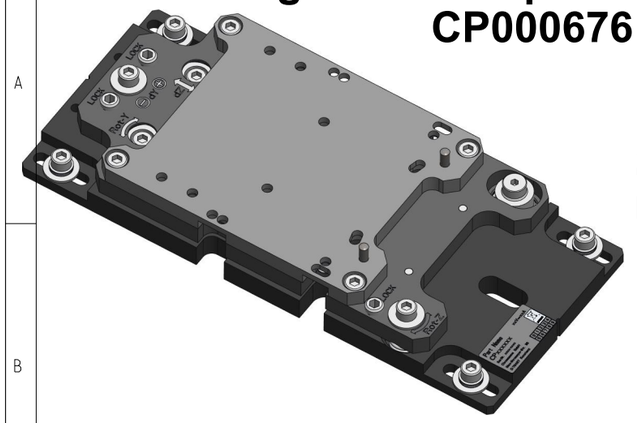
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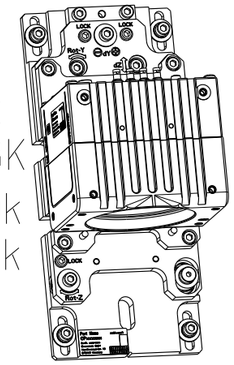
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allPIXA Alignment Adapter: CP000676

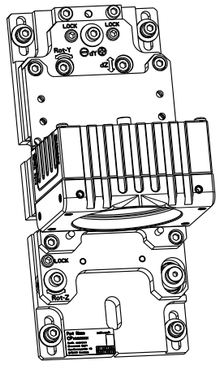


Suitable Cameras:

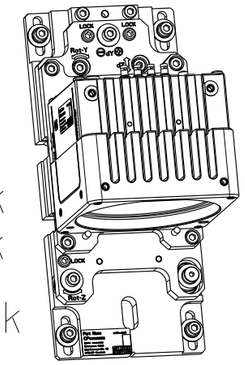
allPIXA evo 8k
CP000620-S-08K
allPIXA evo 10k
CP000620-S-10k



allPIXA wave 10k
CP000498-10k

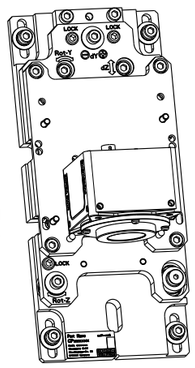


allPIXA evo 15k
CP000620-S-15k
allPIXA evo 16k
CP000620-S-16k
allPIXA evo 32k
CP000620-S-32k
allPIXA wave 15k
CP000498-15k

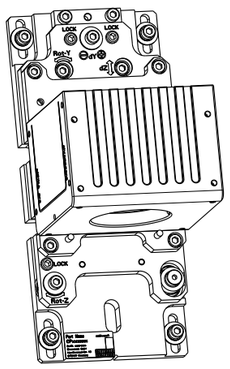


Optical Sensor Position to Front of Camera	17 mm	17 mm	17 mm
optical Sensorposition to Front Alignment Adapter (S)	S = 77.5 mm + 17 mm = 94.5 mm	S = 77.5 mm + 17 mm = 94.5 mm	S = 77.5 mm + 17 mm = 94.5 mm
Height of Sensor (H)	68 mm	68 mm	80 mm

