

## Expander EST1



- ▶ Steel, zinc plated
- ▶ Approved for cracked and non-cracked concrete

Description	Ref. No.	Standard Anchorage Depth					Reduced Anchorage Depth				Thread mm
		Fixture- thickness t <sub>fix</sub> mm	Drill Hole Ø x depth mm	Setting- depth h <sub>nom</sub> mm	Anchorage depth h <sub>ef</sub> mm	Seismic C1 / C2	Fixture- thickness t <sub>fix,red</sub> mm	Drill Hole Ø x depth mm	Setting- depth h <sub>nom,red</sub> mm	Anchorage depth h <sub>ef,red</sub> mm	
EST1 M8X60	123301	-	-	-	-	- / -	6	8x49	41	35	M8x16
EST1 M8X75	123303	10	8x60	52	46	Yes / Yes	21	8x49	41	35	M8x32
EST1 M8X80	123305	15	8x60	52	46	Yes / Yes	26	8x49	41	35	M8x37
EST1 M8X95	123307	30	8x60	52	46	Yes / Yes	41	8x49	41	35	M8x52
EST1 M8X115	123309	50	8x60	52	46	Yes / Yes	61	8x49	41	35	M8x72
EST1 M10X70	123311	-	-	-	-	- / -	10	10x55	48	40	M10x22
EST1 M10X90	123313	10	10x75	68	60	Yes / Yes	30	10x55	48	40	M10x42
EST1 M10X95	123315	15	10x75	68	60	Yes / Yes	35	10x55	48	40	M10x47
EST1 M10X100	123317	20	10x75	68	60	Yes / Yes	40	10x55	48	40	M10x52
EST1 M10X110	123319	30	10x75	68	60	Yes / Yes	50	10x55	48	40	M10x62
EST1 M10X130	123321	50	10x75	68	60	Yes / Yes	70	10x55	48	40	M10x82
EST1 M10X155	123323	75	10x75	68	60	Yes / Yes	95	10x55	48	40	M10x107
EST1 M10X180	123325	100	10x75	68	60	Yes / Yes	120	10x55	48	40	M10x132
EST1 M10X230	123327	150	10x75	68	60	- / -	-	-	-	-	M10x80
EST1 M12X85	123339	-	-	-	-	- / -	10	12x70	60	50	M12x26
EST1 M12X105	123341	10	12x90	80	70	Yes / Yes	30	12x70	60	50	M12x46
EST1 M12X110	123343	15	12x90	80	70	Yes / Yes	35	12x70	60	50	M12x51
EST1 M12X115	123345	20	12x90	80	70	Yes / Yes	40	12x70	60	50	M12x56
EST1 M12X125	123337	30	12x90	80	70	Yes / Yes	50	12x70	60	50	M12x66
EST1 M12X145	123339	50	12x90	80	70	Yes / Yes	70	12x70	60	50	M12x86
EST1 M12X160	123341	65	12x90	80	70	Yes / Yes	85	12x70	60	50	M12x101
EST1 M12X180	123343	85	12x90	80	70	Yes / Yes	105	12x70	60	50	M12x121
EST1 M12X200	123345	105	12x90	80	70	Yes / Yes	125	12x70	60	50	M12x141
EST1 M12X220	123347	125	12x90	80	70	- / -	-	-	-	-	M12x80
EST1 M12X240	123349	145	12x90	80	70	- / -	-	-	-	-	M12x80
EST1 M12X255	123351	160	12x90	80	70	- / -	-	-	-	-	M12x80
EST1 M12X285	123353	190	12x90	80	70	- / -	-	-	-	-	M12x80
EST1 M16X135	123355	15	16x110	97	85	Yes / Yes	35	16x90	77	65	M16x56
EST1 M16X145	123357	25	16x110	97	85	Yes / Yes	45	16x90	77	65	M16x66
EST1 M16X170	123359	50	16x110	97	85	Yes / Yes	70	16x90	77	65	M16x91
EST1 M16X200	123361	80	16x110	97	85	Yes / Yes	100	16x90	77	65	M16x121
EST1 M16X220	123363	100	16x110	97	85	- / -	-	-	-	-	M16x80
EST1 M16X260	123365	140	16x110	97	85	- / -	-	-	-	-	M16x80
EST1 M16X300	123367	180	16x110	97	85	- / -	-	-	-	-	M16x80
EST1 M20X165	123369	30	20x125	114	100	Yes / Yes	-	-	-	-	M20x50
EST1 M20X195	123371	60	20x125	114	100	Yes / Yes	-	-	-	-	M20x70
EST1 M20X235	123373	100	20x125	114	100	- / -	-	-	-	-	M20x80
EST1 M20X265	123375	130	20x125	114	100	- / -	-	-	-	-	M20x80
EST1 M20X285	123377	150	20x125	114	100	- / -	-	-	-	-	M20x80
EST1 M24X190	123379	30	24x145	133	115	- / -	-	-	-	-	M24x55
EST1 M24X220	123381	60	24x145	133	115	- / -	-	-	-	-	M24x85
EST1 M24X235	123383	75	24x145	133	115	- / -	-	-	-	-	M24x100
EST1 M24X260	123385	100	24x145	133	115	- / -	-	-	-	-	M24x125