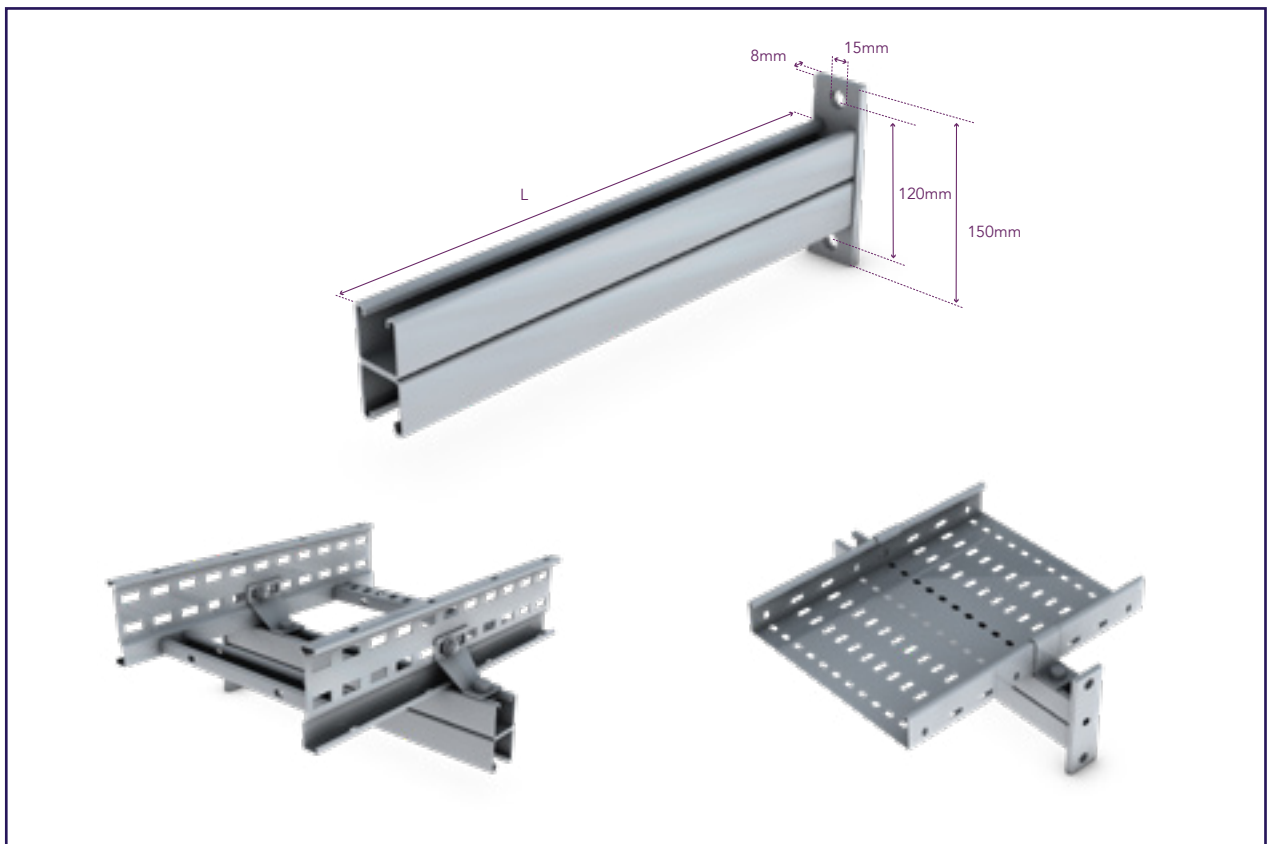# CANTILEVER ARMS

Back to Back Channel Cantilever Arm

The Double Channel Cantilever Arm Bracket (IC-CARM-BB) is suitable for supporting medium to heavy loads. The double channel cantilever arm bracket is available in lengths from 150mm to 1200mm for supporting Speedway cable ladder and cable tray. Where heavier load carrying performance is required, the double channel cantilever bracket can be reinforced using a cantilever arm prop (IC-CARM-BB). The double channel cantilever arm bracket, based on conventional back to back strut profiles, is suitable for use with Speedway External Flange Clamps (SW-EFC-#), Adaptable Fixing Brackets (SW-AFB-#) and Hold Down Brackets (SW-HDB-#) for Speedway Cable Ladder and for Cable Tray is suitable for use with the tray hold down bracket (HDB) or for direct fixing through the bed of the cable tray using conventional M6 channel nuts.

Safety Factor of 3.

The loading table below gives the recommended maximum load for each size of double channel cantilever arm bracket for supporting uniformly distributed loads (UDL) such as cable tray or for supporting Speedway Cable Ladder (which should be uniformly loaded to apply two equal point loads onto the cantilever arm).

