



## How to work with Cobra Expo

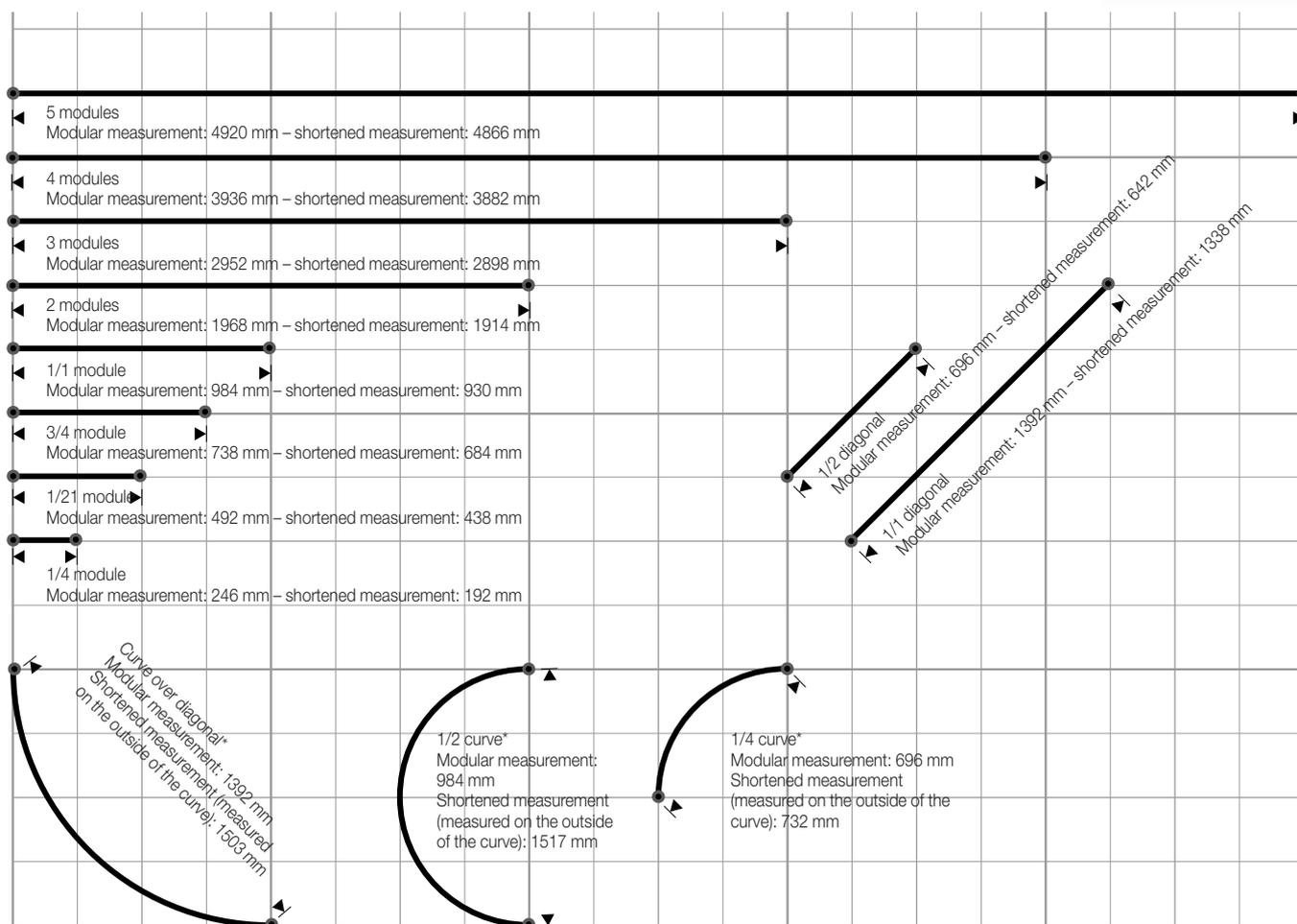


**SYSTEM STANDEX®**



# The modular system

Cobra Expo by System Standek is a complete exhibition system which is simple to design and easy to work with. The lengths of cross rails have been adapted to a module length of 984 mm between the centre of uprights. Cross rails are available in heights of 50 and 150 mm. The shortened measurements and modular measurements for cross rails in standard lengths are indicated in the diagram. Cross rails can also be shortened to individual measurements.



