



D158B DB/DI Plain End Anchor ASTM A970 Class HA Compliance

- Testing was conducted on D158B DB/DI Plain End Anchor.
- All testing was done by an independent third party laboratory per IAPMO EC006 using ASTM A706 GR 60.
- These test results are applicable to other DB/DI End Anchor products such as D158C, D158D, D158E and others.
- Installation procedure outlined in Dayton Superior Installation Instructions.
- Please contact Technical support with any questions.

Test ID	Coupler Size	Coupler Type	Reinforcing Bar Type	Bar Area (in2)	Tensile Strength (kips)	Tensile Strength (ksi)	%Fu 80 KSI	ASTM A970 Class HA 100% Fu
4-1	4	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.20	19.5	97.3	122%	Pass
4-2	4	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.20	18.6	93.0	116%	Pass
4-3	4	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.20	18.8	94.2	118%	Pass
4-4	4	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.20	18.4	92.0	115%	Pass
4-5	4	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.20	18.7	93.6	117%	Pass
5-1	5	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.31	29.4	94.9	119%	Pass
5-2	5	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.31	29.5	95.3	119%	Pass
5-3	5	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.31	29.3	94.6	118%	Pass
5-4	5	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.31	29.5	95.1	119%	Pass
5-5	5	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.31	29.8	95.3	119%	Pass
6-1	6	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.44	42.7	97.1	121%	Pass
6-2	6	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.44	40.8	92.6	116%	Pass
6-3	6	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.44	42.2	96.0	120%	Pass
6-4	6	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.44	40.4	91.8	115%	Pass
6-5	6	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.44	42.9	97.5	122%	Pass
7-1	7	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.60	57.8	96.3	120%	Pass
7-2	7	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.60	57.0	95.0	119%	Pass
7-3	7	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.60	57.2	95.4	119%	Pass
7-4	7	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.60	56.9	94.9	119%	Pass
7-5	7	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.60	57.0	95.1	119%	Pass
8-1	8	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.79	71.9	91.6	114%	Pass
8-2	8	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.79	72.1	91.8	115%	Pass
8-3	8	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.79	72.8	92.6	116%	Pass
8-4	8	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.79	72.8	92.7	116%	Pass
8-5	8	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	0.79	73.2	93.2	116%	Pass
9-1	9	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.00	96.8	96.8	121%	Pass
9-2	9	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.00	96.6	96.6	121%	Pass
9-3	9	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.00	96.5	96.5	121%	Pass
9-4	9	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.00	94.9	94.9	119%	Pass
9-5	9	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.00	94.3	94.3	118%	Pass
10-1	10	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.27	101.8	80.1	100%	Pass
10-2	10	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.27	101.9	80.2	100%	Pass
10-3	10	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.27	102.2	80.5	101%	Pass
10-4	10	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.27	101.7	80.0	100%	Pass
10-5	10	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.27	102.1	80.4	100%	Pass
11-1	11	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.56	147.9	94.8	119%	Pass
11-2	11	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.56	151.0	96.8	121%	Pass
11-3	11	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.56	145.2	93.1	116%	Pass
11-4	11	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.56	130.8	83.9	105%	Pass
11-5	11	D158B DB/DI Plain End Anchor	ASTM A706 GR 60	1.56	137.0	87.8	110%	Pass