

Lintels for Heavy Duty applications

CD25 range

CD25 Lintels are the HEAVIEST DUTY cavity lintels available in all stainless! Also ideal for supporting thicker inner leaf masonry, they are very easy to use, guaranteeing a full strength installation.

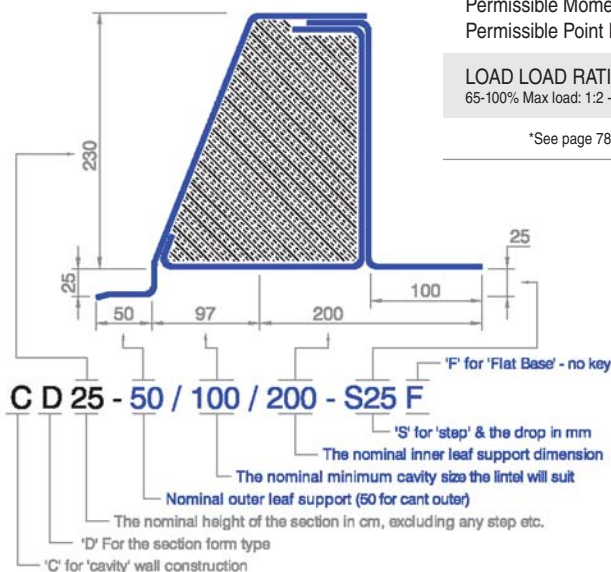
Specification table for CD25 Lintels

| Nominal cavity size (mm) | Nominal inner leaf (mm) | SPECIFY | Overall Height (mm) | Overall Width (mm) | Steel Gauge (mm) | Mass (kg/m) | Form Type | Ixx (cm ⁴) | Zxx (cm ³) |
|--------------------------|-------------------------|------------------|---------------------|--------------------|------------------|-------------|-----------|------------------------|------------------------|
| 47-56 | 100-115 | CD25-100/50/100 | 260 | 242 | 4.0 | 34.0 | 2 | 3615 | 241.0 |
| | 125-140 | CD25-100/50/125 | 229 | 267 | 4.0 | 34.4 | 2 | 3201 | 254.1 |
| | 190-215 | CD25-100/50/175 | 229 | 332 | 4.0 | 37.2 | 2 | 3594 | 278.6 |
| 57-71 | 100-115 | CD25-100/60/100 | 260 | 252 | 4.0 | 35.2 | 2 | 3890 | 264.6 |
| | 125-140 | CD25-100/60/125 | 229 | 277 | 4.0 | 35.6 | 2 | 3408 | 296.3 |
| | 190-215 | CD25-100/60/175 | 229 | 342 | 4.0 | 37.2 | 2 | 3536 | 267.9 |
| 72-84 | 100-115 | CD25-100/75/100 | 260 | 267 | 4.0 | 36.2 | 2 | 4110 | 281.5 |
| | 125-140 | CD25-100/75/125 | 229 | 292 | 4.0 | 35.0 | 2 | 3271 | 251.6 |
| | 190-215 | CD25-100/75/175 | 229 | 357 | 4.0 | 37.4 | 1 | 3546 | 264.6 |
| 85-96 | 100-115 | CD25-100/90/100 | 229 | 280 | 4.0 | 35.5 | 2 | 3384 | 270.7 |
| | 125-140 | CD25-100/90/125 | 229 | 305 | 4.0 | 35.8 | 2 | 3403 | 261.8 |
| | 190-215 | CD25-100/90/175 | 229 | 370 | 4.0 | 38.2 | 1 | 3647 | 272.2 |
| 97-119 | 100-115 | CD25-100/100/100 | 229 | 292 | 4.0 | 36.7 | 2 | 3592 | 292.0 |
| | 125-140 | CD25-100/100/125 | 229 | 317 | 4.0 | 35.5 | 1 | 3276 | 244.5 |
| | 190-215 | CD25-100/100/175 | 229 | 382 | 4.0 | 38.7 | 1 | 3691 | 273.4 |
| 120-139 | 100-115 | CD25-100/120/100 | 229 | 317 | 4.0 | 35.5 | 1 | 3276 | 244.5 |
| | 125-140 | CD25-100/120/125 | 229 | 340 | 4.0 | 36.5 | 1 | 3379 | 250.3 |
| | 190-215 | CD25-100/120/175 | 229 | 405 | 4.0 | 39.8 | 1 | 3818 | 280.7 |
| 140-160 | 100-115 | CD25-100/140/100 | 229 | 340 | 4.0 | 36.5 | 1 | 3379 | 250.3 |
| | 125-140 | CD25-100/140/125 | 229 | 360 | 4.0 | 37.3 | 1 | 3458 | 254.2 |
| | 190-215 | CD25-100/140/175 | 229 | 425 | 4.0 | 40.6 | 1 | 3863 | 284.0 |

