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POST-TENSIONING SYSTEMS

XF & XU SYSTEMS



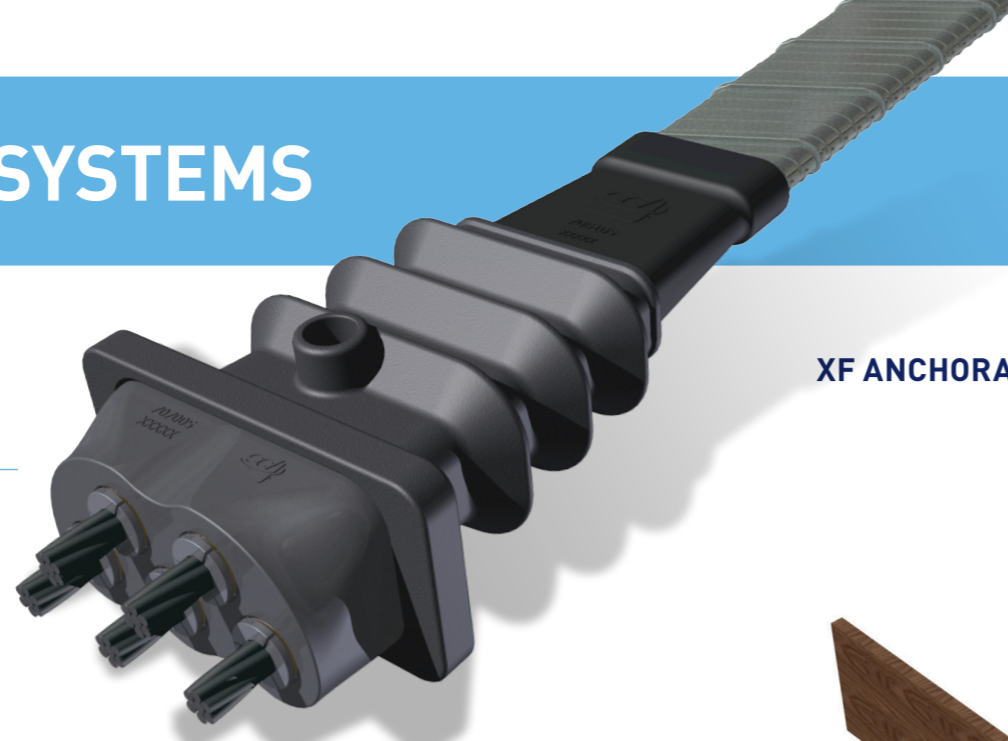
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POST-TENSIONING SYSTEMS



