

**ANCHORS & FASTENERS**

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4/22/2022

RE: DEWALT UltraCon®+ Anchor Replacement Option for Elco UltraCon® Anchor

To Whom It May Concern:

The DEWALT UltraCon+ screw anchor is now available for consideration as a direct replacement option for the Elco UltraCon screw-anchor in concrete and masonry applications. Elco has been part of the GTS division of Stanley Black & Decker since 2012. As part of recent upgrades to the Elco UltraCon line of concrete screw anchors, the decision was made to transition the line of product to the DEWALT UltraCon+ brand.

The DEWALT UltraCon+ is a one piece, small-diameter screw anchor available in 3/16" and 1/4" diameters and all current head styles offered by the original Elco UltraCon. It is similar in appearance to the Elco UltraCon but is now identified with a length code and a "D+" stamped on the screw head, replacing the original flag symbol. The DEWALT UltraCon+ finish and color are similar to the Elco UltraCon, with Stalgard coating available in blue, silver, white and bronze color offerings. The DEWALT 5/16" diameter UltraCon remains mostly unchanged from the Elco 5/16" UltraCon, except for an updated headstamp including a length code and a "D5" head stamp replacing the original flag symbol.

In many concrete and masonry applications, the DEWALT UltraCon+ screw anchor has equivalent or higher published load values compared to the Elco UltraCon screw-anchor product. The DEWALT UltraCon+ also has ICC-ES building and residential code approvals for concrete (ESR-3068), masonry (ESR-3196), wood (ESR-3042) and chemically treated wood (ESR-3213) as well as recognition for the State of Florida (FL-29068) and with Miami-Dade County (NOA No. 21-0113.01). These approvals include comparative or better data at similar spacing and edge conditions, as well as new data at spacing and edge conditions not currently offered by Elco UltraCon. Please refer to the below tables for performance comparisons:

3/16" Diameter: DeWALT UltraCon+ compared to Elco UltraCon							
	Edge distance	Spacing distance	Embedment	Allowable Loads		Allowable Loads	
				UltraCon+		UltraCon	
				Tension lbf	Shear lbf	Tension lbf	Shear lbf
Concrete 3000 psi	2 1/2"	1 1/8"	1 3/4"	385	315	315	175
		2 1/4"	1 3/4"	385	315	315	175
		3"	1"	150	165	110	155
			1 3/8"	300	190	185	195
		3 3/8"	1 3/4"	385	315	-	-
Hollow Block	1"	1 1/2"	1 1/4"	145	80	-	-
		3"	1 1/4"	150	115	-	-
	2 1/2"	1 1/8"	1 1/4"	155	185	85	75
		2 1/4"	1 1/4"	155	185	85	115
Grouted block	1"	1 1/2"	1 3/4"	195	85	-	-
		3 3/8"	1 3/4"	280	85	-	-
		4 1/2"	2 1/4"	415	150	-	-
	2 1/2"	3 3/8"	1 3/4"	280	220	-	-
		3 9/16"	1 3/4"	295	250	-	-
		4 1/2"	2 1/4"	415	250	220	195

1/4" Diameter: DeWALT UltraCon+ compared to Elco UltraCon							
	Edge distance	Spacing distance	Embedment	Allowable Load		Allowable Loads	
				UltraCon+		UltraCon	
				Tension lbf	Shear lbf	Tension lbf	Shear lbf
Concrete 3000 psi	2 1/2"	1 1/2"	1 3/4"	590	425	455	315
		3"	1 3/4"	590	435	465	390
		4"	1"	215	335	200	285
			1 3/8"	470	435	375	395
			1 3/4"	615	435	475	445
Hollow Block	1"	1 1/2"	1 1/4"	155	95	-	-
		3"	1 1/4"	155	160	-	-
	2 1/2"	1 1/2"	1 1/4"	160	240	140	100
		3"	1 1/4"	175	290	140	150
Grouted block	1"	1 1/2"	1 3/4"	370	100	-	-
		4"	1 3/4"	370	205	-	-
	2 1/2"	4"	1 3/4"	395	290	230	250
		4"	2 1/4"	625	315	-	-
		4 1/2"	2 1/4"	625	330	410	250

