

item

Press note

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Product innovation Spring 2006: RS Strut elements

Put new functions into practice with the RS Building Kit System: Strut elements for load-bearing constructions

Linear design principles are a key feature of item's RS Building Kit System. The underlying philosophy of this revolutionary construction principle was and is the joining of high-quality stainless steel tubes without obtrusive joints. To add further stability to these constructions, item now offers two new strut elements for use whenever a construction is to be subjected to considerable loads or torsional forces.

Using Strut Hinges D40/D20 and a section of Tube D20, a sturdy cross-member can be fitted to form a support, either from above or below, on constructions made from basic Tubes D40. The angle and length of the strut can be selected as required. The Strut Hinge D40/D20 consists of two joint elements which connect the slim struts to the base construction at both ends. Depending on the specific application, the struts can transmit tensile or compressional forces. The joints are attached to the Tubes D40 using M6 Nuts.



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The Tie Rods D6 are designed specifically for tensile loads. They, too, are used for stabilising a frame structure made from Tubes D40. They can be manufactured to any length and are attached using special-purpose anchor points which can be fixed at any point of the Tubes.

Tie Rod D6 is cut to the required length and an M6 thread cut (length 20 mm) on the end to accommodate a tie rod turnbuckle. The tie rods are tensioned by tightening the turnbuckles.

The Tie Rod connectors on the Tubes D40 can accommodate several tie rods. This creates nodes which stabilise any tubular construction. The attractive design of these functional elements enables constructions of this type to be placed quite deliberately in places where they will be seen.

Tie rod connectors can be attached radially to Tubes D40 (using an M8 Nut in the tube) or longitudinally at the end of the tube (in an M38x1.5 tapped bore).



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Figure: RS-0196c4.tif