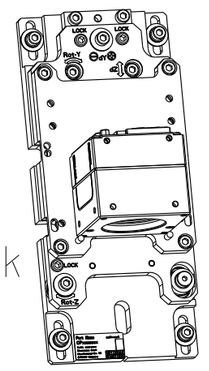
allPIXA SWIR
CP000700



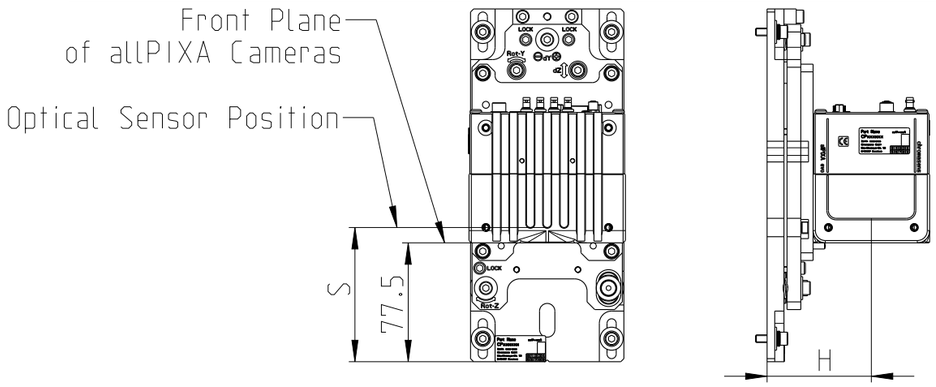
allPIXA pro
CP000476



allPIXA neo
CP000660-06k/04k



Optical Sensor Position to Front of Camera	9 mm	16.5 mm	12 mm
Optical Sensor Position to Front of Alignment Adapter (S)	S = 77.5 mm + 9 mm = 86.5 mm	S = 77.5 mm + 16.5 mm = 94 mm	S = 77.5 mm + 12 mm = 89.5 mm
Height of Sensor (H)	61 mm	80 mm	61 mm



ISO 128	Tol ISO 8015 DIN 2768 - mH		ISO 1302	Massstab 1:4	Creo10
				CP000676	
			Datum: 09.12.2022	allPIXA Alignment Adapter2.0	
			Name: Joggerst		
			Gepr.:		
03	ECO_221642	09.02.2026	Joggerst		Blatt
Zust	Mitteilung	Datum	Name	CM065-B20-V20-C	1 /5

Chromasens GmbH
Max-Stromeyerstr.116
GER 78467 Konstanz

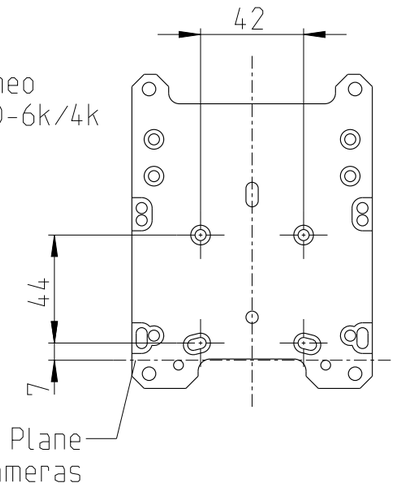
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Hole pattern

