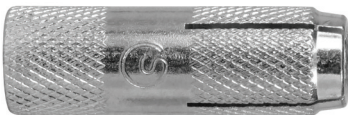


DI DROP-IN ANCHOR



FEATURES

- Medium load fixings.
- Anchor placement flush with the surface or deeper.
- Fixture detachable any time.
- Shallow embedment depth.
- Flexible in fixture thickness with variety sizes of hexagonal bolts.
- Suitable for anchoring in tension zone.

APPLICATIONS

Machine installation

- Mechanical pumps, genset and electrical switchgear.

Temporary work

- Steel truss for platform, wooden form structures and safety rings & nettings.
- Ideal for suspended type of fixtures such as piping, air ducts, cable tray and trunking.
- Securing of pipe brackets, rails and base plates.
- Temporary work such as steel truss for platform, wooden form structures and safety.

MATERIAL SPECIFICATIONS

- Carbon steel zinc galvanised $\geq 6\mu\text{m}$.
- Stainless steel 304 (A2) and 316 (A4).

RANGE OF LOADING

2.6 kN ~ 47.0 kN (SWL)



Medium loads

RANGE OF CONCRETE QUALITY

C20/25 ~ C50/60

BASE MATERIALS



Concrete



Concrete block
solid stone

► ORDERING DETAILS

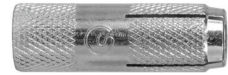
DI DROP-IN ANCHOR IMPERIAL AND METRIC THREAD WITH LIP - ZINC GALVANISED

| ANCHOR SIZE | ANCHOR LENGTH (mm) | THREAD LENGTH (mm) | FIXTURE HOLE DIAMETER (mm) | PACKING CONTENT (PCs.) | PRODUCT PART NO. |
|-------------|--------------------|--------------------|----------------------------|------------------------|------------------|
| 3/8" | 30 | 10 | 12 | 50 | DIW38L |
| M10 | 30 | 10 | 12 | 50 | DIM38L |



DI DROP-IN ANCHOR IMPERIAL THREAD - ZINC GALVANISED

| ANCHOR SIZE | ANCHOR LENGTH (mm) | THREAD LENGTH (mm) | FIXTURE HOLE DIAMETER (mm) | PACKING CONTENT (PCs.) | PRODUCT PART NO. |
|-------------|--------------------|--------------------|----------------------------|------------------------|------------------|
| 1/4" | 25 | 11 | 7 | 100 | DIW14 |
| 5/16" | 30 | 14 | 9 | 100 | DIW516 |
| 3/8" | 40 | 17 | 12 | 50 | DIW38 |
| 1/2" | 50 | 20 | 14 | 50 | DIW12 |
| 5/8" | 60 | 25 | 18 | 25 | DIW58 |
| 3/4" | 80 | 30 | 22 | 20 | DIW34 |



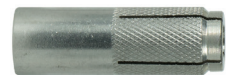
DI DROP-IN ANCHOR METRIC THREAD - ZINC GALVANISED

| ANCHOR SIZE | ANCHOR LENGTH (mm) | THREAD LENGTH (mm) | FIXTURE HOLE DIAMETER (mm) | PACKING CONTENT (PCs.) | PRODUCT PART NO. |
|-------------|--------------------|--------------------|----------------------------|------------------------|------------------|
| M6 | 25 | 11 | 7 | 100 | DIM6 |
| M8 | 30 | 14 | 9 | 100 | DIM8 |
| M10 | 40 | 17 | 12 | 50 | DIM10 |
| M12 | 50 | 20 | 14 | 50 | DIM12 |
| M16 | 60 | 25 | 18 | 25 | DIM16 |
| M20 | 80 | 30 | 22 | 20 | DIM20 |



DI DROP-IN ANCHOR METRIC THREAD - STAINLESS STEEL 304 (A2)

| ANCHOR SIZE | ANCHOR LENGTH (mm) | THREAD LENGTH (mm) | FIXTURE HOLE DIAMETER (mm) | PACKING CONTENT (PCs.) | PRODUCT PART NO. |
|-------------|--------------------|--------------------|----------------------------|------------------------|------------------|
| M6 | 25 | 11 | 7 | 100 | DIM6S |
| M8 | 30 | 14 | 9 | 100 | DIM8S |
| M10 | 40 | 17 | 12 | 50 | DIM10S |
| M12 | 50 | 20 | 14 | 50 | DIM12S |
| M16 | 60 | 25 | 18 | 25 | DIM16S |
| M20 | 80 | 30 | 22 | 20 | DIM20S |



DI DROP-IN ANCHOR METRIC THREAD - STAINLESS STEEL 316 (A4)

| ANCHOR SIZE | ANCHOR LENGTH (mm) | THREAD LENGTH (mm) | FIXTURE HOLE DIAMETER (mm) | PACKING CONTENT (PCs.) | PRODUCT PART NO. |
|-------------|--------------------|--------------------|----------------------------|------------------------|------------------|
| M6 | 25 | 11 | 7 | 100 | DIM6SS |
| M8 | 30 | 14 | 9 | 100 | DIM8SS |
| M10 | 40 | 17 | 12 | 50 | DIM10SS |
| M12 | 50 | 20 | 14 | 50 | DIM12SS |
| M16 | 60 | 25 | 18 | 25 | DIM16SS |
| M20 | 80 | 30 | 22 | 20 | DIM20SS |