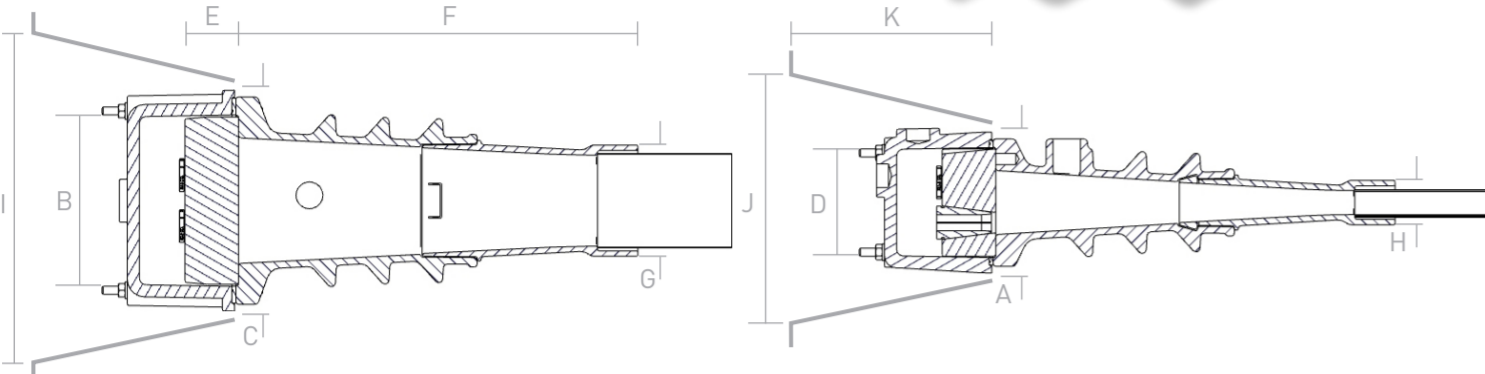
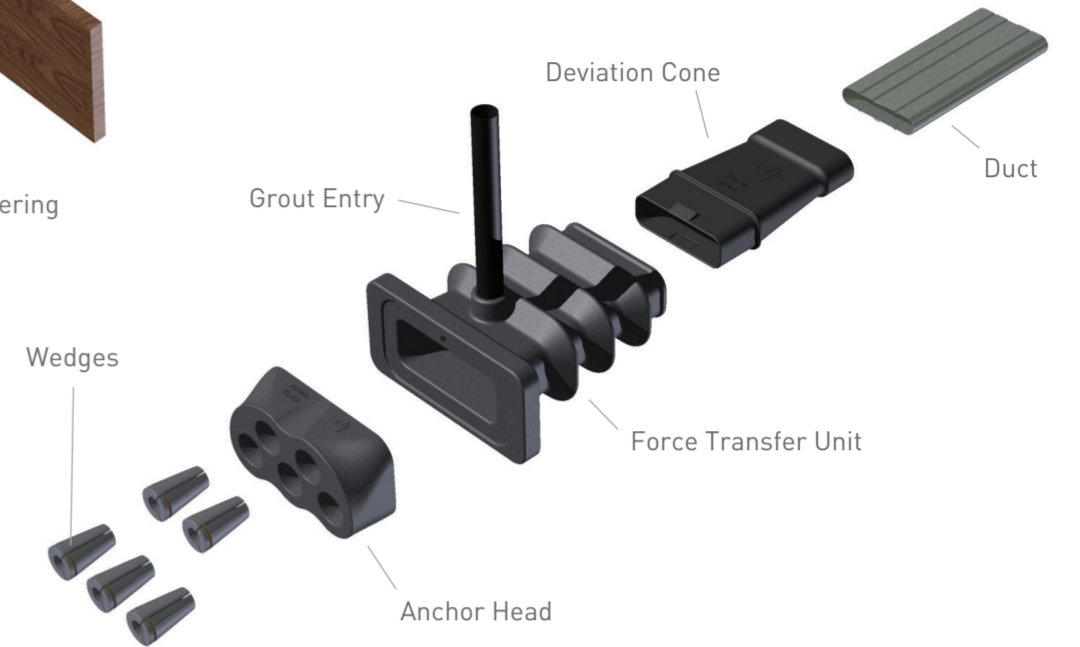
XF SYSTEM



XF ANCHORAGES BEFORE CONCRETING



XF ANCHORAGES AFTER CONCRETING



Anchorage	No. of Strands 13/15 mm	Duct Size mm	Duct Area mm ²	A		B	C		D	E* 13/15 mm	F	G	H	I		J		K
				Std. Pocket Former	Grout Cap Pocket Former		Std. Pocket Former	Grout Cap Pocket Former						Std. Pocket Former	Grout Cap Pocket Former			
XF-10	3/2	18 x 42	684	80	95	91	108	123	66	39/44	242	56	33	125	140	97	112	102
XF-20	5/4	18 x 69	1174	100	110	126	155	170	80	39/44	300	83	33	167	182	112	122	102
XF-30	6/5	18 x 86	1484	100	110	151	190	205	80	39/44	332	100	33	202	217	112	122	102

All dimensions in mm.
 *Dimension E is the distance the anchor head protrudes from the force transfer unit (FTU).
 Overall thicknesses of 13 mm and 15 mm anchor heads are 40 and 45 mm respectively.
 Special 13 mm wedges in 15 mm form can be provided to allow 15 mm systems to be used with 13 mm strand.
 It is possible to use CCL XF Anchorages with a number of strands fewer than the maximum number specified. In this case, strands are omitted from the standard anchor head.