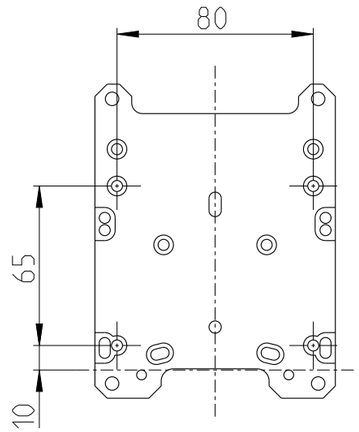
A.)
allPIXA neo
CP000660-6k/4k



B.)
allPIXA evo 8k
CP000620-S-08K

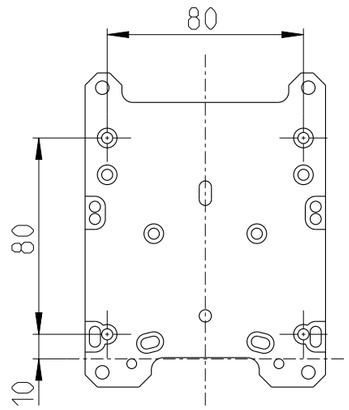
allPIXA evo 10k
CP000620-S-10k

allPIXA evo 15k
CP000620-S-15k*



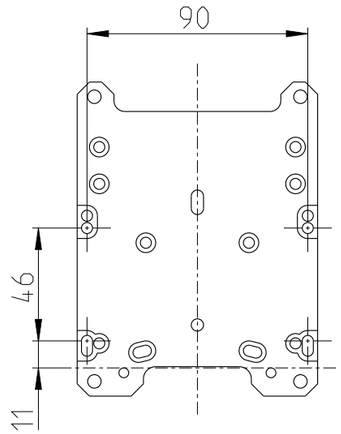
C.)
allPIXA evo 16k
CP000620-S-16k*

allPIXA evo 32k
CP000620-S-32k*



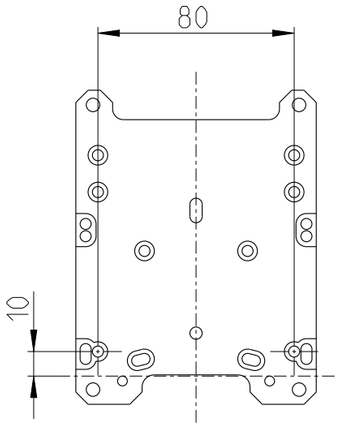
D.)
allPIXA pro
CP000476

chromaPIXA
CP000584

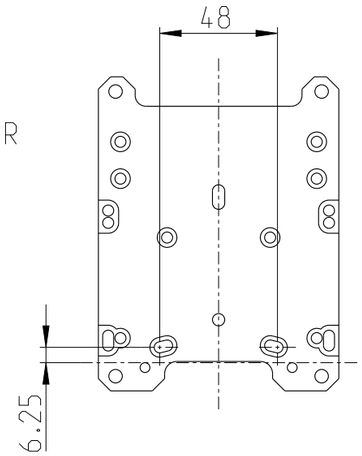


E.)
allPIXA wave 10k
CP000498-10k

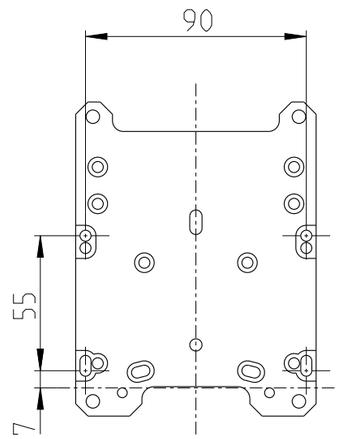
allPIXA wave 15k
CP000498-15k



F.)
allPIXA SWIR
CP000700



G.)
allPIXA-170
CP000383



* The two front screws can be mounted directly, but a spacer is required for the two rear screws.

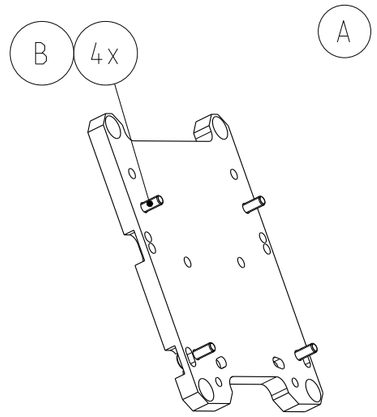
ISO 128	Tol ISO 8015 DIN 2768 - mH		ISO 1302	Massstab 2:5	Creo10
				CP000676	
			Datum: 09.12.2022	allPIXA Alignment Adapter2.0	
			Name: Joggerst		
			Gepr.:		
03	ECO_221642	09.02.2026	Joggerst	Chromasens GmbH Max-Stromeyerstr.116 GER 78467 Konstanz	Blatt
Zust	Mitteilung	Datum	Name	CM065-B20-V20-C	2 /5

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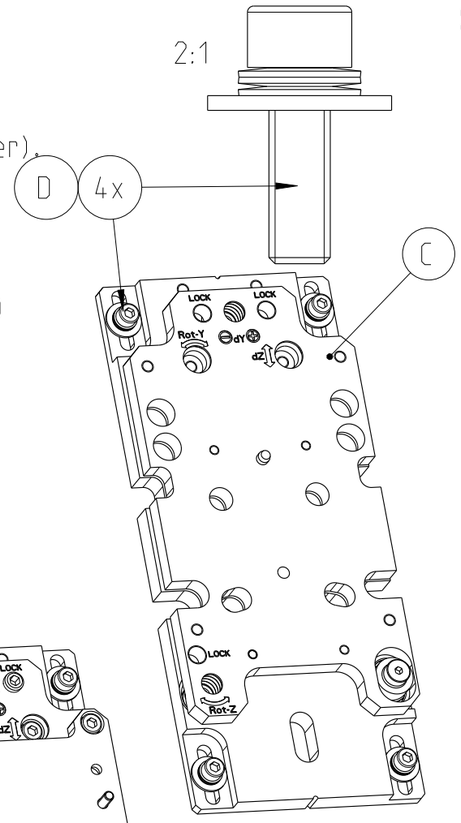
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Step 1: Assembly



1.)
Remove the adapter plate (A) from the adjustment adapter and attach it to the camera with the two/four screws (B) (M4x12; Separate plastic bag) provided.



