

Undercut Type Mechanical Expansion Anchors (MEA)

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MEA Diameter	Manufacturer	Product Name	Material Type	ESR ⁽⁴⁾	Stud Diameter	Anchor Length ⁽⁵⁾	h_{ef} ⁽³⁾
3/8"	Dewalt	CCU + Undercut Anchor	Stainless steel	4810	3/8"	6"	4"
1/2"	Dewalt	CCU + Undercut Anchor	Stainless steel	4810	1/2"	7-1/2"	5"
5/8"	Dewalt	CCU + Undercut Anchor	Stainless steel	4810	5/8"	10-3/4"	7-1/2"
3/4"	Dewalt	CCU + Undercut Anchor	Stainless steel	4810	3/4"	14"	10"

Notes:

1. The Undercut MEA size and structural capacity of an individual Undercut MEA anchor or anchor group shall be determined based on ACI 318-14, or later editions. Refer to the Division of Engineering Service's Structural Design Alert – Anchorage to Concrete, dated 5/11/2020.
2. The Undercut MEAs are to be installed in accordance with the manufacturer's installation instructions.
3. 'equiv.' = Equivalent, ' h_{ef} ' = Effective Embedment Depth.
4. International Code Council - Evaluation Service Report (ICC-ESR) per ACI 355.2.
5. Anchor lengths shown are minimum acceptable lengths. The use of longer anchors is permitted.
6. See *Figure 1: Undercut MEA*.