\* curves are only available for 50 mm cross rails

## Measurements for cutting panels

Examples of panel measurements in mm, width x height

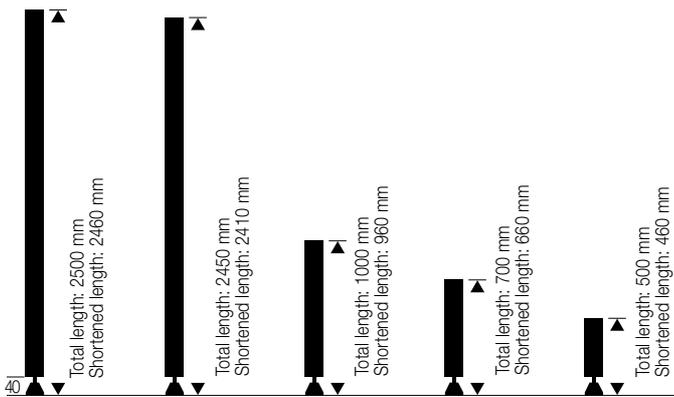
In the table you can see the final panel measurements for the most commonly used combinations of cross rails and uprights. Panels should be cut to an accuracy of  $\pm 2$  mm.

| Length of upright<br>inc. adjustable<br>foot | Height of cross rails | Length of cross rails |            |            |            |            |           |  |
|--|-----------------------|-----------------------|------------|------------|------------|------------|-----------|--|
|  |                       | 1/4 module            | 1/2 module | 3/4 module | 1/1 module | 2 modules  | 3 modules |  |
| 2500 mm                                      | 2 x 50 mm             | 214 x 234             | 460 x 2374 | 706 x 2374 | 952 x 2374 |            |           |  |
|  | 50 + 150 mm           | 214 x 2274            | 460 x 2274 | 706 x 2274 | 952 x 2274 |            |           |  |
| 2450 mm                                      | 2 x 50 mm             | 214 x 2324            | 460 x 2324 | 706 x 2324 | 952 x 2324 |            |           |  |
|  | 50 + 150 mm           | 214 x 2224            | 460 x 2224 | 706 x 2224 | 952 x 2224 |            |           |  |
| 1000 mm                                      | 2 x 50 mm             | 214 x 874             | 460 x 874  | 706 x 874  | 952 x 874  |            |           |  |
| 700 mm                                       | 2 x 50 mm             | 214 x 574             | 460 x 574  | 706 x 574  | 952 x 574  | 1936 x 574 | 2920 x    |  |
| 500 mm                                       | 2 x 50 mm             | 214 x 374             | 460 x 374  | 706 x 374  | 952 x 374  | 1936 x 374 | 2920 x    |  |
| <b>Sign friezes</b>                          |                       |                       |            |            |            |            |           |  |
| 300 mm                                       | 2 x 50 mm             | 214 x 214             | 460 x 214  | 706 x 214  | 952 x 214  | 1936 x 214 | 2920 x    |  |



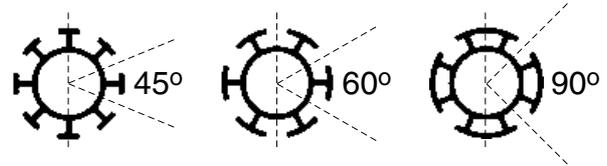
# Complete uprights with adjustable foot

The diagram shows shortened lengths and total lengths for fully assembled uprights in standard lengths. Uprights can also be shortened to individual measurements.



