

# API Adaptor Wear Inspection Gauge

## The Most Accurate Way to Measure the Mating Surface Quality of API Adaptors

Engineered Systems now offers Civacon's API Adaptor Wear Inspection Gauge for API adaptors.

As a result of the continuous coupling and uncoupling during the loading and unloading process, the mating surface becomes worn. Ultimately, the consequence of this wear will lead to product leakage.

The API Adaptor Wear Inspection Gauge is the most reliable way to ensure the mating surface between an API adaptor and a loading coupler cam is appropriate for use and meets API Recommended Practice 1004 (API RP 1004).



**API Adaptor  
Wear Inspection  
Gauge**



**API adaptor shown with API Adaptor Wear Inspection Gauge attached**

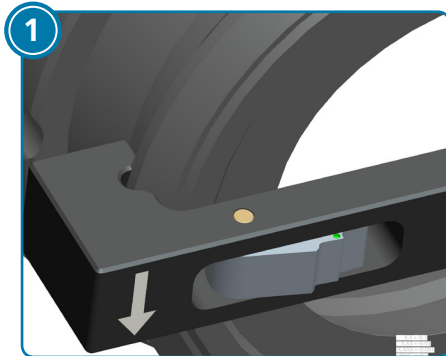
### Features & Benefits:

- Works right out of the box, no calibration required
- Simple to use
- No tools needed
- Easy-to-read visual indicator makes testing quick and clear
- Proper utilization can reduce spills and leaks



# API Adaptor Wear Inspection Gauge

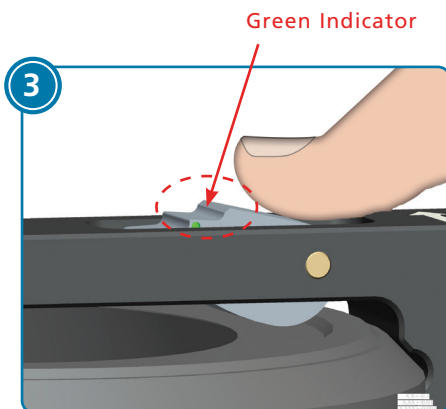
## Procedure for Inspecting the API Nose Cam Mating Surface



Position the API Adaptor Wear Inspection Gauge over the nose of the API adaptor. Make sure the arrows on the front of the Wear Gauge are pointing downward.

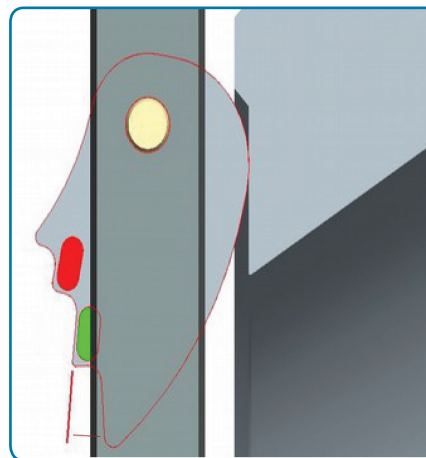


If no wear is present on the nose of the API adaptor, the Wear Gauge should self-center. To center the Wear Gauge on a worn API adaptor, place a mark on the center of the API adaptor and align the mark with the Wear Gauge's built-in sight hole. NOTE: The Wear Gauge must be centered on the API adaptor to achieve accurate gauging.



After verifying the Wear Gauge is centered on the API adaptor, press the Gauge Dial. The Gauge Dial will reveal a red or green indicator. A red indicator tells the operator that the API adaptor exceeds maximum acceptable wear and should be replaced. A green indicator informs the operator of a normal or good API adaptor.

## How to Read the Gauge Settings



Green — Means "Go" or that the gauge body is normal or in good condition.

Red — Means "No-Go" or the API adaptor exceeds the maximum acceptable level of wear and should be replaced.

## Ordering Information

### PN 12749 – API Adaptor Gauge

*RECOMMENDATIONS: While the API Adaptor Wear Gauge does not require calibration, it is recommended the Gauge be tested on a new API adaptor to ensure proper testing technique and that no damage has occurred. It is also recommended that the Gauge assembly be inspected for wear and damage before every use.*