Head Marking

Hex Washer Head



Phillips Flat Head



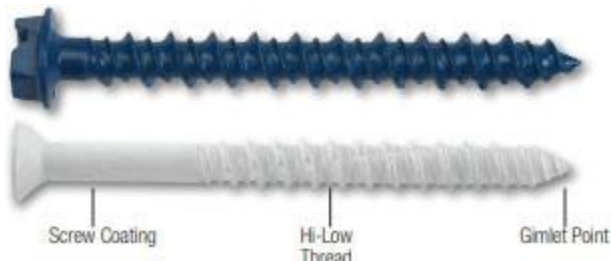
TrimFit Flat Head



Hex Flange Head



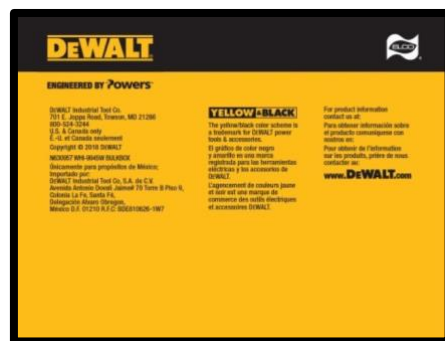
Legend
 'D' Marking = UltraCon+
 '+' Symbol = Strength Design Compliant Anchor
 'C' Mark = Length Identification Mark
 '•' Mark = TrimFit Flat Head Identification



UltraCon+ Length Code Identification System

Length ID marking on head			A	B	C	D	E	F	G	H	I	J
Overall anchor length Length (inches)	From	1"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	4-1/2"	5"	5-1/2"	6"
	Up to but not including	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	4-1/2"	5"	5-1/2"	6"	6-1/2"

Packaging: Original Elco UltraCon (left) vs DEWALT UltraCon+ (right)



Our technical services department is available to answer any additional questions, our team can be contacted at (800) 524-3244 or anchors@DEWALT.com

See the attached pages for a crossover list of part numbers (aka SKU's) with descriptions for the DEWALT UltraCon+ and Elco UltraCon screw-anchors.

