

CWB Association | Association CWB

Issue 4 – Wednesday March 5th (2024 2025 Season)

Hamilton and Region

Please plan to attend our next Seminar or plant tour.

This month our dinner and seminar will be at the Burlington Holiday Inn.

Located at 3063 South Service Road, Burlington. Attitude adjustment: 5:30 p.m. Dinner: 6:00 (Sharp) Seminar 7:00 pm Dinner entrance fees for this meeting are Student \$20 non-student \$35.00

Торіс

"Aluminum Welding"

By Raheel Khan

Raheel Khan is the Global Manager for Aluminum Sales at Lincoln Electric Company of Canada. He represents Lincoln's only aluminum facility, which is located in Mississauga Ontario. He has worked in the industry for 11 years within Lincoln in various roles and regions including Manitoba, Saskatchewan, and Alberta. Raheel is an alumni of Hamilton's McMaster University.

This presentation will focus on global trends in the aluminum industry, manufacturing challenges, and advancements in new welding processes to address these challenges.

- How the usage of aluminum is evolving in various industries including Automotive (Electric Vehicles), Energy, Transportation, and Shipbuilding
- How these application requirements for these new structures is changing the base material alloy chemistry requirements, and subsequently the filler metal requirements to keep up
- Brief insight into some new technologies that are emerging, including advanced welding modes and laser technology
- Brief insight into aluminum filler metal manufacturing process right here in Ontario (Canada)



April 16th, 2025 *Topic or Tour:* To be Announced Contact any Hamilton Chapter Board Member **Note! You must register in advance.**

Please register by contacting Franco Piccoli (905)317-6543 Franco.Piccoli@lawsonproducts.com

Extracted from CWB module 12 (page 48)



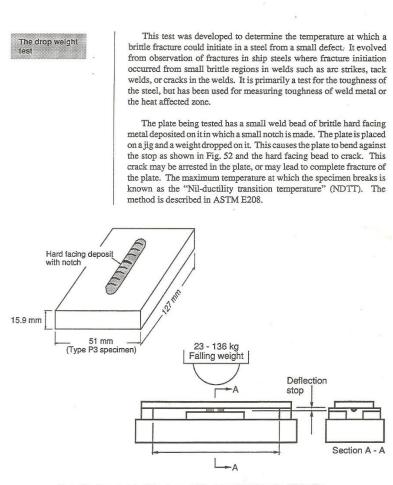


Figure 52. The principle of the drop weight test for determining the Nil-ductility transition temperature (NDTT) of a steel.

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(for more information see page 48 CWB module 12 "Mechanical Testing of Welds")

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Toll Free
1-800-844-6790,
Ext. 256
Fax: 905-542-1318
E-Mail:
hamilton@cwbassociation.org
Web site:
www.cwbgroup.org/association
How to contact us
CWB Association
Administration Office
8260 Park Hill Drive Milton,
ON L9T-5V7

Chair: Ian Mehlenbacher	ianmehlenbacher@gmail.com
Vice Chair: Don Hutt	cwa_publicity@cogeco.ca
Treasurer: Franco Piccoli	Lawson Products Inc-Cronatron/Certanium
	Divisions (905) 317-6543
Secretary: Sam Gamble	sgamble@hwdsb.on.ca
Publicity Chair: Brian Smith	brian.smith.47@hotmail.com
Jonas Sykula (Education Liaison)	jsykula@hwdsb.on.ca
Mark Sitko (Education Liaison)	msitko@bhncdsb.ca
Don Murdoch (Education Liaison)	murdoch0975@gmail.com
Yasser Elmasri (Industry Liaison)	yassere@waltersinc.com
Jake Boekestyn (Industry Liaison)	jakeboek@gmail.com