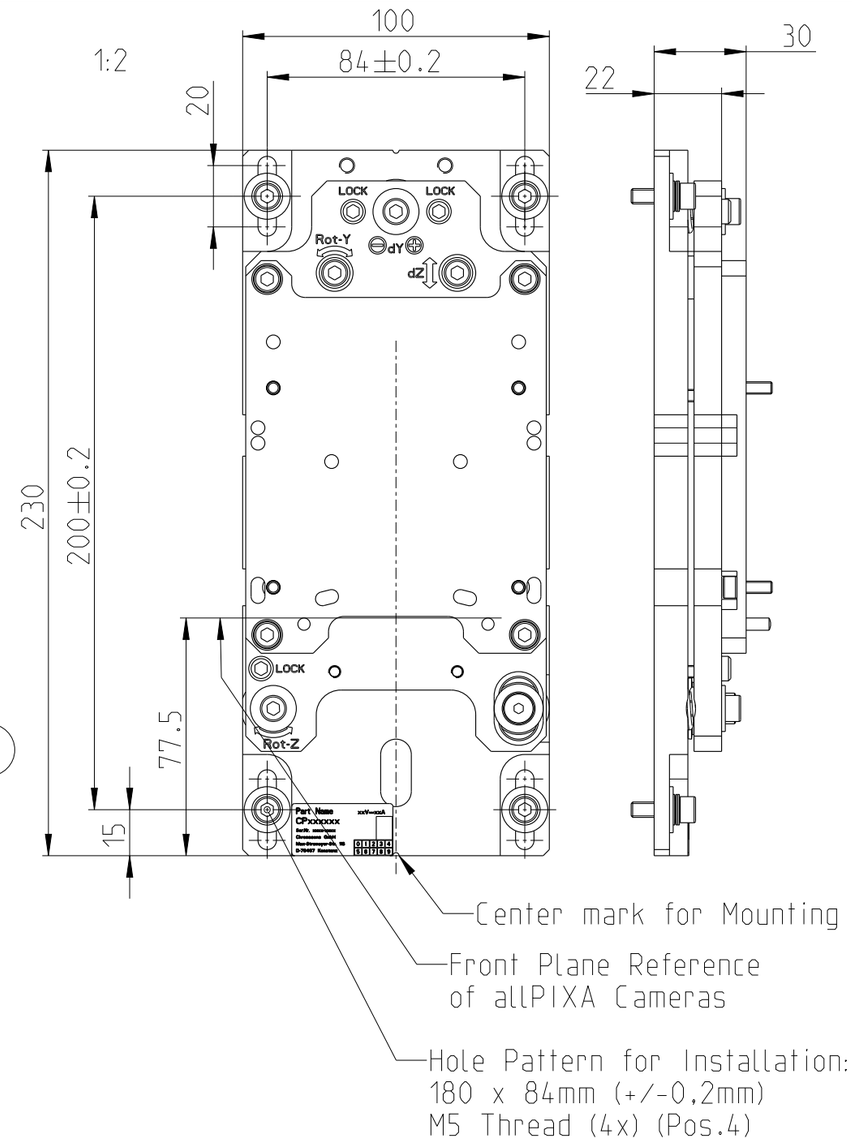
2.)
Mount the spring assembly (C) at the intended location using the four screw packages (D) (M4x16) provided with wide washer and three disc springs (stacked against each other).

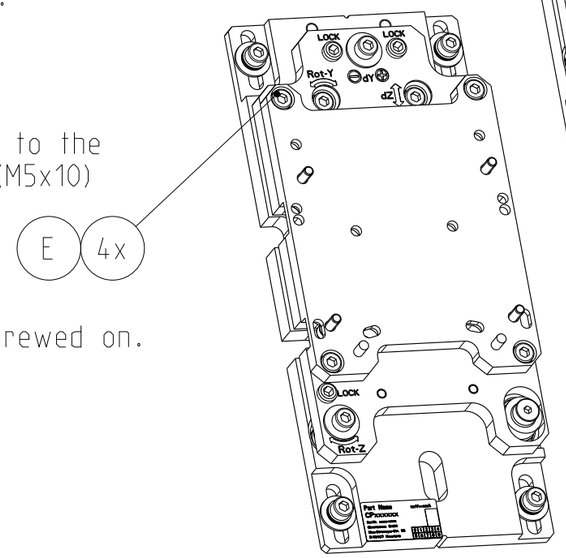
For correct mechanical positioning and to simplify adjustment, the values in the table of the first page can be used.