DEWALT ULTRACON+ SKU	Description	Color	Head Style	Material	ELCO ULTRACON SKU
DFM12700	UltraCon®+ HWH 3/16 X 1-1/4	Blue	Hex Washer	Carbon Steel	ELE300-100
DFM12700B	UltraCon®+ HWH 3/16 X 1-1/4	Blue	Hex Washer	Carbon Steel	ELE300
DFM12702	UltraCon®+ HWH 3/16 X 1-3/4	Blue	Hex Washer	Carbon Steel	ELE310-100
DFM12702B	UltraCon®+ HWH 3/16 X 1-3/4	Blue	Hex Washer	Carbon Steel	ELE310
DFM12704	UltraCon®+ HWH 3/16 X 2-1/4	Blue	Hex Washer	Carbon Steel	ELE320-100
DFM12704B	UltraCon®+ HWH 3/16 X 2-1/4	Blue	Hex Washer	Carbon Steel	ELE320
DFM12706	UltraCon®+ HWH 3/16 X 2-3/4	Blue	Hex Washer	Carbon Steel	ELE330-100
DFM12706B	UltraCon®+ HWH 3/16 X 2-3/4	Blue	Hex Washer	Carbon Steel	ELE330
DFM12708	UltraCon®+ HWH 3/16 X 3-1/4	Blue	Hex Washer	Carbon Steel	ELE340-100
DFM12708B	UltraCon®+ HWH 3/16 X 3-1/4	Blue	Hex Washer	Carbon Steel	ELE340
DFM12710	UltraCon®+ HWH 3/16 X 3-3/4	Blue	Hex Washer	Carbon Steel	ELE350-100
DFM12710B	UltraCon®+ HWH 3/16 X 3-3/4	Blue	Hex Washer	Carbon Steel	ELE350
DFM12712	UltraCon®+ HWH 3/16 X 4	Blue	Hex Washer	Carbon Steel	ELE360-100
DFM12712B	UltraCon®+ HWH 3/16 X 4	Blue	Hex Washer	Carbon Steel	ELE360
DFM12715	UltraCon®+ HWH 1/4 X 1	Blue	Hex Washer	Carbon Steel	ELE400
DFM12720	UltraCon®+ HWH 1/4 X 1-1/4	Blue	Hex Washer	Carbon Steel	ELE405-100
DFM12720B	UltraCon®+ HWH 1/4 X 1-1/4	Blue	Hex Washer	Carbon Steel	ELE405
DFM12722	UltraCon®+ HWH 1/4 X 1-3/4	Blue	Hex Washer	Carbon Steel	ELE415-100
DFM12722B	UltraCon®+ HWH 1/4 X 1-3/4	Blue	Hex Washer	Carbon Steel	ELE415
DFM12724	UltraCon®+ HWH 1/4 X 2-1/4	Blue	Hex Washer	Carbon Steel	ELE425-100
DFM12724B	UltraCon®+ HWH 1/4 X 2-1/4	Blue	Hex Washer	Carbon Steel	ELE425
DFM12726	UltraCon®+ HWH 1/4 X 2-3/4	Blue	Hex Washer	Carbon Steel	ELE435-100
DFM12726B	UltraCon®+ HWH 1/4 X 2-3/4	Blue	Hex Washer	Carbon Steel	ELE435
DFM12728	UltraCon®+ HWH 1/4 X 3-1/4	Blue	Hex Washer	Carbon Steel	ELE445-100
DFM12728B	UltraCon®+ HWH 1/4 X 3-1/4	Blue	Hex Washer	Carbon Steel	ELE445
DFM12730	UltraCon®+ HWH 1/4 X 3-3/4	Blue	Hex Washer	Carbon Steel	ELE455-100
DFM12730B	UltraCon®+ HWH 1/4 X 3-3/4	Blue	Hex Washer	Carbon Steel	ELE455
DFM12732	UltraCon®+ HWH 1/4 X 4	Blue	Hex Washer	Carbon Steel	ELE465-100
DFM12732B	UltraCon®+ HWH 1/4 X 4	Blue	Hex Washer	Carbon Steel	ELE465
DFM12734	UltraCon®+ HWH 1/4 X 5	Blue	Hex Washer	Carbon Steel	ELE475-100
DFM12735	UltraCon®+ HWH 1/4 X 6	Blue	Hex Washer	Carbon Steel	ELE485-100
