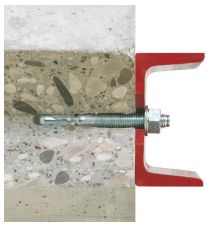
# Technical Sheet

FM-753 3DG
**Heavy Duty Wedge Anchor**

Heavy-duty wedge anchor for the medium load range, in sizes M8 - M20 for anchoring in non-cracked concrete C20/25 - C50/60. With coating 3DG







## Features

### Material

- Steel
- Special anti-corrosion coating 3DG with matte finish

### Benefits

- Wide range
- Easy installation
- Versatile
- Cold forged anchor body
- Increased thickness of three expander segments
- Six teeth and anti-slip ridge to prevent slip during tightening

## Applications

### Applications

- Railings
- Metal and wood carpentry
- Facades

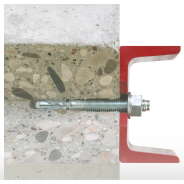
### Suitable for

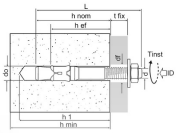
- Non-cracked concrete
- Solid stone

# Technical Sheet

FM-753 3DG
**Heavy Duty Wedge Anchor**

# Technical Data





## Product dimensions

**Product dimensions**
See full table online ➡️

| Reference | | | | | | | | | | | Product Dimensions[mm] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | [$t_{fix,max}$] with | [$t_{fix,max}$] with | Hole | Hole diameter | Min. setting | | Qty | | Product Reference | | Thread |
| 75320C1007500 | | | | | | | | | | | | |
| 75320C1210000 | | | | | | | | | | | | |

## Design capacities - single anchor - no edge distances

**Design capacities - single anchor - no edge distances**
See full table online ➡️

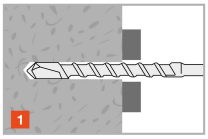
| Reference | Metallic fixings dimensions | | Metallic fixings loads | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Product Dimensions[mm] | | Design capacity - Non-cracked concrete (3)[kN] | | | | | | | | |
| | | | | | | | | | | VRd (1-2)[kN] | |
| | | | | | | | | | | C40/50[kN] | C50/60 |
| 75320C1007500 | | | | | | | | | | - | - |
| 75320C1210000 | | | | | | | | | | - | - |

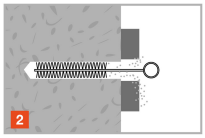
## Recommended capacities - single anchor - no edge distances

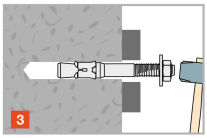
**Recommended capacities - single anchor - no edge distances**
See full table online ➡️

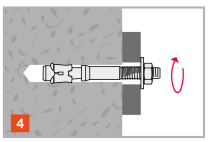
| Reference | Metallic fixings dimensions | | Metallic fixings loads | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Product Dimensions[mm] | | Recommended loads - Non-cracked concrete | | | | | | | | |
| | | | | | | | | | | r - $V_{rec}$[kN] | |
| | | | | | | | | | | C40/50[kN] | C50/6 |
| 75320C1007500 | | | | | | | | | | 6.6 | 6. |
| 75320C1210000 | | | | | | | | | | 9.6 | 9. |

# Installation




## Spacing, and Edge Distances

| Reference | Metallic fixings dimensions | | Installation data | | | |
|---|---|---|---|---|---|---|
| | Product Dimensions[mm] | Product Reference | Spacing and edge distances | | | |
| | Dimensions[mm] | | Min. edge distance[mm] | Min. spacing[mm] | Characteristic spacing(5) - Scr,N[mm] | Characteristic edge distance[mm] |
| 75320C1007500 | M10x75 | FM-753 3DG | 55 | 55 | 150 | 75 |
| 75320C1210000 | M12x100 | FM-753 3DG | 90 | 90 | 180 | 90 |
| 75320C1614500 | M16x145 | FM-753 3DG | 130 | 130 | 255 | 130 |

* Not included in the approval

## Installation data

| Reference | Metallic fixings dimensions | | | Installation data | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Product Dimensions[mm] | | Product Reference | Installation data | | | | | Spacing and edge distances |
| | Dimensions[mm] | Wrench size[mm] | | Ø drilling hole[mm] | Min. drill depth[mm] | Ø drilling fixture[mm] | Installation torque[Nm] | Embedment depth[mm] | Min. support thickness[mm] |
| 75320C1007500 | M10x75 | 17 | FM-753 3DG | 10 | 70 | 12 | 25 | 50 | 100 |
| 75320C1210000 | M12x100 | 19 | FM-753 3DG | 12 | 85 | 14 | 50 | 60 | 120 |
| 75320C1614500 | M16x145 | 24 | FM-753 3DG | 16 | 115 | 18 | 100 | 85 | 170 |

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