



UNITED STATES
NUCLEAR REGULATORY COMMISSION
Washington, D.C. 20555

February 4, 1993

ERRATA SHEET

Report Number: NUREG/CR-5879

Report Title: Comparison of J_{IC} and J-R Curves for Short Crack and Tensilely Loaded Specimen Geometries of a High Strength Structural Steel

Prepared by: U.S. Naval Academy

Date Published: November 1992

Instructions: Please replace pages 43, 51, 53, 54, 55 and 56 with the attached corrected pages.

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Table 7 Critical J and T Coefficients

Specimen ID	Type	a/W	Side Groove (Y/N)	B (mm)	J_{Ic} (kJ/m ²)	T (1 mm)
FYO 1	SE(B)	0.66	Y	50.	100.2	25.2
FYO 2	SE(B)	0.66	N	50.	140.2	37.1
FYO 3	SE(B)	0.66	Y	50.	123.6	31.2
FYO 4	SE(B)	0.63	N	50.	147.2	38.8
FYO 5	SE(B)	0.66	N	50.	135.9	35.7
FYO 21	SE(B)	0.14	Y	50.	159.0	49.9
FYO 23	SE(B)	0.13	N	50.	223.6	77.2
FYO 25	SE(B)	0.13	N	25.	198.3	44.8
FYO 26	SE(B)	0.13	Y	25.	146.9	35.6
FYO 27	SE(B)	0.14	Y	25.	155.8	48.0
FYO 150	SE(B)	0.61	Y	25.	130.2	21.3
FYO 151	SE(B)	0.61	Y	25.	116.4	26.6
FYO 153	SE(B)	0.61	N	25.	114.0	33.7
FYO 154	SE(B)	0.61	N	25.	114.5	42.7
FYO 155	SE(B)	0.60	N	12.5	131.5	65.6
FYO 157	SE(B)	0.60	N	12.5	154.2	63.0
FYO 158	SE(B)	0.60	Y	12.5	125.9	23.8
FYO 159	SE(B)	0.62	Y	12.5	161.4	24.2
FYO 160	SE(B)	0.11	Y	12.5	107.8	38.2
FYO 161	SE(B)	0.11	Y	12.5	102.2	40.9
FYO 162	SE(B)	0.11	N	12.5	198.4	61.2
FYO 2SB	SE(T)	0.40	Y	25.	196.9	36.1
FYO 3SP	SE(T)	0.47	Y	25.	305.1	34.3
FYO 4SA	SE(T)	0.65	Y	25.	285.2	24.3
FYO 10SA	SE(T)	0.35	Y	25.	226.1	43.4
FYO 11SB	DE(T)	0.68	Y	25.	79.3	31.0
FYO 12SA	DE(T)	0.61	Y	25.	96.1	39.2

Table 8 Critical Constraint Coefficients

Specimen ID	Type	a/W	Side Groove (Y/N)	B mm	β	T _{01c} MPa	Q _{1c}
FYO 1	SE(B)	0.66	Y	50.	0.476	216.6	-0.1
FYO 2	SE(B)	0.66	N	50.	0.476	256.3	-0.1
FYO 3	SE(B)	0.66	Y	50.	0.476	240.8	-0.1
FYO 4	SE(B)	0.63	N	50.	0.427	241.0	-0.1
FYO 5	SE(B)	0.66	N	50.	0.476	252.6	-0.1
FYO 21	SE(B)	0.14	Y	50.	-0.311	-387.7	-0.8
FYO 23	SE(B)	0.13	N	50.	-0.322	-493.7	-0.8
FYO 25	SE(B)	0.13	N	25.	-0.322	-464.6	-0.8
FYO 26	SE(B)	0.13	Y	25.	-0.322	-400.2	-0.8
FYO 27	SE(B)	.014	Y	25.	-0.311	-383.8	-0.8
FYO 150	SE(B)	0.61	Y	25.	0.395	213.2	-0.1
FYO 151	SE(B)	0.61	Y	25.	0.395	201.6	-0.1
FYO 153	SE(B)	0.61	N	25.	0.395	199.5	-0.1
FYO 154	SE(B)	0.61	N	25.	0.395	199.9	-0.1
FYO 155	SE(B)	0.60	N	12.5	0.381	208.4	-0.1
FYO 157	SE(B)	0.60	N	12.5	0.381	225.7	-0.1
FYO 158	SE(B)	0.60	Y	12.5	0.381	203.9	-0.1
FYO 159	SE(B)	0.62	Y	12.5	0.411	245.2	-0.1
FYO 160	SE(B)	0.11	Y	12.5	-0.345	-398.7	-0.8
FYO 161	SE(B)	0.11	Y	12.5	-0.345	-388.2	-0.8
FYO 162	SE(B)	0.11	N	12.5	-0.345	-540.9	-0.8
FYO 2SB	SE(T)	0.40	Y	25.	-0.270	-198.0	-0.34
FYO 3SB	SE(T)	0.47	Y	25.	-0.183	-154.2	-0.23
FYO 4SA	SE(T)	0.65	Y	25.	-0.101	-70.0	-0.08
FYO 10SA	SE(T)	0.35	Y	25.	-0.325	-273.1	-0.34
FYO 11SB	DE(T)	0.68	Y	25.	-0.407	-205.4	-0.43
FYO 12SA	DE(T)	0.61	Y	25.	-0.433	-253.9	-0.6