DFM12735B	UltraCon®+ HWH 1/4 X 6	Blue	Hex Washer	Carbon Steel	ELE485
DFM12740	UltraCon®+ PFH 3/16 X 1-1/4	Blue	Phillips Flat	Carbon Steel	ELF305-100
DFM12740B	UltraCon®+ PFH 3/16 X 1-1/4	Blue	Phillips Flat	Carbon Steel	ELF305
DFM12742	UltraCon®+ PFH 3/16 X 1-3/4	Blue	Phillips Flat	Carbon Steel	ELF315-100
DFM12742B	UltraCon®+ PFH 3/16 X 1-3/4	Blue	Phillips Flat	Carbon Steel	ELF315
DFM12744	UltraCon®+ PFH 3/16 X 2-1/4	Blue	Phillips Flat	Carbon Steel	ELF325-100
DFM12744B	UltraCon®+ PFH 3/16 X 2-1/4	Blue	Phillips Flat	Carbon Steel	ELF325
DFM12746	UltraCon®+ PFH 3/16 X 2-3/4	Blue	Phillips Flat	Carbon Steel	ELF335-100
DFM12746B	UltraCon®+ PFH 3/16 X 2-3/4	Blue	Phillips Flat	Carbon Steel	ELF335
DFM12748	UltraCon®+ PFH 3/16 X 3-1/4	Blue	Phillips Flat	Carbon Steel	ELF345-100
DFM12748B	UltraCon®+ PFH 3/16 X 3-1/4	Blue	Phillips Flat	Carbon Steel	ELF345
DFM12750	UltraCon®+ PFH 3/16 X 3-3/4	Blue	Phillips Flat	Carbon Steel	ELF355-100
DFM12750B	UltraCon®+ PFH 3/16 X 3-3/4	Blue	Phillips Flat	Carbon Steel	ELF355
DFM12752	UltraCon®+ PFH 3/16 X 4	Blue	Phillips Flat	Carbon Steel	ELF365-100
DFM12752B	UltraCon®+ PFH 3/16 X 4	Blue	Phillips Flat	Carbon Steel	ELF365
DFM12760	UltraCon®+ PFH 1/4 X 1-1/4	Blue	Phillips Flat	Carbon Steel	ELF400-100
DFM12760B	UltraCon®+ PFH 1/4 X 1-1/4	Blue	Phillips Flat	Carbon Steel	ELF400
DFM12762	UltraCon®+ PFH 1/4 X 1-3/4	Blue	Phillips Flat	Carbon Steel	ELF410-100
DFM12762B	UltraCon®+ PFH 1/4 X 1-3/4	Blue	Phillips Flat	Carbon Steel	ELF410
DFM12764B	UltraCon®+ PFH 1/4 X 2-1/4	Blue	Phillips Flat	Carbon Steel	ELF420
DFM12766	UltraCon®+ PFH 1/4 X 2-3/4	Blue	Phillips Flat	Carbon Steel	ELF430-100
DFM12766B	UltraCon®+ PFH 1/4 X 2-3/4	Blue	Phillips Flat	Carbon Steel	ELF430
DFM12768	UltraCon®+ PFH 1/4 X 3-1/4	Blue	Phillips Flat	Carbon Steel	ELF440-100
DFM12768B	UltraCon®+ PFH 1/4 X 3-1/4	Blue	Phillips Flat	Carbon Steel	ELF440
DFM12770	UltraCon®+ PFH 1/4 X 3-3/4	Blue	Phillips Flat	Carbon Steel	ELF450-100
DFM12770B	UltraCon®+ PFH 1/4 X 3-3/4	Blue	Phillips Flat	Carbon Steel	ELF450
DFM12772	UltraCon®+ PFH 1/4 X 4	Blue	Phillips Flat	Carbon Steel	ELF460-100
DFM12772B	UltraCon®+ PFH 1/4 X 4	Blue	Phillips Flat	Carbon Steel	ELF460
DFM12774	UltraCon®+ PFH 1/4 X 5	Blue	Phillips Flat	Carbon Steel	ELF470-100
DFM12776	UltraCon®+ PFH 1/4 X 6	Blue	Phillips Flat	Carbon Steel	ELF480