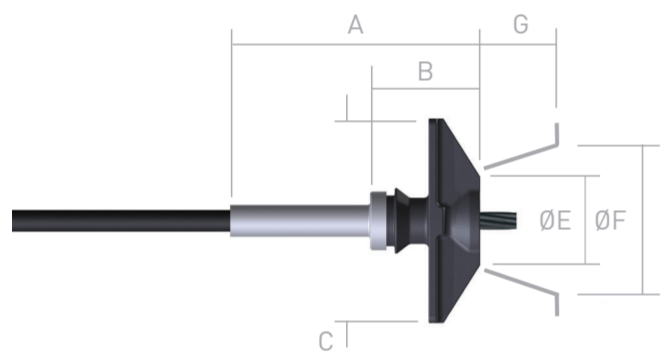
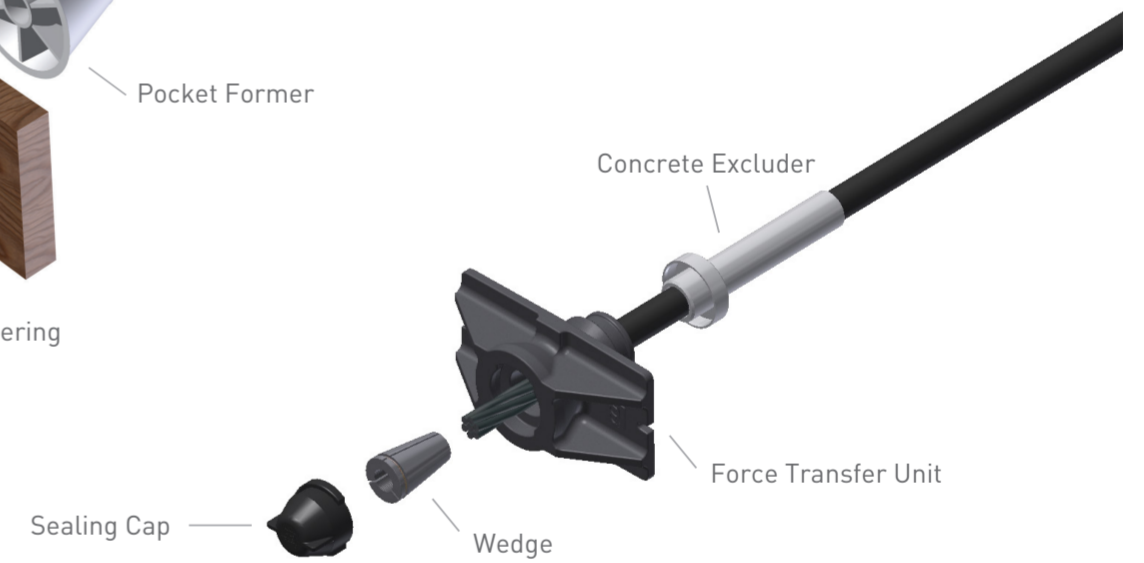
XU SYSTEMS



XU ANCHORAGES BEFORE CONCRETING



XU ANCHORAGES AFTER CONCRETING

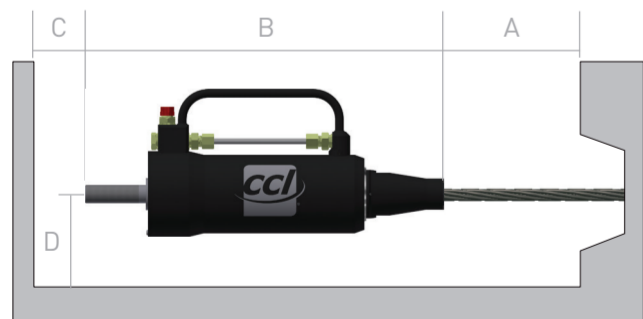


Anchorage	A	B	C	D	ØE	ØF	G
XU-13	153	73	110	63	62	106	62
XU-15	184	81	150	78	65	106	62

All dimensions in mm.
 The wedges are available in three different sizes; 13 mm, 15.2 mm and 15.7 mm.
 Special 13 mm wedges in 15 mm form can be provided to allow 15 mm systems to be used with 13 mm strand.

