Tecfi S.p.A. - Sistemi di Fissaggio
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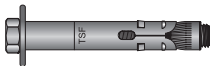
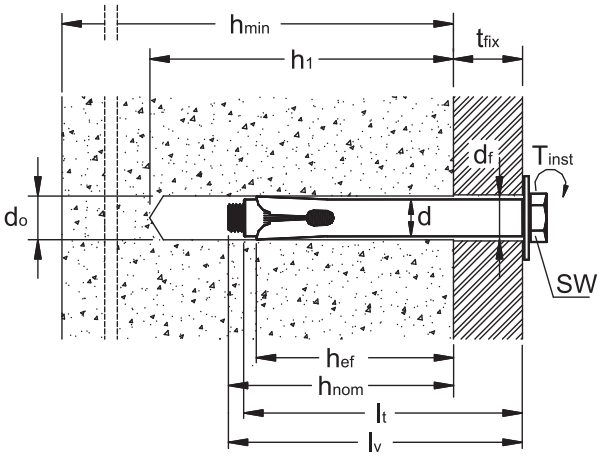
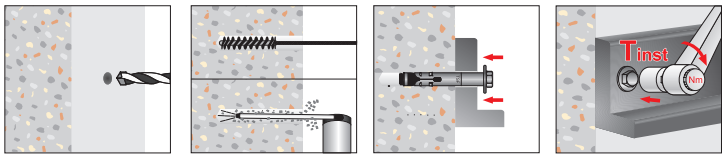
LZ 51 Ancorante in lamiera avvolta con vite TE e rondella serie larga, in acciaio INOX A2 (AISI 304)

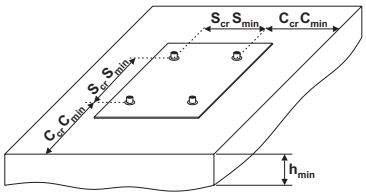


SCHEDA TECNICA



d_{nom} x l_t	diametro esterno ancorante x lunghezza ancorante
M	diametro vite
t_{fix}	spessore massimo fissabile
d_0	diametro del foro
h_1	profondità del foro
h_{min}	spessore del materiale di supporto
h_{nom}	profondità minima di inserimento
h_{ef}	profondità effettiva di ancoraggio
d_f	diametro del foro nell'elemento da fissare
T_{inst}	coppia di serraggio raccomandata
SW	misura chiave
c_{min}	minima distanza dal bordo consentita
s_{min}	minimo interasse consentito
c_{cr}	distanza dal bordo che assicura la trasmissione della resistenza caratteristica di un ancoraggio singolo
s_{cr}	interasse tra ancoraggi in gruppo tale da assicurare la trasmissione della resistenza caratteristica di un ancoraggio singolo





DATI TECNICI E RISULTATI DI PROVA SU ANCORANTI LZ 51 IN CALCESTRUZZO NON FESSURATO C20/25

Codice Articolo	Misura Ancorante d_{nom} x l_t (mm)	Misura Vite M x l_v (mm)	t_{fix} (mm)	d_o (mm)	h_1 (mm)	h_{min} (mm)	h_{nom} (mm)	h_{ef} (mm)	d_f (mm)	T_{inst} (Nm)	SW (mm)	c_{min} (mm)	s_{min} (mm)	CARICO CARATTERISTICO (kN) ESTRAZIONE	CARICO CARATTERISTICO (kN) TAGLIO
Ø 8															
LZ 51 08 060	8 x 60	M6 x 60	5	8	65	90	55	45	10	15	10	70	135	**2,5**	**4,5**
LZ 51 08 075	8 x 75	M6 x 75	20												
LZ 51 08 095	8 x 95	M6 x 95	40												
LZ 51 08 115	8 x 115	M6 x 115	60												
Ø 10															
LZ 51 10 065*	10 x 65	M8 x 65	15	10	65	90	55	45	12	30	13	70	140	**3,4**	**8,2**
LZ 51 10 080	10 x 80	M8 x 80	10	10	80	120	70	60	12	30	13	90	180	**3,7**	**8,2**
LZ 51 10 100	10 x 100	M8 x 100	30												
LZ 51 10 120	10 x 120	M8 x 120	50												
Ø 12															
LZ 51 12 065	12 x 65	M10 x 65	15	12	70	90	50	45	14	50	17	70	140	ⓘ	**13,1**
LZ 51 12 080	12 x 80	M10 x 80	10	12	90	120	70	60	14	50	17	90	180	**12,45**	**13,1**
LZ 51 12 100	12 x 100	M10 x 100	30												
LZ 51 12 120	12 x 120	M10 x 120	50												
Ø 14															
LZ 51 14 075	14 x 75	M10 x 75	15	14	90	110	60	55	16	60	17	85	170	**11,50**	**13,1**
LZ 51 14 100	14 x 100	M10 x 100	20	14	110	140	80	70	16	60	17	105	210	**15,63**	**13,1**
LZ 51 14 110	14 x 110	M10 x 110	30												
LZ 51 14 130	14 x 130	M10 x 130	50												
Ø 16															
LZ 51 16 075	16 x 75	M12 x 75	15	16	90	110	60	55	18	100	19	85	170	**12,15**	**19,0**
LZ 51 16 110	16 x 110	M12 x 110	10	16	130	180	100	90	18	100	19	135	270	**21,12**	**19,0**
LZ 51 16 130	16 x 130	M12 x 130	30												

*misure con inserimento ridotto

ⓘ Per i dati non inseriti in tabella rivolgersi al Laboratorio Tecfi

In tabella sono indicati i CARICHI CARATTERISTICI per prove effettuate su calcestruzzo C20/25 non fessurato senza influenza del bordo e/o dell' interasse (valori di estrazione e taglio in kN: 1kN = 100Kg).