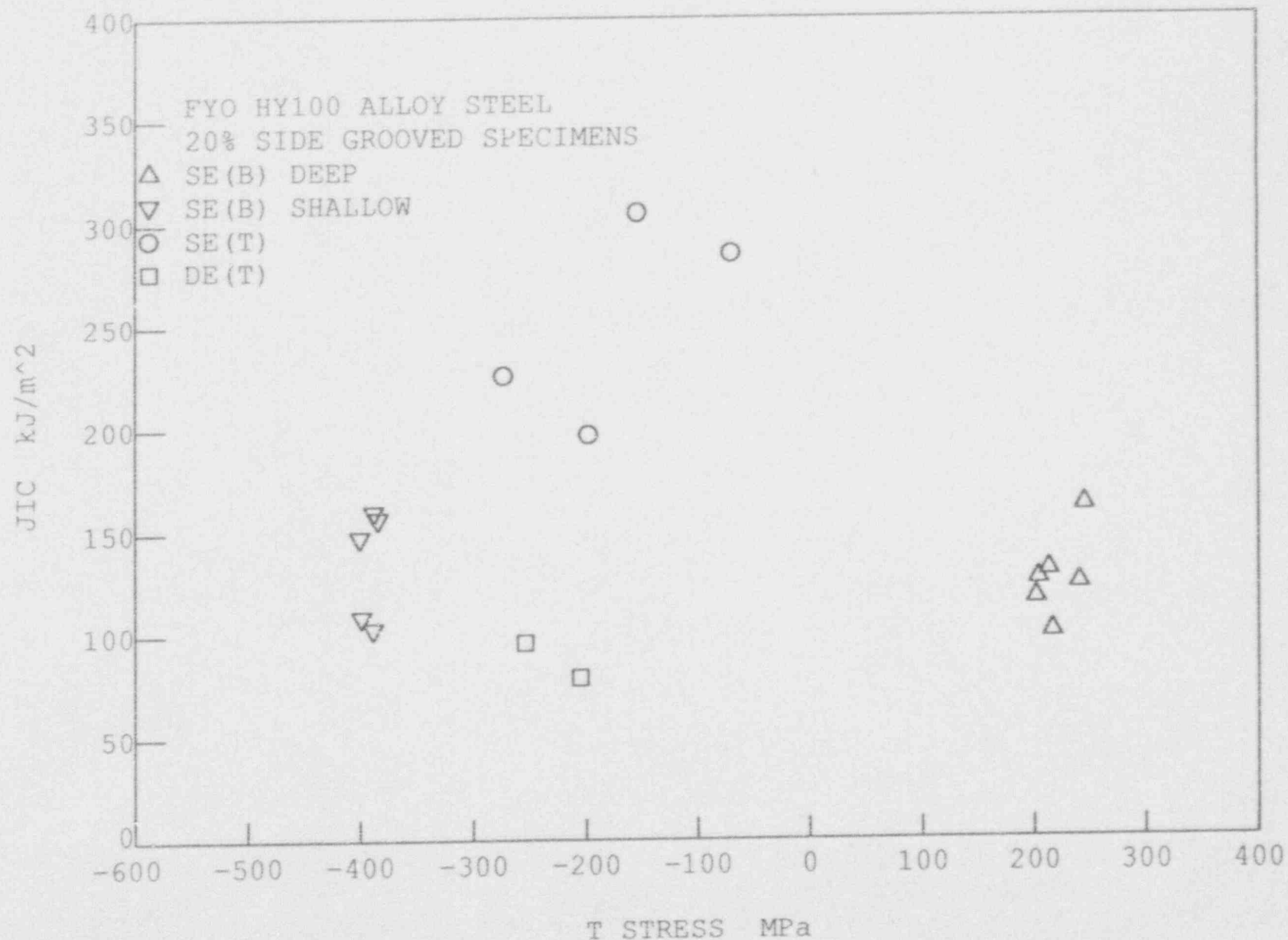


Figure 25. J_{Ic} Versus T_0 for the Side Grooved Specimens

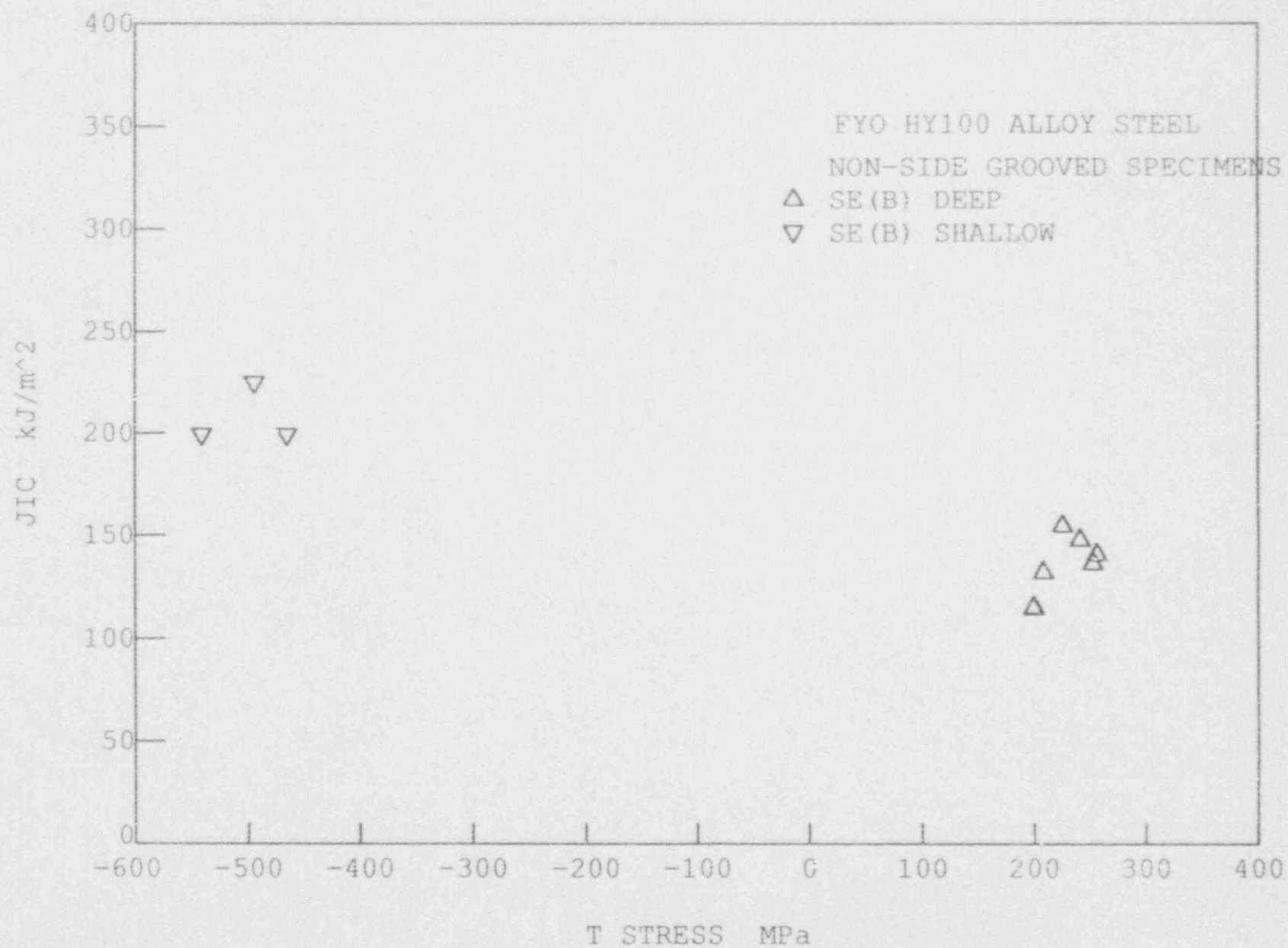