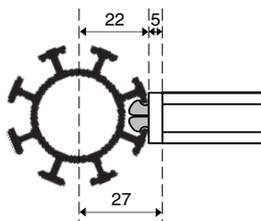
## Cylindrical uprights with 8, 6 or 4 channels

Uprights are supplied with 8, 6 or 4 channels. This allows stands to be designed with a wide variety of angles. The principal dimensions of the uprights are always the same.



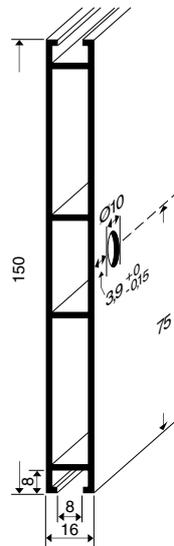
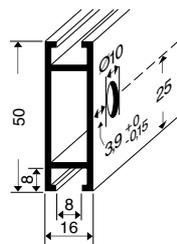
# Shortening and fitting connectors on cross rails

Shortening is best performed with a crosscut saw, but can be done with a standard hacksaw. It is vital that the holes for connectors are drilled precisely in accordance with the stated measurements.



## Module line

The measurement for shortening special lengths is calculated as being 54 mm less than the distance between the module lines (27 mm on each side).



After shortening, the cross rails must be fitted with nylon connectors and joints.

## Connector



## Joint

## Drilling tool

It is easiest to position the screws for the joints precisely using a System Standex drilling tool.



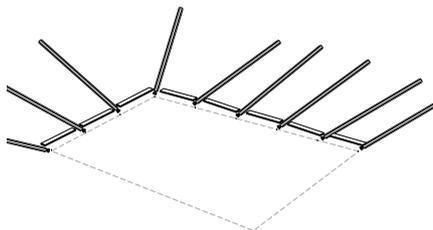
## Screw for joint



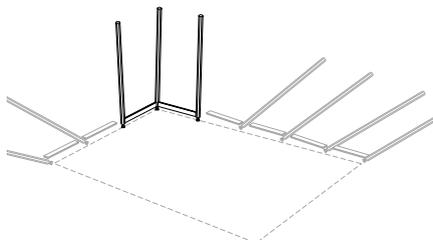
| Modules | 4 modules  | 5 modules  | 1/2 diagonal             | 1/1 diagonal               | Curve over diagonal        | 1/2 curve                  | 1/4 curve                |
|---------|------------|------------|--------------------------|----------------------------|----------------------------|----------------------------|--------------------------|
|         |            |            | 664 x 2374<br>664 x 2274 | 1360 x 2374<br>1360 x 2274 | 1515 x 2374<br>1515 x 2274 | 1528 x 2374<br>1528 x 2274 | 744 x 2374<br>744 x 2274 |
|         |            |            | 664 x 2324<br>664 x 2224 | 1360 x 2324<br>1360 x 2224 | 1515 x 2324<br>1515 x 2224 | 1528 x 2324<br>1528 x 2224 | 744 x 2324<br>744 x 2224 |
|         |            |            | 664 x 874                | 1360 x 874                 | 1515 x 874                 | 1528 x 874                 | 744 x 874                |
| 574     | 3904 x 574 | 4888 x 574 | 664 x 574                | 1360 x 574                 | 1515 x 574                 | 1528 x 574                 | 744 x 574                |
| 374     | 3904 x 374 | 4888 x 374 | 664 x 374                | 1360 x 374                 | 1515 x 374                 | 1528 x 374                 | 744 x 374                |
| 214     | 3904 x 214 | 4888 x 214 | 664 x 214                | 1360 x 214                 | 1515 x 214                 | 1528 x 214                 | 744 x 214                |

See the entire product range with product numbers in the catalogue brochure for Cobra Expo.

