



Xeryon Stages Combination Guide

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.

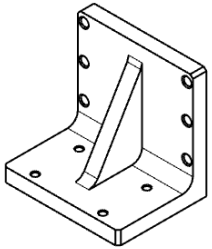
 Name	[mm] W x D x H		[g]
	Dimensions	Material	Mass
L_bracket_XYZ_S	34 x 27.1 x 34	Al	23
L_bracket_XYZ_L	35 x 44 x 48	Al	38
L_bracket_XYZ_R_S	40 x 52.95 x 55.5	Al	27
L_bracket_XYZ_R_L	50 x 67.45 x 72.2	Al	54
T_bracket	40 x 34 x 39	Al	25
XRT-U-30_to_XLS_adapter_plate	40 x 35 x 4	Al	7
XRT-U-40_to_XLS_adapter_plate	50 x 46 x 4	Al	16
Stage_to_metric_breadboard	95 x 95 x 12.7	Al	258

Last updated: Nov. 2024. All specifications are subject to change without prior notice

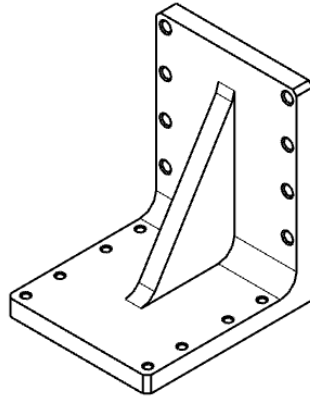
Disclaimer: The product images shown may be for illustration purposes only and may not be an exact representation of the product.

Xeryon Standard Plates and Brackets

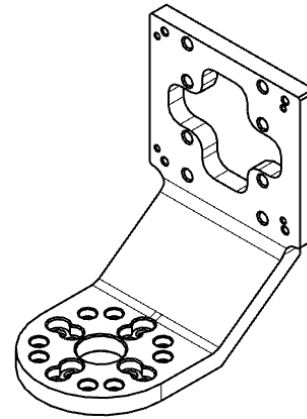
Not sure what you are looking for? Ask our [integration team](#).



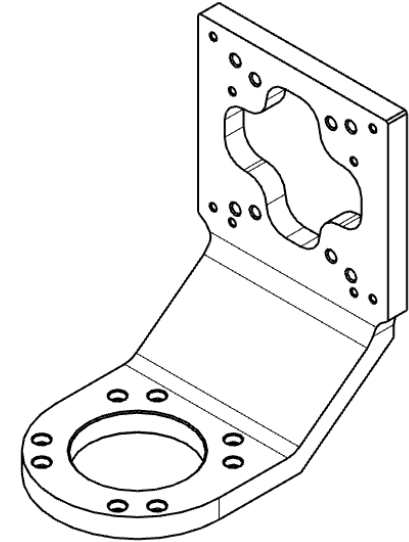
L-Bracket XYZ S



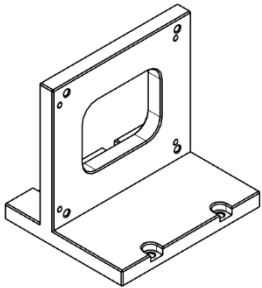
L-Bracket XYZ L



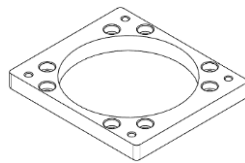
L-Bracket R S



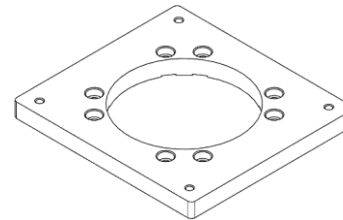
L-Bracket R L



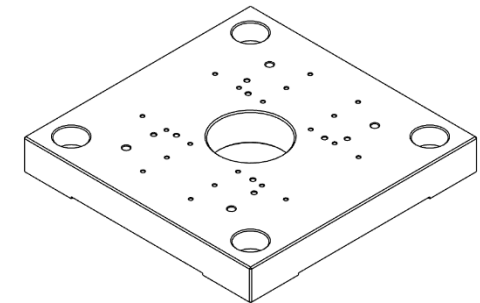
T-bracket



XRT-U-30 to XLS adapter plate



XRT-U-40 to XLS adapter plate



Stage to metric breadboard adapter plate

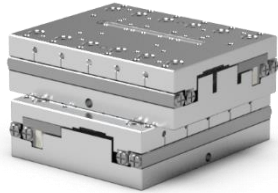
Examples of Standard Configurations

Not sure what you are looking for? Ask our [integration team](#).

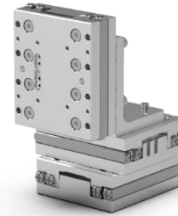
Parallel mounted stages



ThetaXY: an XRT-U-40 with two XLS-1-40's



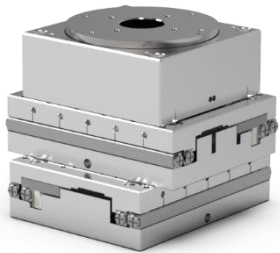
XY: two XLS-3-60's



XYZ: three XLS-1-40's



XYTheta: two XLS-5-40's with an XRT-U-30



XYTheta: an XRT-U-40 on two XLS-5-60's



ZTheta: an XRT-U-40 on a XVP-80



XYZ: two XLS-5-120's with an XLS-5-60



ThetaTheta: a XRT-U-40 on an XRT-U-60

XERYON
Parallel Mounting

Top Stage

Linear Stages

Rotation Stages

XLS-1

XLS-3

XRT-U

30

40-80

40-120

25

30

40

60

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

Bottom Stage

	= 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

R S
T-bracket

R S
T-bracket

XLS-3

40-120

XYZ L

XYZ L

XYZ L

R S
T-bracket

R S
T-bracket

R L

Rotation Stages

XRT-U

25

R S

R S

R S

R S

30

R S

R S

R S

R S

R L

40

R L

R L

R L

R L

R L

60

Vertical Lifting
Platforms: XVP

80

 = 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