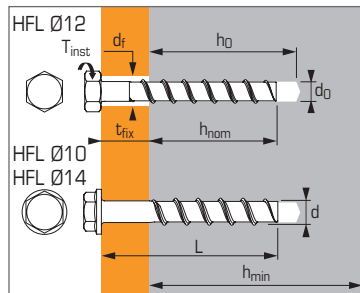


TAPCON PLUS

zinc coated steel version



Re-usable concrete screw with check gauge



APPLICATION

Temporary fixings:

- Push-pull bars
- Formwork / shuttering

MATERIAL

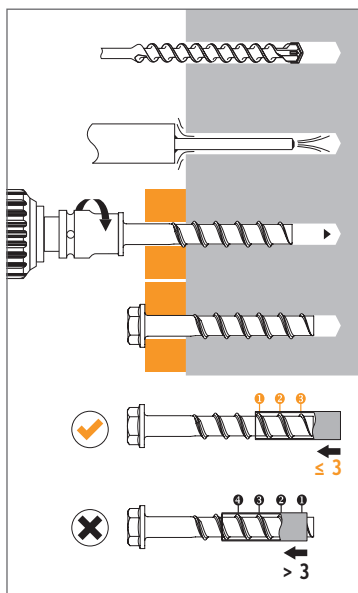
Zinc coated steel versions:

Min. tensile strength: 700 N/mm²
Min. zinc coated steel 5 µm

Key size:

Ø10 : Sw = 15 mm
Ø12 & Ø14 : Sw = 22 mm

INSTALLATION



Technical data

Version	Anchor size	Minimum embedment depth				Maximum embedment depth				Thread Ø	Drilling Ø	Total anchor length	Tighten torque	Tighten torque	Code
		Embed. depth min.	Max. thick. of part to be fixed	Drilling depth	Min. thick. of base material	Embed. depth max.	Max. thick. of part to be fixed	Drilling depth	Min. thick. of base material						
		(mm) h _{nom}	(mm) t _{fix}	(mm) h ₀	(mm) h _{min}	(mm) h _{nom}	(mm) t _{fix}	(mm) h ₀	(mm) h _{min}	(mm) d	(mm) d ₀	(mm) L	(Nm) T _{inst}	(Nm) T _{inst}	
HFL	10X80/5		5			-	-	-	-	12,6	10	80	40	300	058721
	12X105/15	75	30	85	150	90	15	100	195	14,6	12	105	60	450	058722
	14X80/5		5			-	-	-	-	16,6	14	80	80	450	058723
	14X110/15		25			90	15	100	195	16,6	14	110	80	450	058724

*STOP turning the machine when the head of the TAPCON touch the part to be fixed. The torque in the table is the recommendation for the impact torque machine used, this can vary from machine to machine.

Design loads (F_{Rd}) and recommended loads (F_{REC}) for one anchor without edge or spacing influence in kN

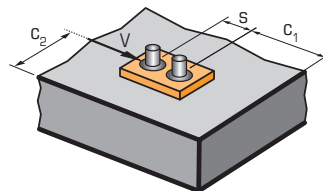
$$F_{REC} = \frac{F_{Rd}^*}{\gamma_F} \quad * \text{ Derived from tests results}$$

TENSILE & SHEAR

Base material	Anchor size	Ø10		Ø12		Ø14	
		h _{nom}	75	75	90	75	90
Cracked concrete C8/10 (f_{ck,cub} ≥ 10 N/mm²)							
F _{Rd}			6	6	12	6	12
F _{REC}			4	4	8	4	8
Cracked concrete C12/15 (f_{ck,cub} ≥ 15 N/mm²)							
F _{Rd}			7	7	13	7	13
F _{REC}			4,6	4,6	8,6	4,6	8,6
Cracked concrete C16/20 (f_{ck,cub} ≥ 20 N/mm²)							
F _{Rd}			8	8	14	8	14
F _{REC}			5,3	5,3	9,3	5,3	9,3

γ_F = 1,5

Spacing data



Anchor size	h _{nom}	Minimum distance between anchors and from edges (mm)		
		S _{min}	C _{min,1}	C _{min,2}
Ø10	75	320	105	160
	90	320	105	160
Ø12	75	320	105	160
	90	390	130	195
Ø14	75	320	105	160
	90	390	130	195