Use the slotted hole to position the adapter roughly (in Z +/-10mm)
The screws should only be tightened lightly at first,
as the entire plate can be shifted due to the plate springs.
The rough Z-positioning should be done to an accuracy of 1 mm.

The X-positioning has to be done accurately by using the 'Center mark' (see image on the right side).
Note: The X-positioning can't be fine adjusted in later steps.

After the adapter is mechanically placed, the mounting screws (D) can be tightened.





3.)
Attach the adapter plate with the camera to the spring assemblywith the four screws (E) (M5x10) provided.

You can reach the screws for mounting/demounting the camera from behind even when the adapter plate is screwed on.

Attach the lens to the camera.

ISO 128	Tol ISO 8015 DIN 2768 - mH	ISO 1302	Massstab 2:5	Creo10	
			CP000676		
		Datum: 09.12.2022	allPIXA Alignment Adapter2.0		
		Name: Joggerst			
		Gepr.:			
03 ECO_221642	09.02.2026	Joggerst	Chromasens GmbH Max-Stromeyerstr.116 GER 78467 Konstanz		Blatt
Zust Mitteilung	Datum	Name		CM065-B20-V20-C	3 /5

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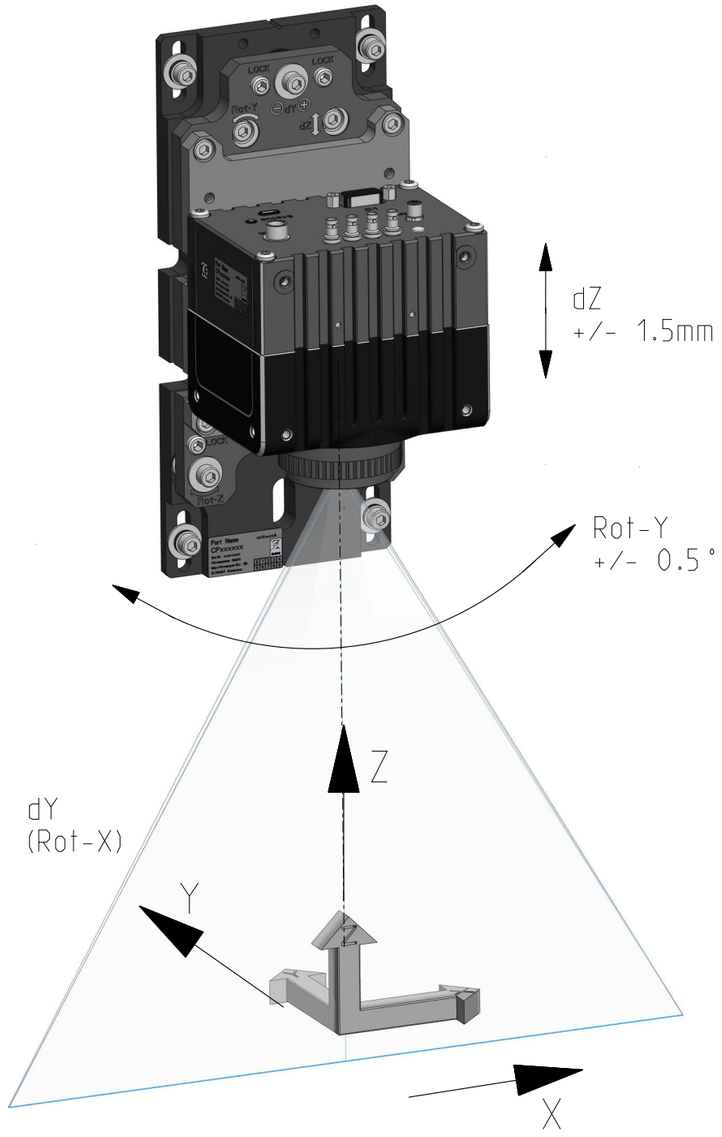
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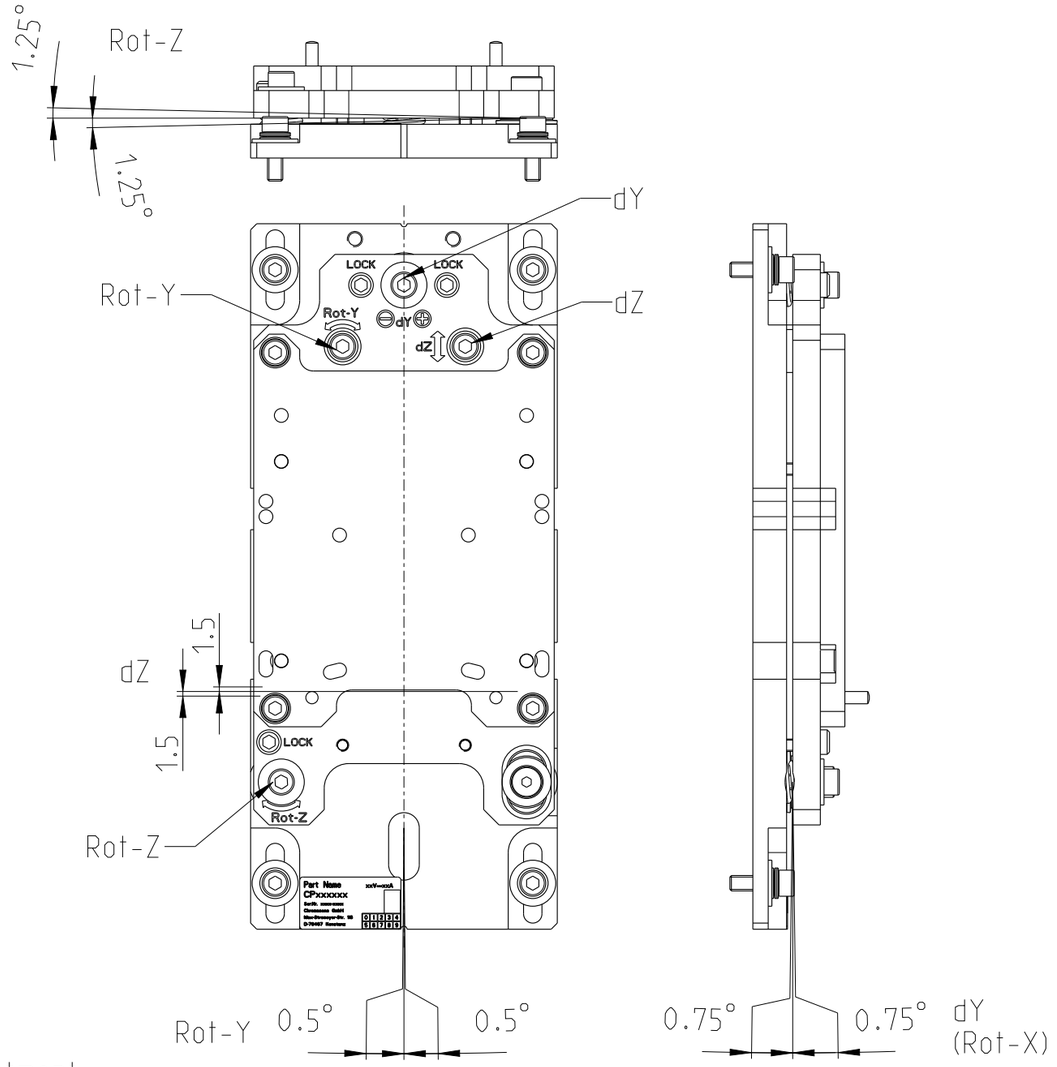
Step 2: Adjustment

The camera can now be adjusted in the installed state.
The 4 screws dY, Rot-Y, dZ and Rot-Z can be used for this purpose.
The individual tasks of the screws can be seen in the sketches below.

If the adjustment in the Z-direction cannot be achieved,
the screws (D) from the second step of the assembly can be loosened
and the entire adapter can be moved via the slotted holes.

