

## SPECIAL TUBE EXPANDERS

### STEP ROLLING EXPANDER (BAFFLE PLATE EXPANDERS)



Ideally suited for faster tube rolling in tube sheets that are 10" (250 mm) and thicker without removing the tube expander from the tube. Tube expander cage 1"

#### DIESEL ENGINE EXPANDER



A special series of tube expanders designed for rolling the injection sleeves into the head of diesel engines. These tube expanders are made to order for each application, and a detailed drawing of the injector sleeve and the engine head must accompany the order to ensure proper tube expander design.

#### SR EXPANDER



The rapid taper on the mandrel of this tube expander allows full expansion of the tube with minimum travel of the mandrel. The mandrel is retained at the rear of the tube expander to shorten the length of the tube expander and to allow the tube expander to be used near sharp tube bends.

## HYDRAULIC THRUST TUBE EXPANDERS

**FOR USE WITH VMH HYDRAULIC EXPANSION SYSTEM FOR HEAT EXCHANGERS.**



#### *Features :*

- This system uses high speed steel tube expanders to expand very thick wall and exotic harder tubes, where conventional expanders would fail.
- Axis of the roll slot in tool is parallel to the cage axis.
- Internal cylindricity of the expanded tube.
- Reduction of tube stretching.
- Better quality of tube to tube sheet contact.
- Reduction in tube internal stress.
- Hydraulic Thrust tube expanders are interchangeable and can be used with 'Vernon' hydraulic tube expanding systems.

**TOOLS FOR USE WITH VMH HYDRAULIC EXPANSION SYSTEM.**



**'S' Series**

For Tube Sizes	1/2" - 2" O.D.
Roller Length	1.1/2" - 2.1/2"
For Tube Sheets	1.1/4" - 5.1/2"



**'A' Series**

For Tube Sizes	1/2" - 1.1/4" O.D.
Roller Length	2.5/16" - 3.1/2"
For Tube Sheets	2.3/16" - 3.3/8"

**Note :** Please ask for catalog number HTTE/038/1 for detailed selection of Hydraulic Thrust tube expanders.