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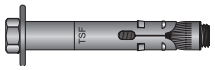
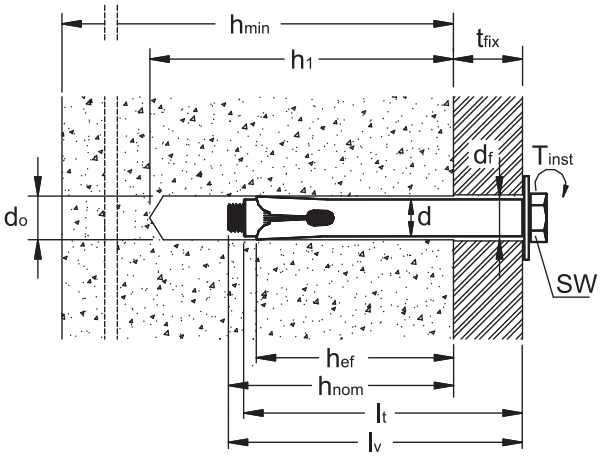
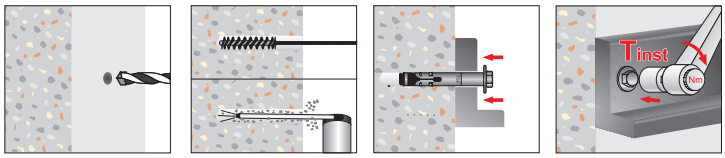
LZ 51 A2 SS sleeve anchor with A2-70 Stainless steel hex head screw and large series washer

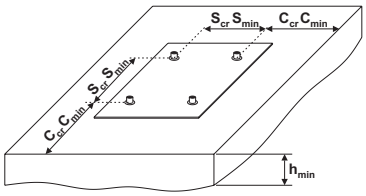


TECHNICAL DATA SHEET



d_{nom} x l_t	anchor diameter x anchor length
M	screw diameter
t_{fix}	maximum thickness of fixture
d_o	drill hole diameter
h_1	depth of drill hole
h_{min}	thickness of concrete member
h_{nom}	minimum overall anchor embedment depth
h_{ef}	effective anchorage depth
d_f	diameter of clearance hole in the fixture
T_{inst}	required torque moment
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





TECHNICAL DATA AND TEST REPORT ON LZ 51 ANCHORS ON NON-CRACKED CONCRETE C20/25

Item Code	Item Code d_{nom} x l_t (mm)	Screw size M x l_V (mm)	t_{fix} (mm)	d_o (mm)	h_1 (mm)	h_{min} (mm)	h_{nom} (mm)	h_{ef} (mm)	d_f (mm)	T_{inst} (Nm)	SW (mm)	c_{min} (mm)	s_{min} (mm)	CHARACTERISTIC LOADS (kN) PULL OUT	CHARACTERISTIC LOADS (kN) SHEAR
Ø 8															
LZ 51 08 060	8 x 60	M6 x 60	5	8	65	90	55	45	10	15	10	70	135	**2,5**	**4,5**
LZ 51 08 075	8 x 75	M6 x 75	20												
LZ 51 08 095	8 x 95	M6 x 95	40												
LZ 51 08 115	8 x 115	M6 x 115	60												
Ø 10															
LZ 51 10 065*	10 x 65	M8 x 65	15	10	65	90	55	45	12	30	13	70	140	**3,4**	**8,2**
LZ 51 10 080	10 x 80	M8 x 80	10	10	80	120	70	60	12	30	13	90	180	**3,7**	**8,2**
LZ 51 10 100	10 x 100	M8 x 100	30												
LZ 51 10 120	10 x 120	M8 x 120	50												
Ø 12															
LZ 51 12 065	12 x 65	M10 x 65	15	12	70	90	50	45	14	50	17	70	140	ⓘ	**13,1**
LZ 51 12 080	12 x 80	M10 x 80	10	12	90	120	70	60	14	50	17	90	180	**12,45**	**13,1**
LZ 51 12 100	12 x 100	M10 x 100	30												
LZ 51 12 120	12 x 120	M10 x 120	50												
Ø 14															
LZ 51 14 075	14 x 75	M10 x 75	15	14	90	110	60	55	16	60	17	85	170	**11,50**	**13,1**
LZ 51 14 100	14 x 100	M10 x 100	20	14	110	140	80	70	16	60	17	105	210	**15,63**	**13,1**
LZ 51 14 110	14 x 110	M10 x 110	30												
LZ 51 14 130	14 x 130	M10 x 130	50												
Ø 16															
LZ 51 16 075	16 x 75	M12 x 75	15	16	90	110	60	55	18	100	19	85	170	**12,15**	**19,0**
LZ 51 16 110	16 x 110	M12 x 110	10	16	130	180	100	90	18	100	19	135	270	**21,12**	**19,0**
LZ 51 16 130	16 x 130	M12 x 130	30												

*sizes with reduced embedment depth

ⓘ For all specification not included in the table, please contact Tecfi Lab

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).