




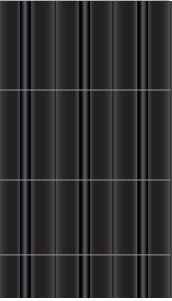


ZEISS CARFIT lite

Specifications

Version: June 2019



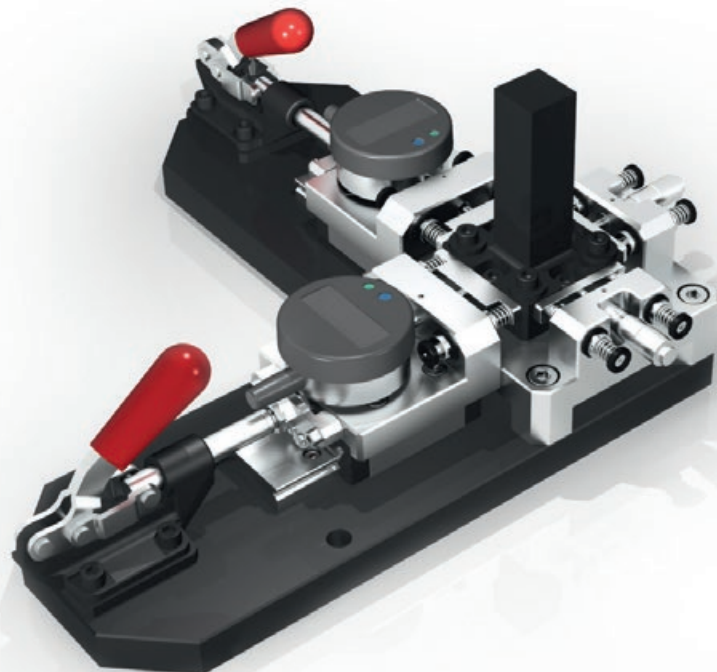
	50 x 50	50 x 100	100 x 100
			
			
Variant/Dimensions	50 x 50	50 x 100	100 x 100
Weight/Meter	3.35 kg/m	5.96 kg/m	8.77 kg/m
Transverse section	50 mm x 50 mm	50 mm x 100 mm	100 mm x 100 mm
Material	EN AW-6060 T66	EN AW-6060 T66	EN AW-6060 T66
	AlMgSi0.5 F22	AlMgSi0.5 F22	AlMgSi0.5 F22
Tensile strength Rm [N/mm ²]	215	215	215
0.2% Elastic limit Rp0.2 [N/mm ²]	160	160	160
Elongation at break A50mm [%]	6	6	6
Hardness [HB]	70	70	70
E module [N/mm ²]	70,000	70,000	70,000
Fastening			
Front	1 x M 8	1/2 x M 8	2/4 x M 8
Lateral	2 x M 8	2/4 x M 8	2/4 x M 8

Variant/Dimensions	50 x 50	50 x 100	100 x 100
25 - 500 mm	+ 25 mm/step	+ 25 mm/step	+ 25 mm/step
500 - 2000 mm	+ 50 mm/step	+ 50 mm/step	+ 50 mm/step
2000 - 4000 mm	+ 250 mm/step	+ 250 mm/step	+ 250 mm/step

Profile on profile	Via slot nuts
Adapter plates	For increased stiffness

Small parts up to 2 kg	50 mm x 50 mm, horizontal
Components up to 5 kg	50 mm x 50 mm, horizontal/vertical
Components up to 10 kg	50 mm x 100 mm, horizontal
Components up to 15 kg	100 mm x 100 mm, vertical

ADAPTER PLATES, FRONT	X		
ADAPTER PLATE, CROSS 50	X		
ZSB ADAPTER PLATE for 2D & 3D ELEMENT	X		
FRONT PLATE, 50	X		
PROFILE SUPPORT, length = 150 mm, 45°	X		
PROFILE SUPPORT, length = 100 mm, 45°	X		
PROFILE SUPPORT, length = 200 mm, 45°	X		
PROFILE SUPPORT, length = 150 mm, 60° x 30°	X		
PROFILE SUPPORT, length = 100 mm, 60° x 30°	X		
PROFILE SUPPORT, length = 200 mm, 60° x 30°	X		
GUSSET PLATE, length = 150 mm, 45°	X		
GUSSET PLATE, length = 100 mm, 45°	X		
GUSSET PLATE, length = 200 mm, 45°	X		
GUSSET PLATE, length = 150 mm, 30° - 60°	X		
GUSSET PLATE, length = 100 mm, 30° - 60°	X		
GUSSET PLATE, length = 200 mm, 30° - 60°	X		
CLAMP ATTACHMENT PLATES	X		
CLAMP CONSOLES	X		
ADAPTER PLATE FOR 2D/3D ELEMENT, 60, ZSB	X		
ADAPTER PLATE, FRONT, 50 X 100		X	
ADAPTER PLATE, CROSS, 50 X 100		X	
ADAPTER PLATE, CROSS, 100 X 100			X
BASEPLATE, 50, ZSB	X		
BASEPLATE, 50 X 100, ZSB		X	
END CAP, CMF, 50	X		
END CAP, CMF, 50 X 100		X	
END CAP, CMF, 100			X
SUPPORT BLOCK, 60, FOR 2D ELEMENT	X		
BASE, 2D ELEMENT	X		
ADAPTER PLATES FOR 50 & 60 PROFILE, HOLE PATTERN FOR 2D ELEMENT	X		
SPACER PLATES (SHIM), 0.1 - 1.0 MM THICKNESS	X		



External adjustment device for the new ZEISS CARFIT lite system (available separately)

ZEISS CARFIT lite – Technical data for the fixture system

Degree of standardization	100%, up to 95% can be retooled
Base	Continuous casting profile
Number of system elements	approx. 45
Special features	2D element with external adjustment device
Adjustment range	+/- 2.0 mm
Available libraries	Catia
Compatibility	ZEISS CARFIT, 60 x 60 and 80 x 80
Profile dimensions	50 mm x 50 mm, 50 mm x 100 mm, 100 mm x 100 mm
Material	Al Mg Si 0.5 F 23
Parallelism of the profile surfaces	0.2 mm / 1000 mm length
Straightness and deformation tolerance	0.5 mm/m
Action	Anodized aluminum

Carl Zeiss

Fixture Systems GmbH
Auf Rodert 6
66636 Tholey
Germany

Phone: +49 (0) 6853/ 5012-0
Fax: +49 (0) 6853/ 5012-31
Email: carfit.metrology.de@zeiss.com
www.zeiss.de/carfit