

The 2018 International Building Code Section 706.2 states: "Fire walls shall be designed and construction to allow collapse of the structure on either side without collapse of the wall under fire conditions." Anchors attaching the fire wall to CMU, Concrete or Steel must have the capability of providing structural performance, but "detach" during a fire.

The majority of our non-wire anchors can be manufactured from Rolled Zinc Alloy 710 material which has a melting point of 792° F. The Rolled Zinc Alloy material is available 1/8" thick only. It is not available in wire.

	Zinc Alloy 710	Stainless 304	DQ 1008 Steel	Aluminum 3003
Density (lb/in ³)	0.259	0.29	0.284	0.099
Melting Point (F)	792	2,550	2,730	1,190
Tensile Strength (ksi)	21 - 28	75 - 90	38 - 50	16 - 29
% Elongation (in 2")	30 - 45	40 - 65	35 - 45	16 - 40
Olsen Ductility (in)	.25 - .35	.10 - .30	.35 - .42	.15 - .35
Hardness (R15T)	55 - 68	88 max	73 - 77	35
Shear Strength (ksi)	24 - 28	60 - 120	45 - 52	12
Yield Strength (ksi)	15.9 - 18.8	30 - 40	21 - 31	18

Popular Heckmann Anchors commonly used for fire walls



341-A



341-B



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