

TECHNICAL DATA

GENERAL USES

Thin walled torque controlled expansion anchor for light to medium duty applications.

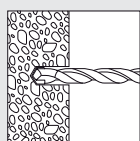
FEATURES

- Through fixing for masonry: suitable for brick, block and concrete.
- Two versions: Hex bolt loose bolt and hex nut projecting bolt.
- Range of popular sizes.
- Drill diameter same as anchor diameter.
- Fully assembled and ready to use.
- Zinc plated (3-5 microns).
- Full batch-traceability to the original steel mill certificate.
- Sold in one-piece strengthened laminated TIMCo branded boxes for market appeal and quality recognition.
- Bar-coded to assist in sales and stock control.

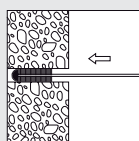


SLEEVE ANCHOR TRADITIONAL STYLE - LOOSE NUT

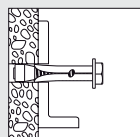
TIMCo Code	Size	Anchor Hole Size	Anchor Length mm	Max Fixture Thickness mm	Min Hole Depth mm	Clearance Hole In Fixture mm	Qty Per Box	Qty Per Outer	Price Per 100
0840SAN	8 x 40	8	40	10	40	10	100	1,000	£
0865SAN	8 x 65	8	65	30	40	10	50	500	£
0885SAN	8 x 85	8	85	50	40	10	50	500	£
1050SAN	10 x 50	10	50	10	45	12	50	500	£
1075SAN	10 x 75	10	75	35	45	12	50	500	£
10100SAN	10 x 100	10	100	60	45	12	50	400	£
1260SAN	12 x 60	12	60	15	55	14	50	400	£
1275SAN	12 x 75	12	75	25	55	14	50	300	£
12100SAN	12 x 100	12	100	50	55	14	25	250	£
12125SAN	12 x 125	12	125	75	55	14	25	150	£
1665SAN	16 x 65	16	65	15	65	18	25	200	£
16110SAN	16 x 110	16	110	55	65	18	10	100	£
16150SAN	16 x 150	16	150	90	65	18	10	100	£
2080SAN	20 x 80	20	80	15	75	22	10	100	£
20110SAN	20 x 110	20	110	50	75	22	10	80	£
20150SAN	20 x 150	20	150	90	75	22	10	80	£



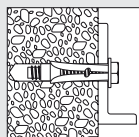
1 Drill a hole of required diameter and depth.



2 Remove debris and thoroughly clean hole by brushing and blowing.



3 Lightly tap the throughbolt through the fixture into hole with a hammer, until fixing depth is reached.



4 Tighten to the recommended torque.

SLEEVE ANCHORS - LOOSE BOLT

TIMCo Code	Size	Anchor Hole Size	Anchor Length mm	Max Fixture Thickness mm	Min Hole Depth mm	Clearance Hole In Fixture mm	Qty Per Box	Qty Per Outer	Price Per 100
0845SAB	8 x 45	8	45	10	40	10	100	1,000	£
0870SAB	8 x 70	8	70	30	40	10	50	500	£
0890SAB	8 x 90	8	90	50	40	10	50	500	£
1045SAB	10 x 45	10	45	5	45	12	50	500	£
1055SAB	10 x 55	10	55	15	45	12	50	500	£
1080SAB	10 x 80	10	80	35	45	12	50	500	£
10100SAB	10 x 100	10	100	55	45	12	50	400	£
1265SAB	12 x 65	12	65	10	55	14	50	400	£
1280SAB	12 x 80	12	80	25	55	14	50	300	£
12100SAB	12 x 100	12	100	40	55	14	25	250	£
1675SAB	16 x 75	16	75	15	65	18	25	250	£
16110SAB	16 x 110	16	110	50	65	18	10	100	£

TECHNICAL INFORMATION

Anchor Size mm	Thread Diameter mm	Centre Spacing mm	Edge Distance mm	Minimum Concrete Thickness	Rec. Tensile Load kN C20/25 Concrete	Rec. Shear Load kN C20/25 Concrete	Rec Tightening Torque Nm
8	6	80	70/80	60	2.0	2.1	15
10	8	90	80/95	70	3.1	3.6	35
12	10	105	95/120	85	4.0	5.5	60
16	12	130	120/160	100	5.0	7.9	80
20	16	150	135/220	120	6.1	12.2	160

TECHNICAL INFORMATION

Anchor Size mm	RECOMMENDED TENSION & SHEAR LOADS		
	Concrete Blockwork 7-10N/mm ²	Sand Lime Solid Brick 12N/mm ² *	Brickwork >20N/mm ² *
8	0.6	0.9	1.5
10	1.0	1.3	2.0
12	1.4	1.5	2.3
16	1.9	1.9	2.6

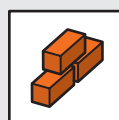
* Fix in centre line of brick 35-40mm from ends and avoid top 3 courses, edge bricks and mortar joints. Installation torque should be reduced for brickwork and blockwork - see website. Site test recommended for other materials.



Concrete



Stone



Brick