



PRODUCT DATA

Sleeve Anchor CSK Head with Break-off Nut

Zinc plated countersunk/CSK sleeve anchor with stud and hexagonal head blind security nut. The hex nut breaks away when installed leaving a tamper proof countersunk head.

Applications	Trades
<ul style="list-style-type: none"> Fixing of hand rails, signage, seating and lighting in public areas. Correction facilities to prevent property damage and to reduce risk of escape and harm. Hospitals, community parks, railway stations, stadiums, to protect assets and prevent property theft or damage. 	<ul style="list-style-type: none"> Carpenters Construction contractors

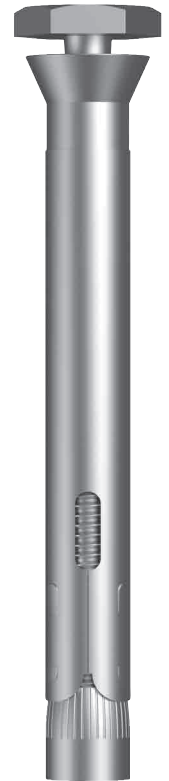
Material	Carbon Steel
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Finish	Zinc Plated (RoHS Compliant)
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Part	QFind	Length	Diameter	Pack Qty
		L (mm)	D (mm)	
MTFHDS03010060	DS0310060	70	10	50
MTFHDS03010080	DS0310080	90	10	50
MTFHDS03010100	DS0310100	110	10	50

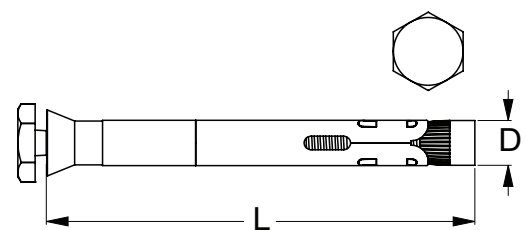


Break-off Nut
Nut AF = 15mm
(Spanner Size)



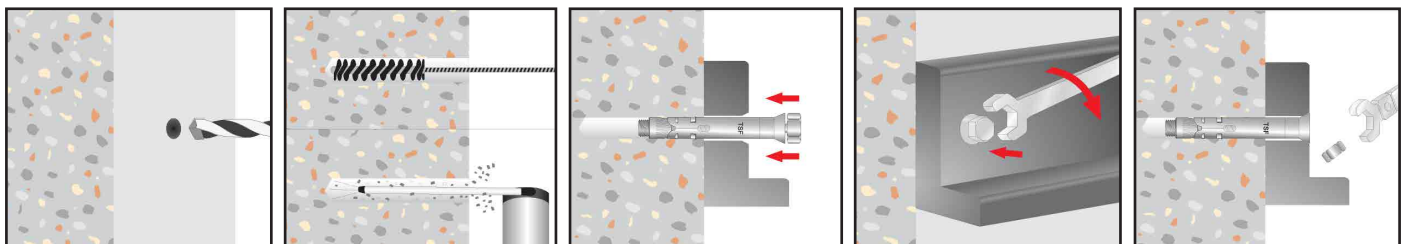
Features

- Installation with standard spanner/socket.
- Permanent tamper proof security fixing.
- Once hex nut shears away, leaves a smooth dome head.



Installation

The anchor is set when the hex nut breaks off.



*Installation with impact drivers not recommended

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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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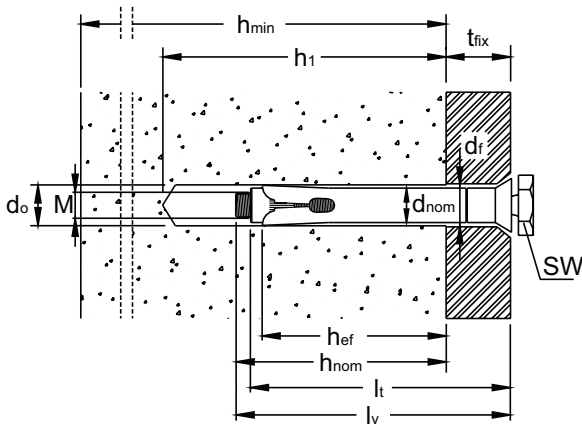




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Installation Data



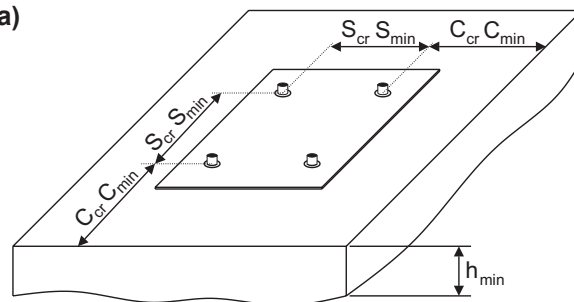
Setting Details

d_{nom}	anchor diameter
l_t	anchor length
M	screw diameter
l_v	stud length
t_{fix}	maximum thickness of fixture
d₀	drill hole diameter
h₁	minimum depth of drill hole
h_{min}	minimum thickness of concrete member
h_{nom}	minimum overall anchor embedment depth in the concrete
h_{ef}	minimum effective anchorage depth
d_t	diameter of clearance hole in the fixture
SW	wrench size
c_{min}	minimum allowable edge distance
s_{min}	minimum allowable spacing
C_{cr}	edge distance for ensuring the transmission of the characteristic resistance of a single anchor
S_{cr}	spacing for ensuring the transmission of the characteristic resistance of a single anchor

Part	Anchor Size	Screw Size	t _{fix}	d ₀	h ₁	h _{min}	h _{nom}	h _{ef}	d _t	SW	c _{min}	s _{min}	C _{cr,N}	S _{cr,N}
	d x l _t (mm)	M x l _v (mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
MTFHDS03010060	10 x 70	8 x 65	10	10	65	100	50	40	12	15	75	75	80	120
MTFHDS03010080	10 x 90	8 x 85	30											
MTFHDS03010100	10 x 110	8 x 105	50											

Characteristic Loads in Non-Cracked Concrete (20 MPa)

Part	Pull Out	Shear
	(kN)	(kN)
MTFHDS03010060	7.5	9.5
MTFHDS03010080		
MTFHDS03010100		



Pull-out and shear showed in the table are CHARACTERISTIC LOADS from tests run on non-cracked concrete C20/25 without edge and spacing effect (Pull-out and shear loads are in kN: 1kN = 100Kg).

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