

## Fixing sockets – Cast-in Tube sockets

Cast-in Tube sockets provide threaded fixings in finished concrete units with a typical strength of 30 N/mm<sup>2</sup>. They are a single point fixing without tolerance and are not recommended where accuracy of fixing position is required or where tolerances cannot be accommodated by other components.

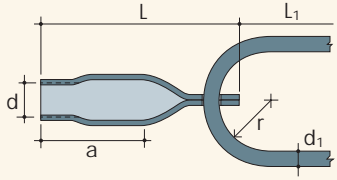
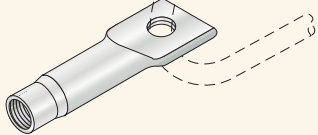
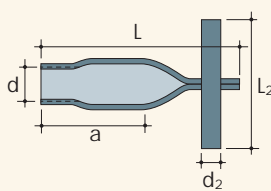
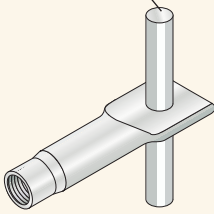
Tube sockets are the most economic socket and are commonly used in precast fixing applications.

Tube sockets are available in mild steel, bright zinc plated, and stainless steel 304 (A2). For stainless grade 316 please contact Halfen Ltd.

Sockets may be attached to timber formwork using plastic nailing plates, normally type PXNP, (see page 15 for details) or with standard hex head bolts.

Allowable safe working loads are after applying a safety factor of approximately 3.5 on test data. Loads assume that the socket is cast within a cage of reinforced concrete. For unreinforced concrete please consult Halfen Ltd.

These sockets are not suitable for lifting.

Dimensions and load capacity										
<b>Cast-in Tube Sockets – Code PK</b>  <p>Anchorage reinforcement tail essential on all sizes M10 and greater</p> 					<b>Tube Socket with dowel – Code PJ</b>  <p>Dowel</p> 					
<b>Bright zinc plated mild steel</b> Thread type and diameter d x L Order code Dimensions a mm d1 mm r mm L1 mm					<b>Bright zinc plated mild steel</b> Order code Dimensions a mm d2 mm L2 mm				Allowable load (30 N/mm <sup>2</sup> concrete) kN	
M6 x 35	PK206040	20	5	20	150	–	–	–		1.5
M8 x 35	PK208040	25	5	20	150	–	–	–	2.0	
M10 x 45	PK210050	20	6	25	250	PJ210050	20	6	50	3.5
M12 x 60	PK212060	30	6	25	250	PJ212060	30	6	50	5.0
M16 x 70	PK216070	25	8	33	300	PJ216070	25	8	60	7.0
M16 x 100	PK216100	30	10	40	300	PJ216100	30	10	80	8.0
M20 x 100	PK220100	40	12	45	350	PJ220100	40	12	100	12.5
M24 x 120	PK224120	50	12	45	400	PJ224120	50	12	100	18.0
M30 x 150	PK230150	65	16	65	500	–	–	–	–	27.5
<b>Stainless steel (austenitic grade 304)</b> Thread type and diameter d x L Order code Dimensions a mm d1 mm r mm L1 mm					<b>Stainless steel (austenitic grade 304)</b> Order code Dimensions a mm d2 mm L2 mm				Allowable load (30 N/mm <sup>2</sup> concrete) kN	
M8 x 40	PK708040	10	5	20	150	–	–	–		2.0
M10 x 50	PK710050	24	6	25	250	PJ710050	24	6	50	3.5
M12 x 60	PK712060	25	6	25	250	PJ712060	25	6	50	5.0
M16 x 80	PK716080	30	10	33	300	PJ716080	30	10	80	7.0
M16 x 100	PK716100	50	10	40	300	PJ716100	50	10	80	8.0
M20 x 100	PK720100	30	12	45	350	PJ720100	30	12	100	12.5
M24 x 120	PK724120	40	12	45	400	PJ724120	40	12	120	18.0