SETTING TOOLS FOR DI DROP-IN ANCHOR

| ANCHOR SIZE | PACKING CONTENT (PCs.) | PRODUCT PART NO. |
|-------------|------------------------|------------------|
| M6 (1/4") | 1 | DST6 |
| M8 (5/16") | 1 | DST8 |
| M10 (3/8") | 1 | DST10 |
| M12 (1/2") | 1 | DST12 |
| M16 (5/8") | 1 | DST16 |
| M20 (3/4") | 1 | DST20 |



► INSTALLATION PERIMETER & LOADING DATA

DI DROP IN ANCHOR - ZINC GALVANISED

| ANCHOR SIZE | HOLE DIAMETER (mm) | MINIMUM HOLE DEPTH (mm) | MINIMUM CONCRETE THICKNESS (mm) | TIGHTENING TORQUE (Nm) | RECOMMENDED SPACING & EDGE DISTANCE TO FULL LOADS (mm) | | ABSOLUTE MINIMUM SPACING & EDGE DISTANCE (mm) | | RECOMMENDED LOAD (kN) | |
|-------------|--------------------|-------------------------|---------------------------------|------------------------|--|-------|---|-------|-----------------------|---------------------|
| | | | | | TENSION | SHEAR | TENSION | SHEAR | TENSION ¹⁾ | SHEAR ²⁾ |
| M6 (1/4") | 8 | 30 | 60 | 5 | 75 | 38 | 25 | 25 | 2.5 | 3.4 |
| M8 (5/16") | 10 | 35 | 70 | 10 | 90 | 45 | 30 | 30 | 3.4 | 6.3 |
| M10 (3/8") | 12 | 45 | 80 | 20 | 120 | 60 | 40 | 40 | 5.1 | 9.9 |
| M12 (1/2") | 16 | 55 | 100 | 40 | 150 | 75 | 50 | 50 | 7.1 | 14.5 |
| M16 (5/8") | 20 | 70 | 130 | 95 | 195 | 98 | 65 | 65 | 15.0 | 26.9 |
| M20 (3/4") | 25 | 90 | 160 | 175 | 240 | 120 | 80 | 80 | 17.4 | 42.0 |

¹⁾ Loading based on standard embedment depth and non-cracked concrete, $f_{ck,cube} = 25 \text{ N/mm}^2$ (C20/25)

²⁾ Shear load based on carbon steel class 5.8. Loading will be increased if higher carbon steel grade is used.

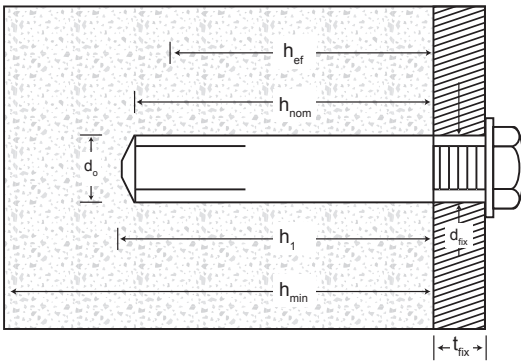
DI DROP IN ANCHOR - STAINLESS STEEL 304 AND 316

| ANCHOR SIZE | HOLE DIAMETER (mm) | MINIMUM HOLE DEPTH (mm) | MINIMUM CONCRETE THICKNESS (mm) | TIGHTENING TORQUE (Nm) | RECOMMENDED SPACING & EDGE DISTANCE TO FULL LOADS (mm) | | ABSOLUTE MINIMUM SPACING & EDGE DISTANCE (mm) | | RECOMMENDED LOAD (kN) | |
|-------------|--------------------|-------------------------|---------------------------------|------------------------|--|-------|---|-------|-----------------------|---------------------|
| | | | | | TENSION | SHEAR | TENSION | SHEAR | TENSION ¹⁾ | SHEAR ²⁾ |
| M6 (1/4") | 8 | 30 | 60 | 5 | 75 | 38 | 25 | 25 | 2.5 | 3.9 |
| M8 (5/16") | 10 | 35 | 70 | 10 | 90 | 45 | 30 | 30 | 3.4 | 7.0 |
| M10 (3/8") | 12 | 45 | 80 | 20 | 120 | 60 | 40 | 40 | 5.1 | 11.2 |
| M12 (1/2") | 16 | 55 | 100 | 40 | 150 | 75 | 50 | 50 | 7.1 | 16.2 |
| M16 (5/8") | 20 | 70 | 130 | 95 | 195 | 98 | 65 | 65 | 15.0 | 30.2 |
| M20 (3/4") | 25 | 90 | 160 | 175 | 240 | 120 | 80 | 80 | 17.4 | 47.1 |

¹⁾ Loading based on standard embedment depth and non-cracked concrete, $f_{ck,cube} = 25 \text{ N/mm}^2$ (C20/25)

²⁾ Shear load based on stainless steel 304 or 316.

▶ **SETTING DIAGRAM**



▶ **INSTALLATION PROCEDURE**

