



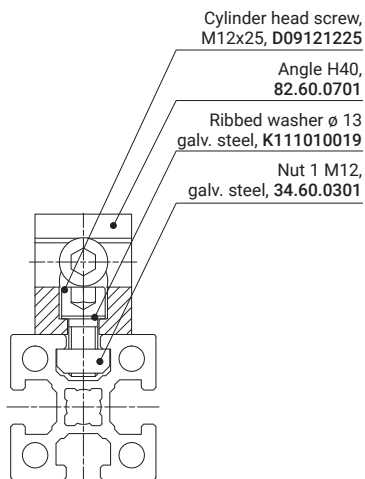
Series 60 Profiles

Basic Profiles

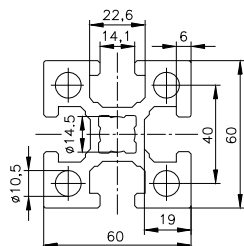
Series 60 profiles are based on a grid dimension of 60 x 60 mm. They are generally used for large gantries and machine frames subject to the heaviest loads, applications which are usually reserved for steel constructions. The slot width of 14 mm and slot depth of 19 mm are designed for use with DIN M12 screws. However, M6, M8 and M10 screws can also be used. The profile's bore channels are designed for tapping threads or for inserting a threaded insert or HELICOIL.

Material: Anodised aluminium

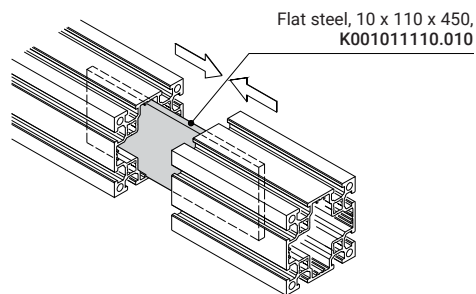
Example of fastening with an angle



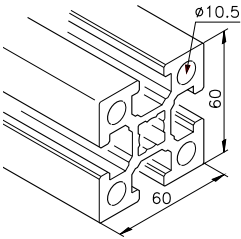
Standard profile dimensions for the example of mk 2060.01



Example of fastening with flat steel



A flat steel plate can be inserted to join two profiles at their faces. Screw connections are used to fasten the profiles. The steel plate should extend into each profile a distance of at least twice its width.

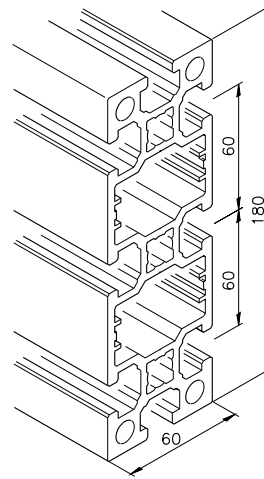


Profile mk 2060.01

4.31 kg/m

Stock length	60.01.5100
Cut	60.01.

End machining	Item no.
α and β	6001AF...
4 x M12	6001AA....
4 x M12	6001AB....
M12	B60.01.606....

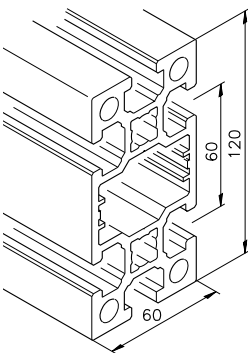


Profile mk 2060.03

9.57 kg/m

Stock length	60.03.5100
Cut	60.03.

End machining	Item no.
4 x M12	6003AB....

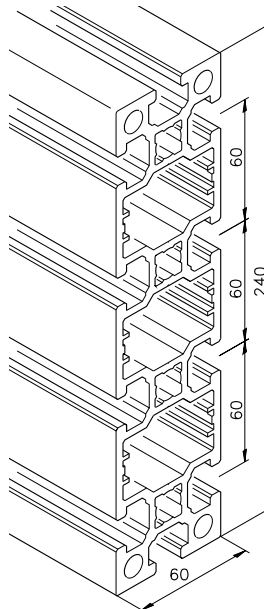


Profile mk 2060.02

6.95 kg/m

Stock length	60.02.5100
Cut	60.02.