MONOSTRAND JACKS

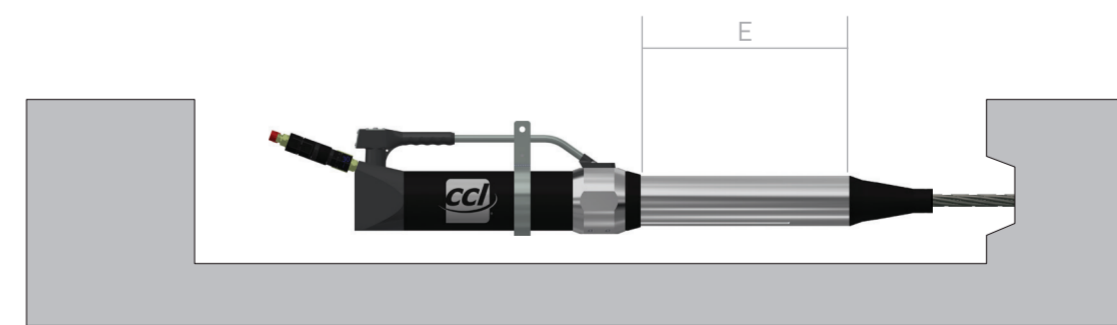
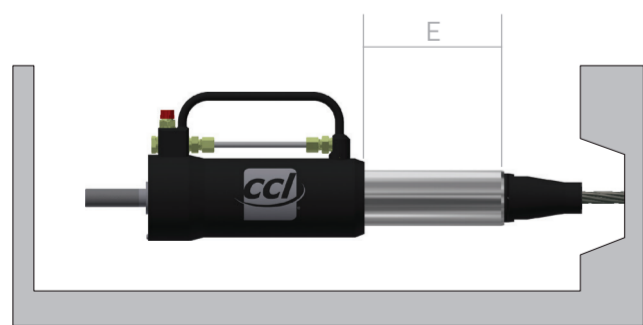
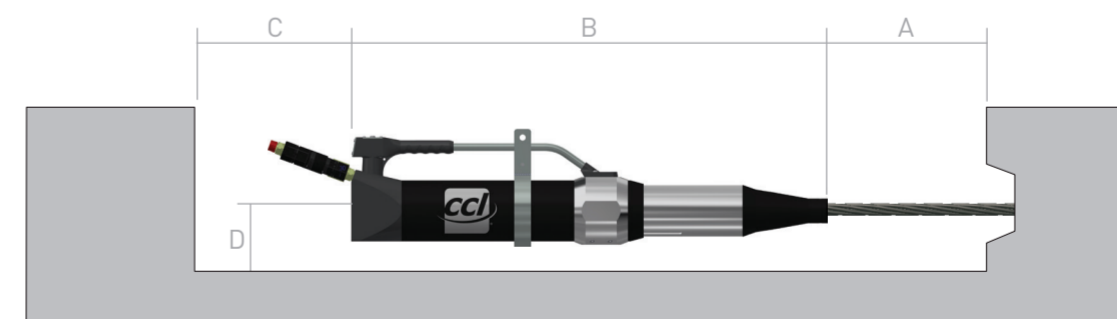
HR JACK



HRL JACK



STRESSOMATIC JACKS



HOLLOWRAM JACK CLEARANCE

Jack	Anchorage	Ø Strand	A*	B	C	D	E Elongation Stroke	Total Clearance**
250 kN HR	XF	13/15	220	415	100	70	190	925
250 kN HR	XU	13/15	175	370	100	70	190	835
250 kN HRL	XF	13/15	255	835	100	70	190	1380
250 kN HRL	XU	13/15	210	790	100	70	190	1290

All dimensions in mm.
 * Minimum length of strand.
 ** Total clearance shown is based on jack stroke. Lower clearance is needed if elongation is less than the stroke.

STRESSOMATIC JACK CLEARANCE

Jack	Ø Strand	A*	B	C	D	E Elongation Stroke	Total Clearance**	Weight kg
160 kN Short Stroke	13	225	755	200	60	205	1385	29
160 kN Long Stroke	13	225	1085	200	60	535	2045	41
300 kN Short Stroke	13/15	350	860	200	70	205	1615	50
300 kN Long Stroke	13/15	350	1070	200	70	410	2030	58

All dimensions in mm.
 * Minimum length of strand.
 ** Total clearance shown is based on jack stroke. Lower clearance is needed if elongation is less than the stroke.
 Specific noses are required to stress the XU or XF systems.