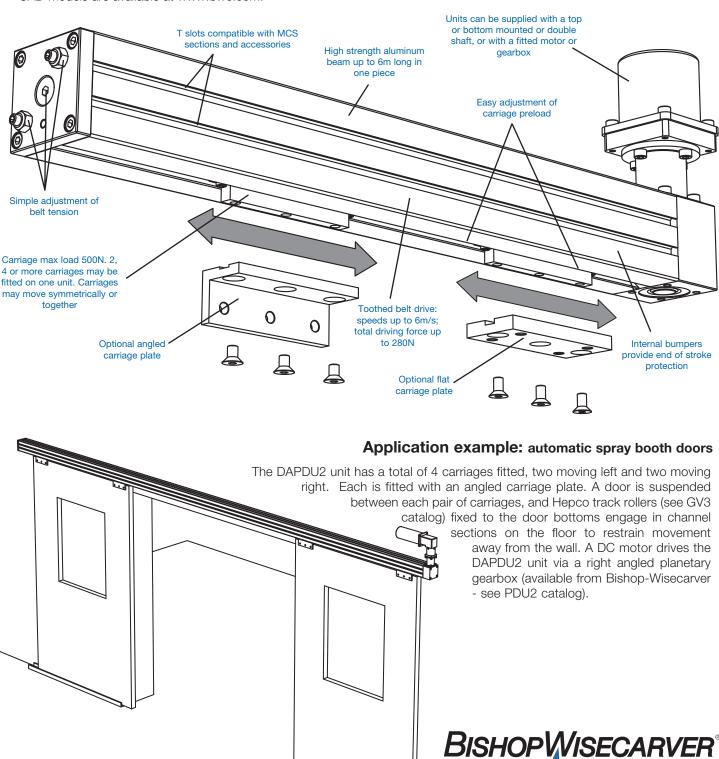
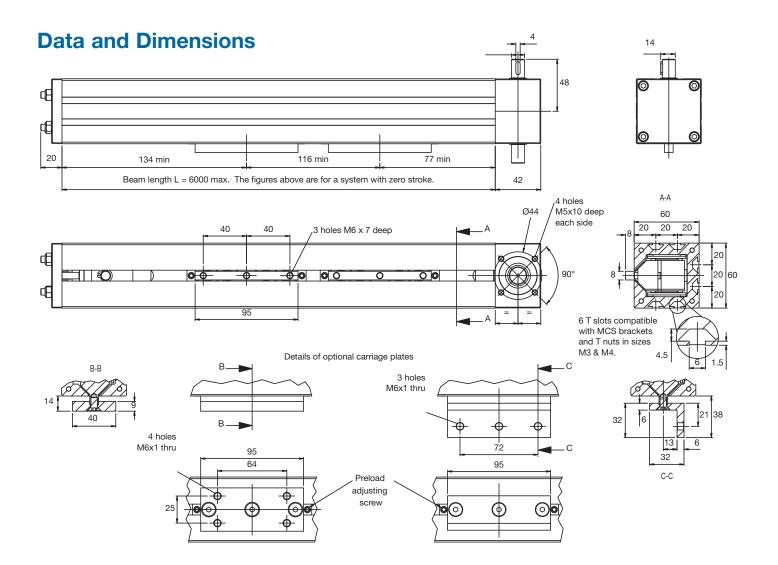
HepcoMotion[®] DAPDU2 Double Acting Profile Drive Unit

The HepcoMotion DAPDU2 unit is built on a robust aluminum beam with two or more carriages running inside. These carriages use the same Herculane[®] wheels that are in the popular Hepco PDU2 unit and give excellent load capacity and durability with quiet operation. The carriages are driven by a strong, accurate toothed belt and move symmetrically. Units are compatible with HepcoMotion MCS framework system, and with other driven products including the PDU2.

Note that the underside of the unit is open, and the correct orientation should be observed to prevent debris ingress.

This data sheet gives a brief overview of the product. Other useful information on applications, calculations, etc. is included in Hepco PDU2 and DLS catalogs. Further details may be obtained from Bishop-Wisecarver's Technical Sales Department. 3D CAD models are available at www.bwc.com.

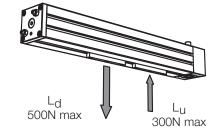




Load Capacities

The DAPDU2 is designed to for direct loads L_d and L_u (see diagram). Each carriage can take 500N in the L_d direction or 300N in the L_u direction. Under normal loading conditions, the DAPDU2 should not require attention, but at maximum load, adjustment after 5000km may be necessary. It is advisable to design with capacity in hand for a long, trouble-free life. DAPDU2 units have limited moment and lateral load capacities, and it is recommended that the application is designed to minimize such loads.

Other technical details including gearing, optional couplings, motor fixing kits, T nuts, brackets, etc. are the same as for the HepcoMotion PDU2. Please refer to the PDU2 catalog for full details, or contact Bishop-Wisecarver.



Note that units with more than 2 carriages will require a sketch to show the required carriage postions.



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