Please note: Not all maximum angles of dY and Rot-Z can be achieved
at the same time





Explanation of the 4-Axis-Adjustment:

Direction	Value	Impact
dY	+/-0,75°	Shifting the Scanline in Y (Minor Rotation around X)
Rot-Y	+/-0,5°	Swinging in Scanline Direction for even Sharpness at the End of Scanline
dZ	+/-1,5mm	Shifting Height for Sharpness and Resolution
Rot-Z	+/-1,25°	Rotating the Scanline around Z-Axis

ISO 128	Tol ISO 8015 DIN 2768 - mH		ISO 1302	Massstab 1:2	Creo10
				CP000676	
			Datum: 09.12.2022	allPIXA Alignment Adapter2.0	
			Name: Joggerst		
			Gepr.:		
03	ECO_221642	09.02.2026	Joggerst	Chromasens GmbH Max-Stromeyerstr.116 GER 78467 Konstanz	Blatt
Zust	Mitteilung	Datum	Name	CM065-B20-V20-C	4 /5

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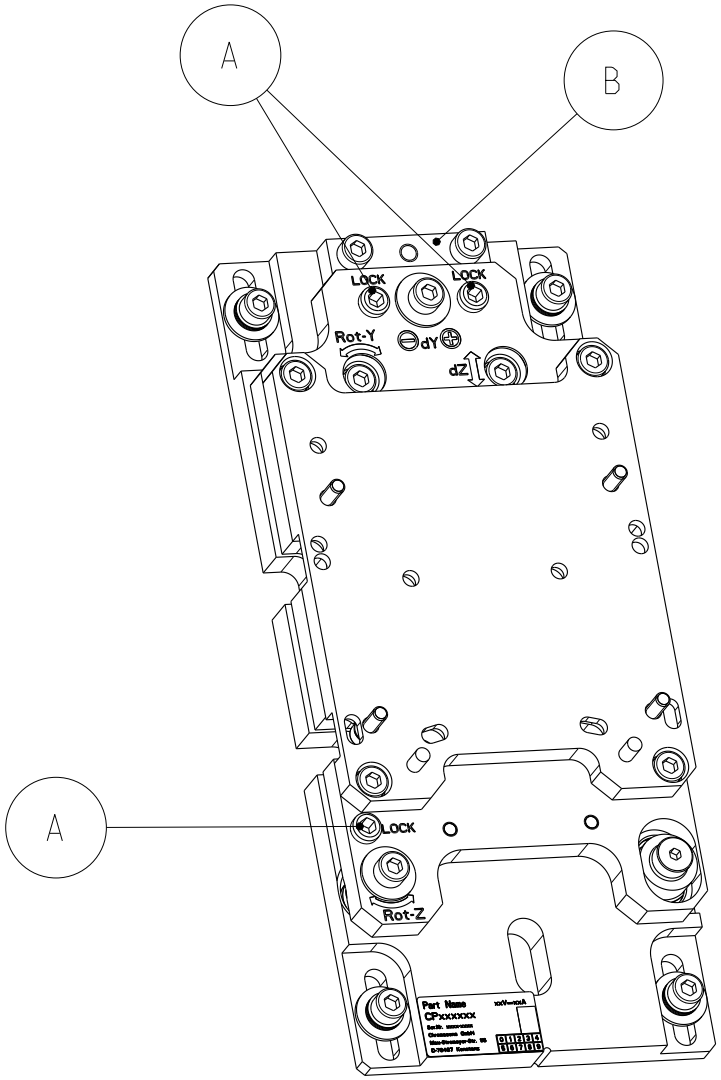
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Step 3: Fixing

There are two ways to fix the position.

1. Tighten the 3 screws (A) marked Lock.
Caution: This may cause the adjustment to be slightly distorted.
This fixation is reversible.

Optional:
2. Tighten the screws of the bonding angle (B; Separate plastic bag) and glue it to the adapter. Use thermally conductive adhesive.
Caution: This fixation is difficult or impossible to reverse.



ISO 128	Tol ISO 8015 DIN 2768 - mH	ISO 1302	Massstab 1:2	Creo10	
			CP000676		
			Datum: 09.12.2022	allPIXA Alignment Adapter2.0	
			Name: Joggerst		
			Gepr.:		
03	ECO_221642	09.02.2026	Joggerst	Chromasens GmbH Max-Stromeyerstr.116 GER 78464 Konstanz	Blatt
Zust	Mitteilung	Datum	Name		5 /5
				CM065-B20-V20-C	