



Taper-Lock System GR80 Type 2 Compliance

- Testing was conducted on D310 Standard couplers.
- Results are applicable to similar design products such as D320 and D340
- All testing was done by an independent third party laboratory per AC133 using bar grade ASTM A615 GR80.
- Installation procedure outlined in Dayton Superior Installation Instructions.
- Please contact Technical support with any questions.

Test ID	Bar Size	Coupler Type	Reinforcing Bar Type	Bar Area (in ²)	Tensile Strength (kips)	Tensile Strength (ksi)	%Fy 80 KSI	Type 1 125% of Fy	%Fu 105 KSI	Type 2 100% of Fu
6036	4	D310	ASTM A615 GR80	0.20	23.1	115.5	144%	Pass	110%	Pass
6037	4	D310	ASTM A615 GR80	0.20	23.1	115.5	144%	Pass	110%	Pass
6038	4	D310	ASTM A615 GR80	0.20	23.1	115.5	144%	Pass	110%	Pass
6039	4	D310	ASTM A615 GR80	0.20	22.6	113.0	141%	Pass	108%	Pass
6040	4	D310	ASTM A615 GR80	0.20	23.2	116.0	145%	Pass	110%	Pass
6041	5	D310	ASTM A615 GR80	0.31	34.7	111.9	140%	Pass	107%	Pass
6042	5	D310	ASTM A615 GR80	0.31	35.3	113.9	142%	Pass	108%	Pass
6043	5	D310	ASTM A615 GR80	0.31	34.8	112.3	140%	Pass	107%	Pass
6044	5	D310	ASTM A615 GR80	0.31	35.1	113.2	142%	Pass	108%	Pass
6045	5	D310	ASTM A615 GR80	0.31	35.2	113.5	142%	Pass	108%	Pass
6046	6	D310	ASTM A615 GR80	0.44	49.6	112.7	141%	Pass	107%	Pass
6047	6	D310	ASTM A615 GR80	0.44	50.3	114.3	143%	Pass	109%	Pass
6048	6	D310	ASTM A615 GR80	0.44	49.4	112.3	140%	Pass	107%	Pass
6049	6	D310	ASTM A615 GR80	0.44	50.2	114.1	143%	Pass	109%	Pass
6050	6	D310	ASTM A615 GR80	0.44	49.9	113.4	142%	Pass	108%	Pass
6059	7	D310	ASTM A615 GR80	0.60	71.1	118.5	148%	Pass	113%	Pass
6060	7	D310	ASTM A615 GR80	0.60	70.8	118.0	148%	Pass	112%	Pass
6061	7	D310	ASTM A615 GR80	0.60	71.1	118.5	148%	Pass	113%	Pass
6062	7	D310	ASTM A615 GR80	0.60	70.2	117.0	146%	Pass	111%	Pass
6063	7	D310	ASTM A615 GR80	0.60	70.8	118.0	148%	Pass	112%	Pass
6064	8	D310	ASTM A615 GR80	0.79	89.6	113.4	142%	Pass	108%	Pass
6065	8	D310	ASTM A615 GR80	0.79	89.8	113.7	142%	Pass	108%	Pass
6066	8	D310	ASTM A615 GR80	0.79	90.6	114.7	143%	Pass	109%	Pass
6067	8	D310	ASTM A615 GR80	0.79	89.6	113.4	142%	Pass	108%	Pass
6068	8	D310	ASTM A615 GR80	0.79	90.4	114.4	143%	Pass	109%	Pass
6069	9	D310	ASTM A615 GR80	1.00	114.4	114.4	143%	Pass	109%	Pass
6070	9	D310	ASTM A615 GR80	1.00	114.6	114.6	143%	Pass	109%	Pass
6071	9	D310	ASTM A615 GR80	1.00	114.2	114.2	143%	Pass	109%	Pass
6072	9	D310	ASTM A615 GR80	1.00	114.2	114.2	143%	Pass	109%	Pass
6073	9	D310	ASTM A615 GR80	1.00	114.1	114.1	143%	Pass	109%	Pass
6087	10	D310	ASTM A615 GR80	1.27	139.8	110.1	138%	Pass	105%	Pass
6088	10	D310	ASTM A615 GR80	1.27	144.7	113.9	142%	Pass	108%	Pass
6089	10	D310	ASTM A615 GR80	1.27	140.2	110.4	138%	Pass	105%	Pass
6090	10	D310	ASTM A615 GR80	1.27	141.5	111.4	139%	Pass	106%	Pass
6091	10	D310	ASTM A615 GR80	1.27	137.3	108.1	135%	Pass	103%	Pass
6092	11	D310	ASTM A615 GR80	1.56	182.8	117.2	147%	Pass	112%	Pass
6093	11	D310	ASTM A615 GR80	1.56	189.5	121.5	152%	Pass	116%	Pass
6094	11	D310	ASTM A615 GR80	1.56	185.3	118.8	149%	Pass	113%	Pass
6095	11	D310	ASTM A615 GR80	1.56	173.3	111.1	139%	Pass	106%	Pass
6096	11	D310	ASTM A615 GR80	1.56	188.5	120.8	151%	Pass	115%	Pass
10544	14	D310	ASTM A615 GR80	2.25	253.6	112.7	141%	Pass	107%	Pass
10545	14	D310	ASTM A615 GR80	2.25	249.8	111.0	139%	Pass	106%	Pass
10551	14	D310	ASTM A615 GR80	2.25	250.4	111.3	139%	Pass	106%	Pass
10552	14	D310	ASTM A615 GR80	2.25	252.5	112.2	140%	Pass	107%	Pass
10553	14	D310	ASTM A615 GR80	2.25	253.1	112.5	141%	Pass	107%	Pass
10559	18	D310	ASTM A615 GR80	4.00	467.5	116.9	146%	Pass	111%	Pass
10560	18	D310	ASTM A615 GR80	4.00	469.1	117.3	147%	Pass	112%	Pass
10561	18	D310	ASTM A615 GR80	4.00	459.6	114.9	144%	Pass	109%	Pass
10562	18	D310	ASTM A615 GR80	4.00	440.7	110.2	138%	Pass	105%	Pass
10563	18	D310	ASTM A615 GR80	4.00	451.9	113.0	141%	Pass	108%	Pass