Figure 26. J_{Ic} Versus T_σ for the Non-Side Grooved Specimens

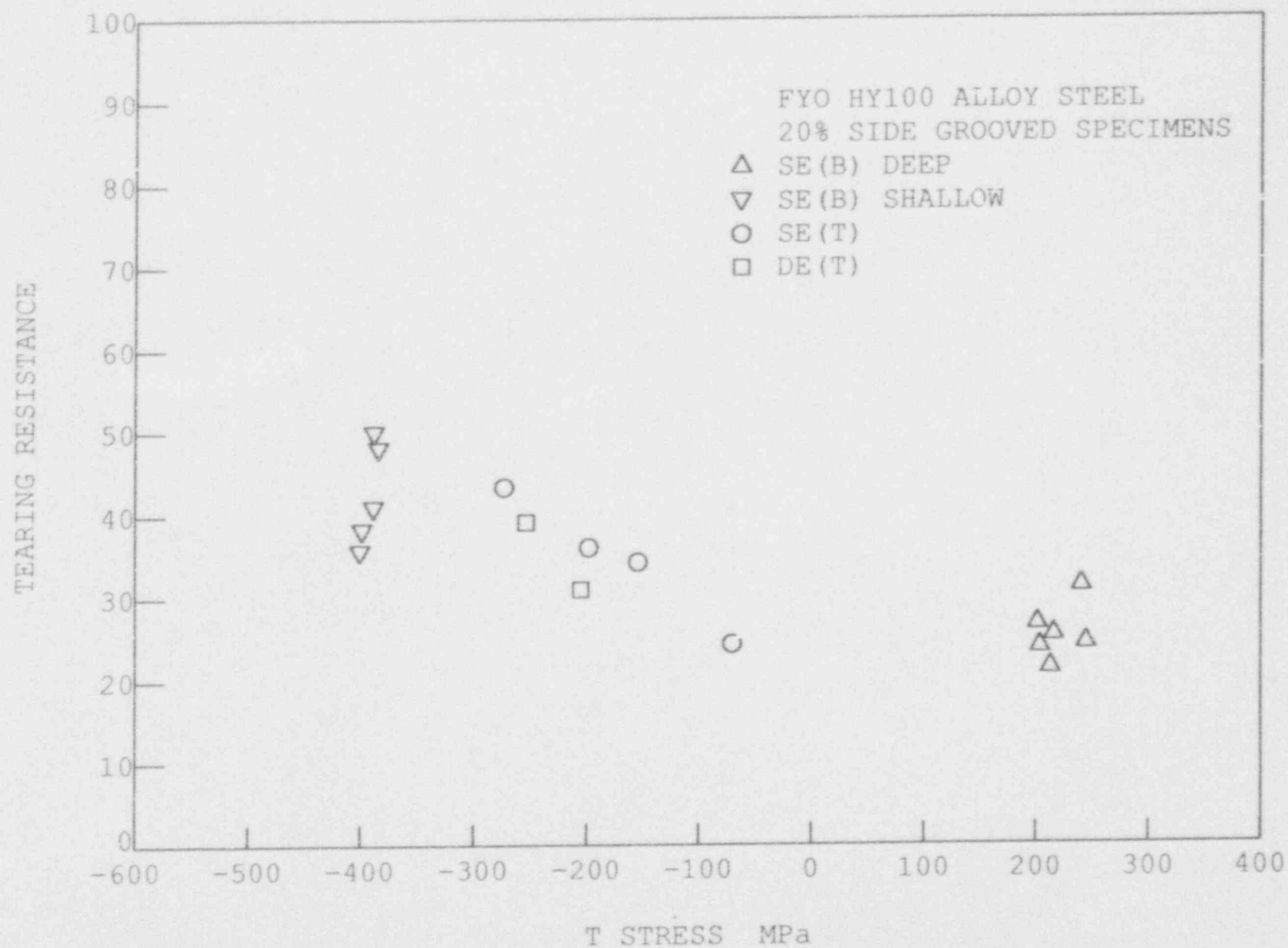