End machining	Item no.
4 x M12	6002AA....
4 x M12	6002AB....
4 x M8	B60.02.601....



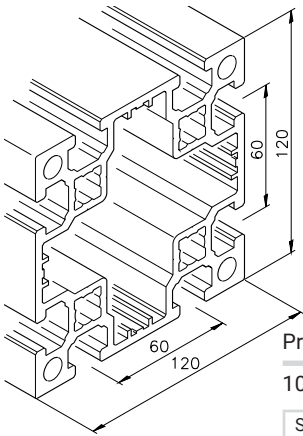
Profile mk 2060.04

12.20 kg/m

Stock length	60.04.5100
Cut	60.04.

Series 60 Profiles

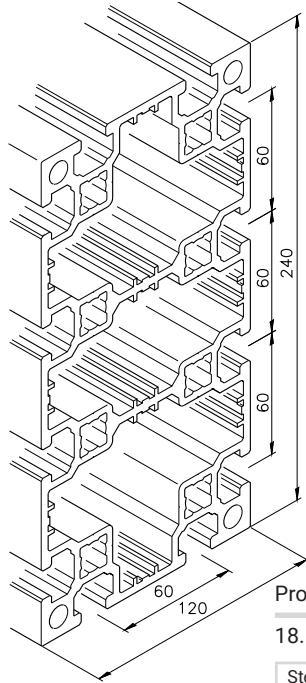
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Profile mk 2060.05

10.30 kg/m

Stock length	60.05.5100
Cut	60.05.

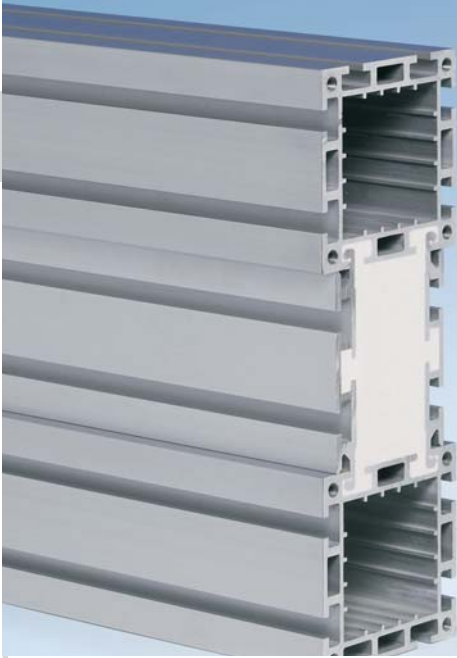


Profile mk 2060.07

18.10 kg/m

Stock length	60.07.5100
Cut	60.07.

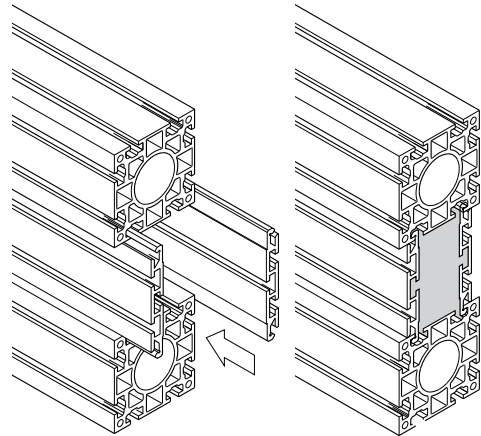
End machining		Item no.
	4 x M12	6005AA....
	4 x M12	6005AB....
	4 x M12	B60.05.605....



Foamed Combined Profiles

Foamed combined profiles are combinations of Series 40, 50 or 60 profiles and special connection profiles that are filled with foam. Filling the hollow spaces between the profiles with foam permanently binds the profiles together. This results in beams that are custom-tailored to the particular application and that can withstand even dynamic loads.

They are frequently used as columns and beams for gantries and machine frames with high loads, span widths and vibrations and as beams for long, heavy linear axes.



The 300 x 100 mm foamed profile shown here is built from mk 2011 and mk 2067 profiles and exhibits similar deflection to an IPE 220 steel T-beam with dimensions of 220 x 110 mm.

The properties of the combined profiles shown below are available on request.