

INSTALLATION INSTRUCTIONS FOR LENTON FORM SAVER DBS TAPER THREADED COUPLERS



Safety Instructions:

All safety regulations required by the jobsite must be observed. Special attention should be given to the following instructions:

1. Observe all Federal, State and local safety regulations.
2. Wear a hard hat.
3. Wear gloves to avoid cuts and abrasions.
4. Wear safety glasses at all times.
5. Be aware of personnel working above, below and around.
6. Watch out for pinch points.

Lenton Form Saver is a 2 piece dowel bar assembly, consisting of a taper threaded coupler which is factory attached to the rebar and a separate reinforcing bar with external tapered threads.

FORM SAVER assemblies are shipped from Regional Manufacturing Centers with factory installed thread protection on the couplers and on the threaded rebar, as well as mounting plates to assist in positioning the assembly against the formwork.

* For transition couplers, use the corresponding inspection wrench setting to the correct bar sizes being spliced.

BAR SIZE DESIGNATION		INSPECTION WRENCH SETTING
In/Lb (Metric)	Soft Metric [Canada]	
#4 (12mm)	13 [10M]	30
#5 (16mm)	16 [15M]	90
#6 (20mm)	20 [20M]	130
#7 (22mm)	22 - - -	160
#8 (25mm)	25 [25M]	200
#9 (29mm)	29 [30M]	200
#10 (32mm)	32 - - -	200
#11 (36mm)	36 [35M]	200
#14 (43mm)	43 [45M]	200
#18 (57mm)	57 [55M]	200

INSTALLATION:

Step 1: Ensure you are installing the bar size as per plan. Be sure that the internal thread protection is installed in the end of the coupler.



Step 2: Lay the Form Saver dowel parallel with rebar to be spliced. Position coupler plate flush against formwork and tie the female Form Saver to the rebar mat. Be sure the bars are properly supported. Roofing nails can be used to assure the coupler plate stays flush against formwork. The plate on the coupler is not intended to support the weight of the bar, workmen or equipment.



Step 3: - After concrete is placed and forms are stripped, the protective disk and face plate of the coupler are visible. The protective disk can be removed with a screwdriver.



(Puncture cap
and pry out disk)

Step 4: Remove the bar end protector from the male bar. Visually inspect the thread to make sure it is a LENTON tapered thread and is undamaged and free of rust or debris. Use a wire brush if threads need to be cleaned.



Step 5: Insert the tapered end of the bar to be spliced into the coupler. Rotate the bar **clockwise** until hand tight (approx. 4 -1/2 turns). Using a standard pipe wrench, rotate the bar **clockwise** to securely tighten assembly. The LENTON inspection wrench can be used by inspector to periodically check tightness. (see chart for wrench setting)