DEWALT ULTRACON+ SKU	Description	Color	Head Style	Material	ELCO ULTRACON SKU
DFM2ELD385	UltraCon®+ PFH 1/4 X 1-1/4	White	Phillips Flat	Carbon Steel	ELD385
DFM2ELD386	UltraCon®+ PFH 1/4 X 1-3/4	White	Phillips Flat	Carbon Steel	-
DFM2ELD387	UltraCon®+ PFH 1/4 X 2-1/4	White	Phillips Flat	Carbon Steel	-
DFM2ELD388	UltraCon®+ PFH 1/4 X 2-3/4	White	Phillips Flat	Carbon Steel	-
DFM2ELD389	UltraCon®+ PFH 1/4 X 3-1/4	White	Phillips Flat	Carbon Steel	-
DFM2ELD270	UltraCon®+ HHF 1/4 X 1-1/4	White	Hex Flange	Carbon Steel	-
DFM2ELD275	UltraCon®+ HHF 1/4 X 1-3/4	White	Hex Flange	Carbon Steel	ELD275
DFM2ELD285	UltraCon®+ HHF 1/4 X 2-1/4	White	Hex Flange	Carbon Steel	ELD285
DFM2ELD295	UltraCon®+ HHF 1/4 X 2-3/4	White	Hex Flange	Carbon Steel	ELD295
DFM2ELD305	UltraCon®+ HHF 1/4 X 3-1/4	White	Hex Flange	Carbon Steel	ELD305
DFM2ELD250	UltraCon®+ HHWS 1/4 X 1-1/4	White	Hex Washer	Carbon Steel	-
DFM2ELD195	UltraCon®+ HHWS 1/4 X 1-3/4	White	Hex Washer	Carbon Steel	ELD195
DFM2ELD205	UltraCon®+ HHWS 1/4 X 2-1/4	White	Hex Washer	Carbon Steel	ELD205
DFM2ELD215	UltraCon®+ HHWS 1/4 X 2-3/4	White	Hex Washer	Carbon Steel	ELD215
DFM2ELD225	UltraCon®+ HHWS 1/4 X 3-1/4	White	Hex Washer	Carbon Steel	ELD225
DFM2ELD235	UltraCon®+ HHWS 1/4 X 3-3/4	White	Hex Washer	Carbon Steel	ELD235
DFM2ELD245	UltraCon®+ HHWS 1/4 X 4	White	Hex Washer	Carbon Steel	ELD245
DFM2ELD255	UltraCon®+ HHWS 1/4 X 5	White	Hex Washer	Carbon Steel	ELD255
DFM2ELD265	UltraCon®+ HHWS 1/4 X 6	White	Hex Washer	Carbon Steel	ELD265
DFM2ELD200	UltraCon®+ HHWS 3/16 X 1-1/4	White	Hex Washer	Carbon Steel	-
DFM2ELD210	UltraCon®+ HHWS 3/16 X 1-3/4	White	Hex Washer	Carbon Steel	-
DFM2ELD220	UltraCon®+ HHWS 3/16 X 2-1/4	White	Hex Washer	Carbon Steel	-
DFM2ELD230	UltraCon®+ HHWS 3/16 X 2-3/4	White	Hex Washer	Carbon Steel	-
DFM2ELD240	UltraCon®+ HHWS 3/16 X 3-1/4	White	Hex Washer	Carbon Steel	-
DFM2ELD320	UltraCon®+ PFH 3/16 X 1-1/4	White	Phillips Flat	Carbon Steel	ELD320
DFM2ELD330	UltraCon®+ PFH 3/16 X 1-3/4	White	Phillips Flat	Carbon Steel	ELD330
DFM2ELD340	UltraCon®+ PFH 3/16 X 2-1/4	White	Phillips Flat	Carbon Steel	ELD340
DFM2ELD350	UltraCon®+ PFH 3/16 X 2-3/4	White	Phillips Flat	Carbon Steel	ELD350
DFM2ELD360	UltraCon®+ PFH 3/16 X 3-1/4	White	Phillips Flat	Carbon Steel	ELD360
DFM2ELD370	UltraCon®+ PFH 3/16 X 3-3/4	White	Phillips Flat	Carbon Steel	ELD370
DFM2ELD400	UltraCon®+ PFHT 1/4 X 1-3/4	White	Phillips Trimfit	Carbon Steel	ELD400
DFM2ELD410	UltraCon®+ PFHT 1/4 X 2-1/4	White	Phillips Trimfit	Carbon Steel	ELD410
