

SCREW ANCHOR FOR CONCRETE CE1

SEISMIC PERFORMANCE

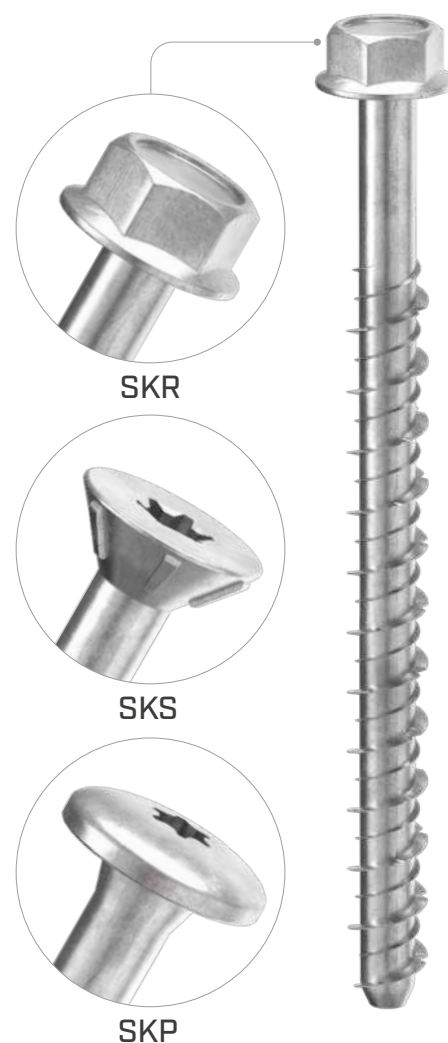
Certified for applications on cracked and non-cracked concrete and in performance class for seismic actions C1 (M10-M16) [d_1 0.40-0.63 inch] and C2 (M12-M16) [d_1 0.48-0.63 inch].

IMMEDIATE STRENGTH

Its operating principle allows the load to be applied after zero waiting times.

OPERATION BY SHAPE

The stresses acting on the anchor are transmitted to the substrate predominantly through the interaction of the geometric conformation of the anchor, in particular, diameter and thread; allowing it to lock into the substrate and guaranteeing the seal.



DIAMETER [in]	0.24	0.24	0.63	0.63
LENGTH [in]	2 1/16	2 3/8	11 7/16	15 3/4
EXPOSURE CONDITION	EC1	EC2	EC3	EC4
ATMOSPHERIC CORROSIVITY	C1	C2	C3	C4
WOOD CORROSIVITY	T1	T2	T3	T4
MATERIAL	electrogalvanized carbon steel			

CODES AND DIMENSIONS

SKR - hexagonal washer head

d ₁ [mm] [in]	CODE	L		t _{fix} [in]	h _{1,min} [in]	h _{nom} [in]	h _{ef} [in]	d ₀ [in]	d _F [in]	T _{inst} [ft-lbs]	N _{p,uncr} ^(*) [lbs]	pcs
8 0.32 SW 10	SKR8100	100	4	1 9/16	2 15/16	2 3/8	1 7/8	7/32	3/8	154	3979	50
10 0.40 SW 13	SKR1080	80	3 1/8	3/8	3 3/8	2 3/4	2 3/16	5/16	1/2	154	5305	50
	SKR10100	100	4	1 3/16	3 3/8	2 3/4	2 3/16	5/16	1/2	154	5305	25
	SKR10120	120	4 3/4	1 15/16	3 3/8	2 3/4	2 3/16	5/16	1/2	154	5305	25
	SKR1290	90	3 1/2	3/8	4	3 1/8	2 1/2	3/8	9/16	243	6789	25
	SKR12110	110	4 3/8	1 3/16	4	3 1/8	2 1/2	3/8	9/16	243	6789	25
12 0.48 SW 15	SKR12150	150	6	2 3/4	4	3 1/8	2 1/2	3/8	9/16	243	6789	25
	SKR12210	210	8 1/4	5 1/8	4	3 1/8	2 1/2	3/8	9/16	243	6789	20
	SKR12250	250	10	6 3/4	4	3 1/8	2 1/2	3/8	9/16	243	6789	15
	SKR12290	290	11 7/16	8 1/4	4	3 1/8	2 1/2	3/8	9/16	243	6789	15
16 0.63 SW 21	SKR16130	130	5 1/8	1 3/16	5 1/2	4 3/8	3 3/8	9/16	11/16	243	8880	10

(*) $N_{p,uncr}$ = pull-out resistance in uncracked concrete (mean test value). Values obtained from pull-out tests. For ASD values the designer shall refer to the relevant standard.