NOTES: CD lintels generally come in one of two forms depending on the cavity size (see below opposite). Only type 1 lintels do not require a separate DPC and are supplied with separate stop-ends to be installed on site*. The inner leaf should not overhang the lintel more than 15mm; specify a special to avoid excessive overhang if needed.

The usual custom specifications are available, an example is shown here:

The CD lintels effectively support very wide inner leaves, but are generally designed for a 100mm first course of inner leaf masonry. Specifying your own ensures a precise fit with your wall. These custom lintels have the same lead time as the standard ones!



Allowable load for all CA25 Lintels*

| Opening Span | Lintel Length | Max total load (kN)* | Load Example (see pg 85) |
|--------------|---------------|----------------------|--------------------------|
| 900 | 1200 | 120.0 | masonry & concrete floor |
| 1200 | 1500 | 130.0 | |
| 1500 | 1800 | 140.0 | |
| 1650 | 1950 | 140.0 | |
| 1800 | 2100 | 140.0 | |
| 1950 | 2250 | 140.0 | |
| 2100 | 2400 | 140.0 | |
| 2250 | 2550 | 140.0 | |
| 2400 | 2700 | 140.0 | |
| 2550 | 2850 | 140.0 | |
| 2700 | 3000 | 133.4 | |
| 2850 | 3150 | 126.7 | |
| 3000 | 3300 | 120.7 | masonry & tiled roof |
| 3150 | 3450 | 115.2 | |
| 3300 | 3600 | 110.2 | |
| 3450 | 3750 | 105.6 | |
| 3600 | 3900 | 101.4 | |
| 3750 | 4050 | 97.1 | |
| 3900 | 4200 | 89.8 | masonry & timber floor |
| 4050 | 4350 | 83.3 | |
| 4200 | 4500 | 77.4 | |
| 4350 | 4650 | 72.2 | |
| 4500 | 4800 | 67.5 | |
| 4650 | 4950 | 63.2 | full height masonry |
| 4800 | 5100 | 59.3 | |
| 4950 | 5250 | 55.7 | |
| 5100 | 5400 | 52.5 | |
| 5250 | 5550 | 49.6 | |
| 5400 | 5700 | 46.8 | |
| 5550 | 5850 | 44.3 | |
| 5700 | 6000 | 42.0 | |
| 5850 | 6150 | 39.9 | |
| 6000 | 6300 | 37.9 | |
| 6150 | 6450 | 36.1 | |
| 6300 | 6600 | 34.4 | |
| 6450 | 6750 | 32.8 | |
| 6600 | 6900 | 31.4 | 440mm of masonry |
| 6750 | 7050 | 30.0 | |
| 6900 | 7200 | 28.7 | |
| 7050 | 7350 | 27.5 | |
| 7200 | 7500 | 26.3 | |

Shorter & Intermediate lengths can be produced

Permissible Moment*: 475 kN.m
Permissible Point Load*: 54.0 kN

LOAD RATIO LIMITS* (OUTER : INNER)
65-100% Max load: 1:2 - 1:29 OR < 65% Max Load: 1:1 - 1:29

*See page 78 for loading & Installation guide