Figure 27. Tearing Resistance Versus T_0 for the Side Grooved Specimens

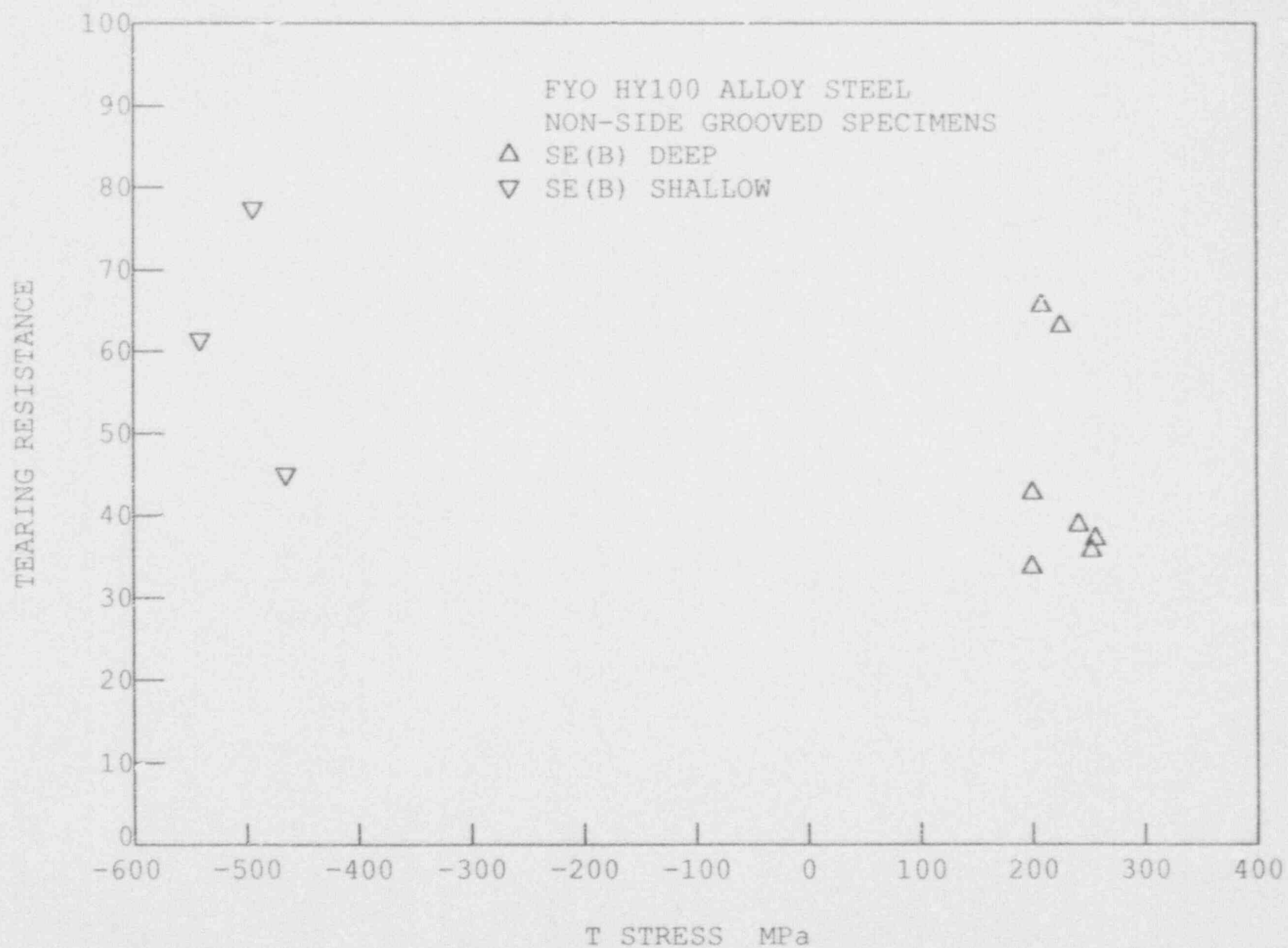


Figure 28. Tearing Resistance Versus T_g for the Non-Side Grooved Specimens

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