DFM2ELD420	UltraCon®+ PFHT 1/4 X 2-3/4	White	Phillips Trimfit	Carbon Steel	ELD420
DFM2ELD430	UltraCon®+ PFHT 1/4 X 3-1/4	White	Phillips Trimfit	Carbon Steel	ELD430
DFM2ELD440	UltraCon®+ PFHT 1/4 X 3-3/4	White	Phillips Trimfit	Carbon Steel	ELD440
DFM2ELD450	UltraCon®+ PFHT 1/4 X 4	White	Phillips Trimfit	Carbon Steel	ELD450
DFM2ELC145	UltraCon®+ HFH 1/4 X 1-3/4	Silver	Hex Flange	Carbon Steel	ELC145
DFM2ELC151	UltraCon®+ HFH 1/4 X 2-1/4	Silver	Hex Flange	Carbon Steel	ELC151
DFM2ELC160	UltraCon®+ HFH 1/4 X 2-3/4	Silver	Hex Flange	Carbon Steel	ELC160
DFM2ELC170	UltraCon®+ HHF 1/4" X 3-1/4"	Silver	Hex Flange	Carbon Steel	ELC170
DFM2ELG340	UltraCon®+ HWHS 1/4 X 1-1/4	Silver	Hex Washer	Carbon Steel	-
DFM2ELG341	UltraCon®+ HWHS 1/4 X 1-3/4	Silver	Hex Washer	Carbon Steel	ELG341
DFM2ELG371	UltraCon®+ HWHS 1/4 X 2-1/4	Silver	Hex Washer	Carbon Steel	ELG371
DFM2ELG401	UltraCon®+ HWHS 1/4 X 2-3/4	Silver	Hex Washer	Carbon Steel	ELG401
DFM2ELG431	UltraCon®+ HWHS 1/4 X 3-1/4	Silver	Hex Washer	Carbon Steel	ELG431
DFM2ELG521	UltraCon®+ PFH 3/16 X 1-1/4	Silver	Phillips Flat	Carbon Steel	ELG521
DFM2ELG551	UltraCon®+ PFH 3/16 X 1-3/4	Silver	Phillips Flat	Carbon Steel	ELG551
DFM2ELG581	UltraCon®+ PFH 3/16 X 2-1/4	Silver	Phillips Flat	Carbon Steel	ELG581
DFM2ELG611	UltraCon®+ PFH 3/16 X 2-3/4	Silver	Phillips Flat	Carbon Steel	ELG611
DFM2ELG641	UltraCon®+ PFH 3/16 X 3-1/4	Silver	Phillips Flat	Carbon Steel	ELG641
DFM2ELG671	UltraCon®+ PFH 3/16 X 3-3/4	Silver	Phillips Flat	Carbon Steel	ELG671
DFM2ELG770	UltraCon®+ PFHT 1/4 X 1-1/4	Silver	Phillips Flat Trimfit	Carbon Steel	-
DFM2ELG771	UltraCon®+ PFHT 1/4 X 1-3/4	Silver	Phillips Flat Trimfit	Carbon Steel	ELG771
DFM2ELG801	UltraCon®+ PFHT 1/4 X 2-1/4	Silver	Phillips Flat Trimfit	Carbon Steel	ELG801
DFM2ELG831	UltraCon®+ PFHT 1/4 X 2-3/4	Silver	Phillips Flat Trimfit	Carbon Steel	ELG831
DFM2ELG861	UltraCon®+ PFHT 1/4 X 3-1/4	Silver	Phillips Flat Trimfit	Carbon Steel	ELG861
DFM2ELG891	UltraCon®+ PFHT 1/4 X 3-3/4	Silver	Phillips Flat Trimfit	Carbon Steel	ELG891
DFM2ELG921	UltraCon®+ PFHT 1/4 X 4	Silver	Phillips Flat Trimfit	Carbon Steel	ELG921
DFM2ELE465	UltraCon®+ HHWS 1/4 X 4	Bronze	Hex Washer	Carbon Steel	ELE465BZ
DFM2ELG612	UltraCon®+ PFH 3/16 X 2-3/4	Bronze	Phillips Flat Trimfit	Carbon Steel	ELG612
DFM2ELG832	UltraCon®+ PFHT 1/4 X 2-3/4	Bronze	Phillips Flat Trimfit	Carbon Steel	ELG832-I
DFM2ELG862	UltraCon®+ PFHT 1/4 X 3-1/4	Bronze	Phillips Flat Trimfit	Carbon Steel	ELG862-I
DFM2ELG892	UltraCon®+ PFHT 1/4 X 3-3/4	Bronze	Phillips Flat Trimfit	Carbon Steel	ELG892