

## CAST-IN ANCHOR FOR FIXING &amp; FASTENING

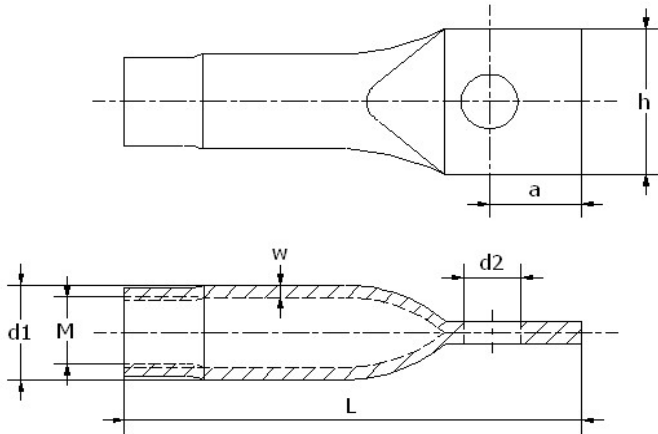


TABLE 1

| Anchor size        | d1<br>mm | a<br>mm | h<br>mm | d2<br>mm | w<br>mm | Cross-pin<br>Dia.<br>mm | Cross-pin<br>length<br>mm | Allowable<br>Load<br>Tension<br>kN | Allowable<br>Load<br>Shear<br>kN | Minimum<br>edge<br>distance *<br>mm | Minimum<br>anchor<br>spacing *<br>mm |
|--------------------|----------|---------|---------|----------|---------|-------------------------|---------------------------|------------------------------------|----------------------------------|-------------------------------------|--------------------------------------|
| <b>6850-12-60</b>  | 17       | 15      | 24.5    | 8.3      | 2       | 8                       | 70                        | 6.3                                | 8.8                              | 90                                  | 180                                  |
| <b>6850-16-70</b>  | 21.5     | 20      | 30.2    | 12.4     | 2.5     | 12                      | 100                       | 7.3                                | 14.5                             | 105                                 | 210                                  |
| <b>6850-16-100</b> | 21.5     | 20      | 30.2    | 12.4     | 2.5     | 12                      | 100                       | 14.9                               | 14.5                             | 150                                 | 300                                  |
| <b>6850-20-100</b> | 27       | 22      | 39      | 14.4     | 3       | 14                      | 120                       | 14.3                               | 17.6                             | 150                                 | 300                                  |
| <b>6850-24-120</b> | 33.8     | 25      | 49      | 14.4     | 4       | 14                      | 120                       | 19.3                               | 25.4                             | 240                                 | 480                                  |

\* If edge distance and anchor spacing in precast concrete unit could not be met as per the table, please consult us for more details and supports.

In the case of combined tensile and shear loading, allowable load is considered as below

$$\frac{\text{Allowable Load (Tensile)}}{\text{Pure Tensile Load}} + \frac{\text{Allowable Load (Shear)}}{\text{Pure Shear Load}} \leq 1.2$$

In convenience, allowable loads for tension and shear can be found in diagram below