SKS - countersunk head

d_1 [mm] [in]	CODE	L [mm] [in]		t_{fix} [in]	$h_{1,min}$ [in]	h_{nom} [in]	h_{ef} [in]	d_0 [in]	d_F [in]	d_K [in]	$N_{p,uncr}^{(*)}$ [lbs]	pcs
6 0.24 TX 30	SKS660	60	2 3/8	3/8	2 3/16	1 15/16	1 1/2	3/16	1/4	0.433	2945	100
7,5 0.29 TX 30	SKS880	80	3 1/8	13/16	2 15/16	2 3/8	1 7/8	7/32	3/8	0.551	3979	50
10 0.40 TX 40	SKS10100	100	4	1 9/16	2 15/16	2 3/8	1 7/8	7/32	3/8	0.551	3979	50
10 0.40 TX 40	SKS10100	100	4	1 3/16	3 3/8	2 3/4	2 3/16	5/16	1/2	0.787	5305	50

(*) $N_{p,uncr}$ = pull-out resistance in uncracked concrete (mean test value). Values obtained from pull-out tests. For ASD values the designer shall refer to the relevant standard.

SKP - pan head

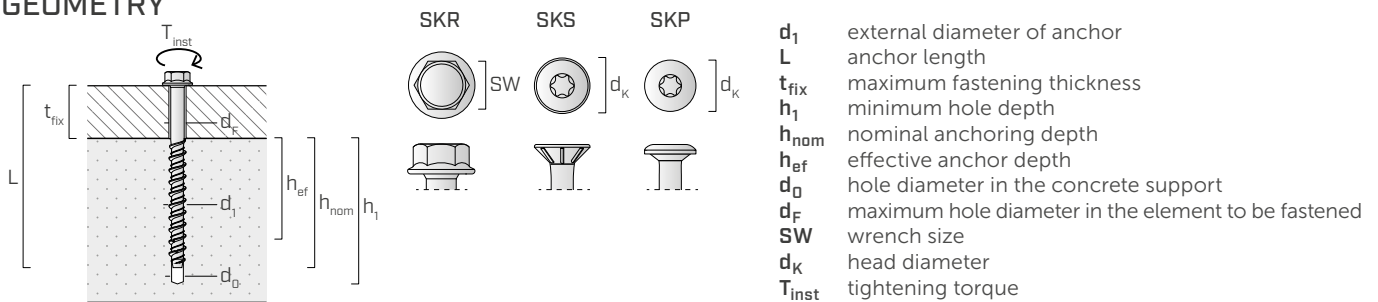
d_1 [mm] [in]	CODE	L [mm] [in]		t_{fix} [in]	$h_{1,min}$ [in]	h_{nom} [in]	h_{ef} [in]	d_0 [in]	d_F [in]	d_K [in]	$N_{p,uncr}^{(*)}$ [lbs]	pcs
6 0.24 TX 30	SKP680	80	3 1/8	1 3/16	2 3/16	1 15/16	1 1/2	3/16	1/4	0.472	2945	50
10 0.40 TX 40	SKP6100	100	4	1 15/16	2 3/16	1 15/16	1 1/2	3/16	1/4	0.472	2945	50

(*) $N_{p,uncr}$ = pull-out resistance in uncracked concrete (mean test value). Values obtained from pull-out tests. For ASD values the designer shall refer to the relevant standard.

ADDITIONAL PRODUCTS - ACCESSORIES

CODE	description	pcs
SOCKET10	SW 10 bushing 1/2" connection	1
SOCKET13	SW 13 bushing 1/2" connection	1
SOCKET15	SW 15 bushing 1/2" connection	1
SOCKET21	SW 21 bushing 1/2" connection	1

GEOMETRY



ASSEMBLY

