

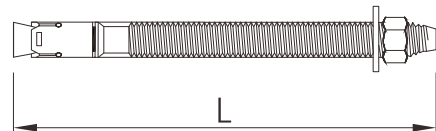
Wedge anchor

Wedge anchor from TPMC is a high-strength mechanical expansion anchor designed for concrete and masonry. It consists of a threaded stud with a conical wedge and expansion clip at the base. Tightening the nut pulls the wedge into the clip, forcing it to expand against the hole wall and creating a secure mechanical interlock with excellent tensile and shear load capacity.

UL Listed and FM Approved, it is ideal for pipe hangers, sway braces, and other critical structural attachments.



- Certificate: UL Listed / FM Approved / CE
- Standard: NFPA 13, UL 203, GB/T 22795
- Material: CS per ASTM A307 / ISO 898-1
SS per 304 / 316
- Thread: Imperial, UNC, Class 2A per ASME B1.1
Metric, coarse thread, 6g per ISO 965-1
- Includes: Complete set, threaded stud with wedge, expansion clip, hex nut, and flat washer
- Surface: CS, electro-galvanized / hot-dip galvanized
SS, as processed / passivated



Available sizes (Imperial)

Nominal anchor diameter	Length (L, inch)	Allowable load in concrete (lbs)	Compatible pipe size		Ref. No.
			Inch	DN	
3/8"	3" ~ 7"	1460	Up to 4"	Up to 100	P8503 (UL/FM)
1/2"	3" ~ 7"	2513	5" to 8"	125 to 200	P8504 (UL/FM)
5/8"	4" ~ 10"	4216	10" and 12"	250 and 300	P8505 (UL/FM)
3/4"	4" ~ 10"	5456	10" and 12"	250 and 300	P8506 (UL/FM)

Note: The tension is based on carbon steel material in 2500 psi uncracked concrete.

Available sizes (Metric)

Nominal anchor diameter	Length (L, mm)	Max rec. tension in concrete (kN)	Compatible pipe size		Ref. No.
			Inch	DN	
M10	90 ~ 185	8.6	Up to 4"	Up to 100	P8523 (CE)
M12	100 ~ 255	13.3	5" to 8"	125 to 200	P8524 (CE)
M16	145 ~ 250	16.2	10" and 12"	250 and 300	P8525 (CE)
M20	170 ~ 200	23.4	10" and 12"	250 and 300	P8526 (CE)

Note: The tension is based on carbon steel material in uncracked concrete.