

Taper-Lock Finds a Spot in New Parking Garage

SUMMARY

The \$85 million Eastwood Towne Center project is situated on 14 acres in Lansing Township, Michigan. The development is projected to jump start the local economy with a variety of restaurants, retail and residential opportunities. The project also includes a new multi-level parking garage to accommodate the many diners, shoppers and residents of Eastwood Towne Center.

CUSTOMER

- Ambassador Steel
- Bee Steel
- Grand River Construction Company

PROJECT

- Eastwood Towne Center Parking Garage
- Construction Category: Parking Garages

CHALLENGE

The customer was faced with producing high-quality threaded ends, particularly the larger #14 and #18 rebar on a tight timeline to meet delivery demands.

SOLUTION

With the Taper-Lock 2G Machine, all the moving parts are encased in the machine providing additional safety for machine operators while maintaining a high speed cut and thread rate.

“When looking at this project and the large volume of #14 and #18 rebar that needed to be threaded, we felt that the Taper-Lock 2G Machine would help Ambassador deliver,” explained Todd Brigham, Shop Superintendent with Ambassador Steel. “We chose Taper-Lock because we would be able to produce more while offering cleaner bars after threading. In addition, the machine offered increased operator safety over the competition and required less maintenance than other machines. Added benefits were the ease of maintenance, faster change out to chasers and the machines cutting fluid is cleaner and safer for the environment.”



The Taper-Lock 2G Machine quickly creates tapered, threaded ends for connecting rebar with Taper-Lock connectors.



With a large number of tapered rebar ends to create, Ambassador Steel appreciated the speed and quality they achieved with the Taper-Lock Machine.

“With a new 2G machine in our shop, Dayton Superior has provided great phone and field support,” added Jeff Wyngarden, Sales Manger at Ambassador Steel. “The proactive approach by Dayton Superior helped keep Ambassador Steel producing, reducing any down time.”

RESULTS

- Using the Taper-Lock machine resulted in labor savings of approximately \$4,000
- The Taper-Lock machine provides increased safety over traditional splicing methods
- Water soluble cutting fluid used with Taper-Lock is better for the environment
- Automation allows for an increased cutting speed resulting in time and money savings

RESOURCES

Learn more about Dayton Superior’s Taper-Lock system at: daytonsuperior.com/taperlock

OTHER PRODUCTS USED ON THE PROJECT:

- Spacer Wheels
- Steel-Ply®
- Garage Beam System



Plastic Spacer Wheels provide a simple way to center the rebar cage inside the concrete forms.

DAYTON SUPERIOR TAPER-LOCK PRODUCT SPECIFICATIONS

- Complete line of Taper-Lock couplers ranging from size #4 (13 mm, 10M) - #18 (57 mm, 55M)
- Taper-Lock design allows the coupler to self-align onto the taper-threaded rebar.
- Faster installation times
- Taper-Lock complies with and is listed on industry approvals, including:
IAPMO ER-0319
CALTRANS
Ministries of Ontario and Quebec
Army Corp of Engineers

Additional product information is available online at www.daytonsuperior.com. Contact your Dayton Superior representative at 888-977-9600, or send an email to info@daytonsuperior.com if you would like to discuss how these or other innovative systems can make your construction projects more productive.



The all-steel Garage Beam System provides custom engineered components and a detailed plan for parking structures.