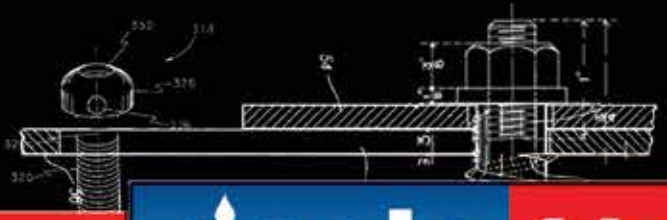
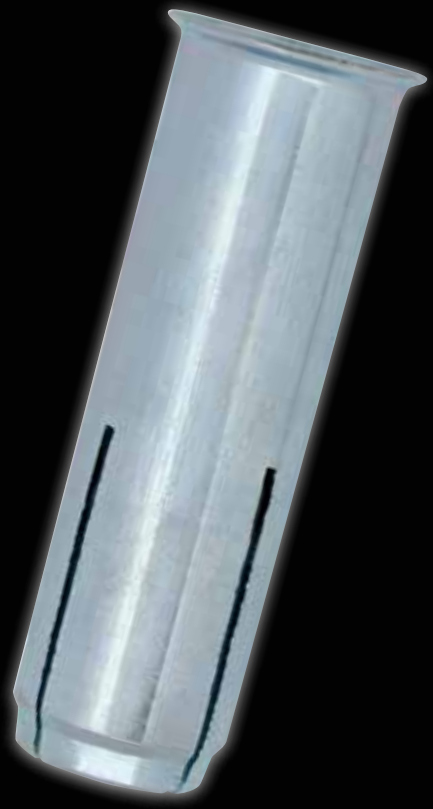


ripple friulsider

TAP

Rimmed hammerset anchor

Drop-in Anchor for Concrete



RIMMED LIP
Prevents slipping into the hole

CONE EXPANSION
Keying & friction principle

SHALLOW EMBEDMENT DEPTH
Less risk of hitting reinforcement

AVAILABLE IN:

WZP	INOX A2	WZP
Rimmed White Zinc Plated	Rimmed Stainless steel INOX A2	Rimless White Zinc Plated

friulsider

since 1966

CERTIFICATION OF QUALITY MANAGEMENT SYSTEM
ISO 9001 Cert. n° 1085

CERTIFICATION OF ENVIRONMENTAL MANAGEMENT SYSTEM
ISO 14001 Cert. n° 0050A

TAP
Rimmed hammerset anchor

VERSIONS:
White Zinc Plated anchor
Stainless steel A2 anchor

FEATURES
- Rimmed Lip
- Metric internal thread
- Standard setting tools
- Depth of embedment
- Flush with base material

ADVANTAGES
- Prevents slipping into the drilled hole
- Standard Screws & threaded rods
- Prevents damage of internal thread
- Shallow drilling depth
- Minimises external interference

BASE MATERIALS:
- concrete
- solid stone

Suitable Application
Partially Suitable Application

APPLICATIONS:
- Sprinkler systems
- Gratings
- Scaffolding Props
- HVAC Fixings
- Core drilling machines
- False ceiling
- Cable Trays
- Raised floorings
- Medium Duty Steel constructions
- Wooden battens
- Suspended ceiling
- Electrical services
- Hand rails and supports
- Pipe lines and ventilations

TAP

Rimmed Hammerset Anchor White Zinc Plated

WZP

Rimmed Hammerset Anchor Stainless Steel A2 (304)

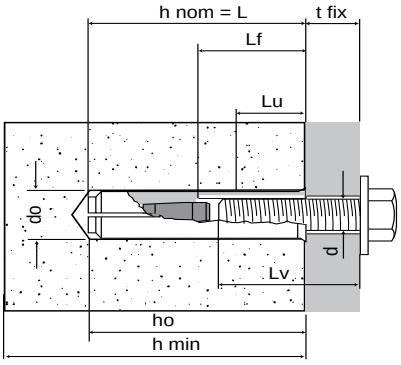
INOX A2

Rimless Hammerset Anchor White Zinc Plated

WZP

Rimmed Anchor White Zinc Plated Code	Rimmed Anchor Stainless steel A2 Code	Rimless anchor White Zinc Plated Code	Product Description	Hole Dia do mm	Anchor Length L mm	Screw / Bolt Dia d	Lf mm	Lu mm	Setting Tool Code	Setting tool
75203b06000	75204006000	75200b06000	TAP 6x25	8	25	M6	11	6	49902b06000	M6
75203b08000	75204008000	75200b08000	TAP 8x30	10	30	M8	13	8	49902b08000	M8
75203b10000	75204010000	75200b10000	TAP 10x40	12	40	M10	19	14	49902b10000	M10
75203b12000	75204012000	75200b12000	TAP 12x50	15	50	M12	23	18	49902b12000	M12
75203b16000	75204016000	75200b16000	TAP 16x65	20	65	M16	28	20	49902b16000	M16

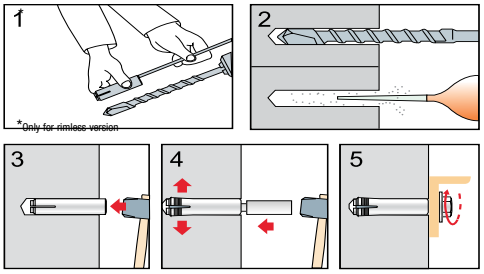
For Selecting Screw/Bolt Length (Lv): $Lv_{min} = Lu + tfix$ $Lv_{max} = Lf + tfix$



d	=	screw diameter
do	=	hole diameter
hmin	=	minimum support thickness
hnom	=	nominal embedment depth
ho	=	cylindrical hole depth
L	=	anchor length
Lf	=	anchor internal threaded length
Lu	=	minimum thread engagement
Lv	=	metric screw / bolt length
tfix	=	fastening thickness
Tmax	=	maximum torque

TAP Anchor is to be used with corresponding Setting Tool

Installation Procedure



DESIGN AND RECOMMENDED[1] LOADS

Single anchor with large anchor spacing and edge distances in non-cracked concrete C20/25

Anchor			M6	M8	M10	M12	M16
Minimum support thickness	h_{min}	mm	100	100	100	120	140
Depth of the hole	h_0	mm	25	30	40	50	65
Nominal embedment depth	h_{nom}	mm	25	30	40	50	65
Hole diameter	d_0	mm	8	10	12	15	20
Spacing	$S_{cr.N}$	mm	125	150	200	250	325
Edge distance	$C_{cr.N}$	mm	90	105	140	175	230
Tensile non-cracked concrete	N_{rd}	kN	2.4	3.8	4.9	6.3	8.4
	N	kN	1.7	2.7	3.5	4.5	6.0
Shear C >= 10xh_{ef} screw grade 5.6	V_{rd}	kN	2.8	5.2	8.1	11.8	20.4
	V	kN	2.0	3.7	5.8	8.4	14.6
Nominal embedment depth	S_{min}	mm	50	60	80	100	130
Minimum edge distance	C_{min}	mm	90	105	140	175	230
Torque max	T_{max}	Nm	5	10	20	40	60

1kN = 100 kgf

(1) The recommended loads N and V derive from the mean ultimate loads and are inclusive of the total safety factor γ=4 (shear γ=3).

In the absence of CE markings. the recommended loads derive from tests carried out in the Friulsider laboratory in accordance with the appropriate standards.
The load values are only valid if the installation has been carried out correctly. The design engineer is responsible for the designing and calculation of the fixing.

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