	W	Length	Material	Hardness
FGSM	12.7	1m	EN 1.4301 Equiv.	370~420HV
FGSMW	45.0	1m	EN 1.4301 Equiv.	370~420HV
FGSML	12.7	5m	SK	480~600HV
SFGSM	12.7	1m	EN 1.4301 Equiv.	370~420HV
SFGSMW	45.0	1m	EN 1.4301 Equiv.	370~420HV
SFGSML	12.7	5m	EN CW505L Equiv. or EN CW507L Equiv.	
DFGSMW	45.0	1m	EN CW505L Equiv. or EN CW507L Equiv.	

Standard (Length 1m)

Part Number	Type	T	Tolerance	Unit Price				
				FGSM	FGSMW	SFGSM	SFGSMW	DFGSMW
FGSM SFGSM (W=12.7mm)		0.005 0.01 0.015 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.1 0.15 0.2	±0.0005					
			±0.003					
			±0.005					
			±0.015					

No specification available for those without value.

Long (Length 5m)

Part Number	Type	T	Tolerance	Unit Price	
				FGSML	SFGSML
FGSML SFGSML (W=12.7mm)		0.005 0.01 0.015 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.1 0.15 0.2	±0.0005		
			±0.003		
			±0.005		
			±0.015		

No specification available for those without value.

Shim Tape Boxes

Material: EN 1.4301 Equiv. Hardness: 370 ~ 420HV

CMBOXS

Part Number	Type	No.	T	Tolerance	Width	Length	Unit Price
CMBOXS		5	0.005	±0.0005	100mm	1500mm	
		10	0.01	±0.003			
		20	0.02				
		30	0.03				
		40	0.04				
		50	0.05	±0.005			
		60	0.06				
		80	0.08				
		100	0.10				
		150	0.15				
200	0.20	±0.020					

Ordering Example

Part Number
CMBOXS50

- As No.5 ~ 20 is extremely thin, shims may be wrinkled when pulled out.
- A Solid Shim Tape in a Box.
- Major Usage
- Tool Installation
 - Arrangement of Machinery and Equipment
 - Installation of Equipment Bases
 - Bearing Clearance Adjustments
 - Tolerance Adjustments
 - Adjustment of Equipment