

XERYON L bracket XYZ S Stages Multi Axis User Guide

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L bracket XYZ S Stages Multi Axis

Xeryon stages can be combined into multi-axis configurations, offering up to 6D positioning solutions. Besides stages, Xeryon offers different mounting solutions, including:

- Product integrated mounting options
- Adapter plates
- Standard brackets, which cover a large array of configurations
- Custom brackets to fit your specific needs

In this document, you can explore the possibilities and find a setup best suited to your project's needs.

Parallel Stage Mounting – integrated solutions & adapter plates

Some configurations don't require any brackets or adapter plates. Xeryon products feature mounting holes which cover basic "stacked" configurations such as XY, ThetaXY, XYTheta, ZTheta. Please have a look at the "Horizontal Mounting" table, where these configurations are indicated. If your configuration isn't covered by the standard mounting options, Xeryon can provide a standard or custom adapter plate.

Perpendicular Stage Mounting – L brackets & T bracket Standard Brackets

Xeryon offers five standard brackets (depicted below). They cover a large array of configurations. Please have a look at the "Vertical Mounting" table, which indicates which configurations are standardly provided, and which brackets they require.

Xeryon standard plates and brackets

This table gives an overview of all the standard plates and brackets Xeryon offers.

See page 2 for illustrations. None meet your demand? Xeryon offers custom solutions to meet your demands.

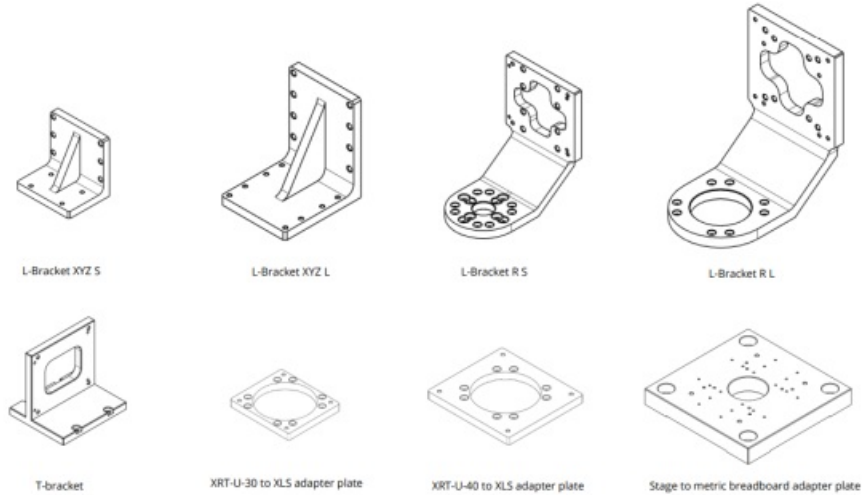
Please contact our integration team to see what Xeryon could mean for your project.

Name	[mm] WxDxH Dimensions	Material	[g] Mass
L_bracket_XYZ_S	34 x 27.1 x 34	Al	23
L_bracket_XYZ_L	35 x 44 x 48	Al	38
L_bracket_XYZ_R_S	40 x 52.95 x 55.5	Al	27
L_bracket_XYZ_R_L	50 x 67.45 x 72.2	Al	54
T_bracket	40 x 34x 39	Al	25
XRT-U-30_to_XLS_adapter_plate	40x 35x4	Al	7
XRT-U-40_to_XLS_adapter_plate	50 x 46x 4	Al	16
Stage_to_metric_breadboard	95x95x12.7	Al	258

Last updated: Nov. 2024. All specifications are subject to change without prior notice
Disclaimer: The product images shown may be for illustration purposes only and may not be an exact representation of the product.

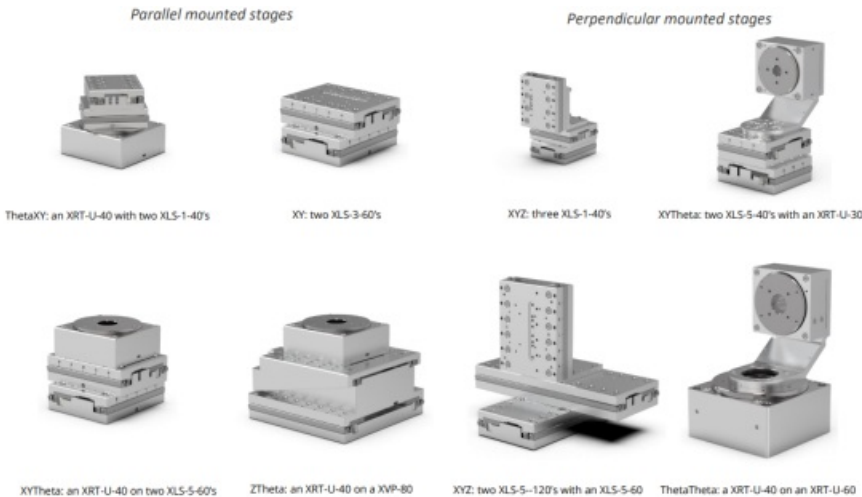
Xeryon Standard Plates and Brackets

Not sure what you are looking for? Ask our integration team.



Examples of Standard Configurations

Not sure what you are looking for? Ask our integration team.



Parallel Mounting

				Top Stage							
				Linear Stages				Rotation Stages			
				XLS-1		XLS-3		XRT-U			
				30	40-80	40-120	25	30	40	60	
Bottom Stage	Vertical Lifting Platform XVP			x	x	x					
	Linear Stages	XLS-1	30								
			40-80	x	x						
		XLS-3	40-120		x	x			(not available on XLS-3-40)		
	Rotation Stages	XRT-U	25								
			30								
			40								
			60								

= integrated mounting options

x

= integrated alignment

= standard adapter plate required

= custom adapter plate required

= setup not advised

Perpendicular Mounting

				Top Stage								
				Linear Stages					Rotation Stages			
				XVS-1			XVS-3		XRT-U			
				30	40	60-80	40-60	80-120	25	30	40	60
Bottom Stage	Linear Stages	XLS-1	30-80	XYZ S	XYZ S				RS T-bracket	RS T-bracket		
		XLS-3	40-120	XYZ L	XYZ L		XYZ L		RS T-bracket	RS T-bracket	RL	
	Rotation Stages	XRT-U	25									
			30	RS	RS				RS	RS		
			40	RS	RS		RL		RS	RS	RL	
			60		RL		RL			RL	RL	
	Vertical Lifting Platforms: XVP		80							RL	RL	

= standard configuration available with L-brackets "R S", "R L", "XYZ S", "XYZ L" or the T-bracket

= setup not advised, contact our sales department for any enquiries

Documents / Resources

	XERYON L bracket XYZ S Stages Multi Axis [pdf] User Guide XRT-U-30, XRT-U-40, L bracket XYZ S Stages Multi Axis, L bracket XYZ S, Stages Multi Axis, Multi Axis, Axis
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References

- [User Manual](#)