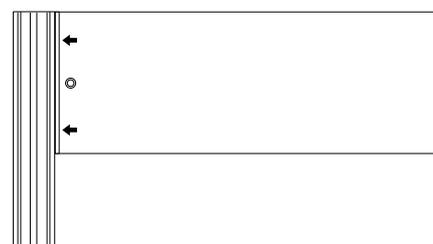
# Tips on assembly



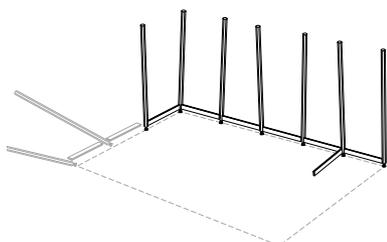
1. Lay out uprights and base cross rails on the floor where the stand is to be built.



2. Begin the assembly with uprights and base cross rails in a corner of the stand.



3. The screws for the joints for the cross rails should face the back of the stand wall. The cross rails should be held close to the upright before the screws of the joint are tightened in order to ensure that the joints catch the channels in the upright. Do not over-tighten the screws of the connector.



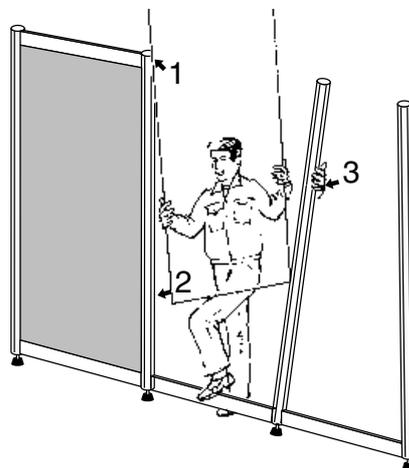
4. A cross rail should be temporarily fitted sideways for every fourth module to support the construction from below.



5. The lower edge of the cross rail is adjusted to the upper edge of the plug of the upright.

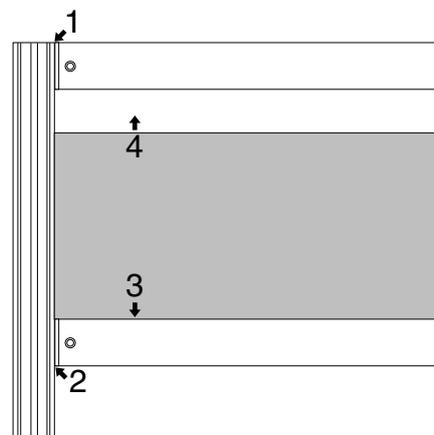
6. The entire basic frame should be built up in this way.

7. Diagonals, shelf supports and other accessories can be fitted most easily before the panels are fitted.

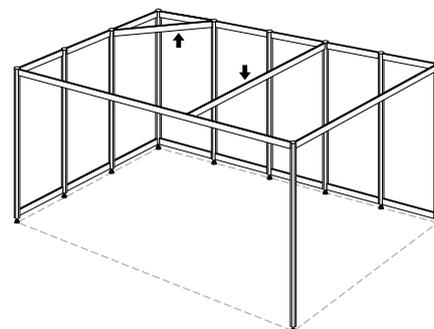


8. Fit the panels. Lift the panel 60-70 cm and support it using your thigh while fitting it onto the channel on the upright next to the previously fitted panel. Grasp the free upright and allow the panel to catch the channels of the upright. Let the panel slide down into the base cross rail.

9. Fit the top cross rail as the panels are fitted.



10. Friezes are easiest to fit if the top cross rail is fitted first. The base cross rail should then be fitted a little too low temporarily. The panel should be placed in the base cross rail, after which the panel and base cross rail should be pushed up against the top cross rail. The screws should then be tightened.



11. For large, open stands, the construction is reinforced using diagonal supporting frames and cross bracing for long friezes.

12. Complete by tightening or loosening the adjustable foot on uprights to compensate for any unevenness in the floor.

## Dismantling

The display stand should be dismantled in reverse order. Begin by removing the top cross rail. Lift panels at least 50 cm before pulling them out of the tracks on uprights. This avoids damaging the panels.

Good luck!

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