Part Number	L (mm)	Max. UDL (kg)
IC-CARM-BB-P-150-○	150	398
IC-CARM-BB-P-300-○	300	398
IC-CARM-BB-P-450-○	450	285
IC-CARM-BB-P-600-○	600	221
IC-CARM-BB-P-750-○	750	181
IC-CARM-BB-P-900-○	900	153
IC-CARM-BB-P-1050-○	1050	133
IC-CARM-BB-P-1200-○	1200	117

○ **= Select a Finish & Material**

Finishes & Materials:

GM **SS**

Support Channel · Cable Ladder
Bracketry Beam · Cable Tray
Concrete Inserts · Steel Framing
Accessories
Supports · Mounting Frame
Fixings
Bespoke
Engineering
Index

175

Back to Back Channel Cantilever Arm (Continued)

Longer cantilever arm lengths are available for use as part of a pendant assembly where the double channel cantilever arm bracket is suspended vertically to create a support system in conjunction with cantilever arms as shown. Consult our Design Team for loading information.

Typical pendant assembly comprising of IC-CARM-BB cantilever arm brackets

IC-CARM-BB Cantilever with Adaptable Fixing Brackets installed externally

IC-CARM-BB Cantilever with Adaptable Fixing Brackets installed internally

IC-CARM-BB Cantilever with External Flange Clamps

IC-CARM-BB Cantilever with Hold Down Brackets
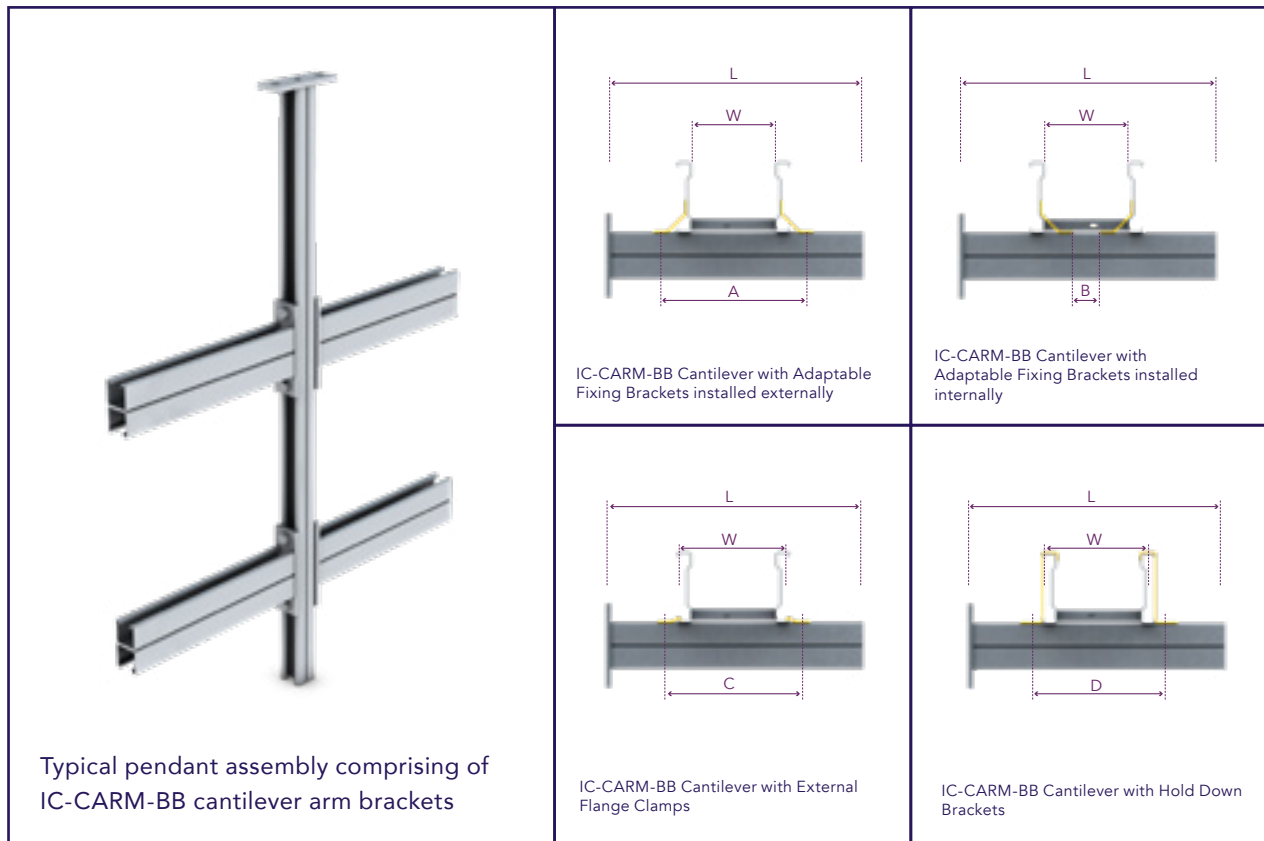
Ladder Type	SW4	SW5	SW6
A	W + 102mm	W + 107mm	
B	W + 83mm	W - 79mm	
C	W + 79mm	W + 89mm	
D	W + 123mm	W + 134mm	
L	W + 150mm		

HOW TO ORDER IC – PROP – 300-450 – GM

System Type Product Group Length Finish