

## Technical Bulletin

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### Description: Modify Torque Track Lifting Eye Detail to Interface with New Torque Track Lifting Bar p/n 970153



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#### BACKGROUND INFORMATION:

TESCO Sustaining Engineering had adopted new design criteria for TESCO's lifting devices, in accordance with API Standard 8C, and with U.S. Department of Labor Occupational Safety and Health Administration (OSHA) Regulation 1926.251 which requires a minimum design factor of 5x with respect to ultimate material strength. The old torque track lifting bracket, TESCO p/n 4086, had been discontinued because its design factor is only about 3x depending on the length and style of torque track being lifted; and had been replaced by the new torque track lifting bar, TESCO p/n 970153, which has a working load limit of 7 tons with respect to TESCO's new design criteria, and therefore may be used universally for any TESCO torque path installation.

At the same time, the lifting eye details on the design drawings for every segment of torque track that TESCO manufactures had been updated to interface with the new torque track lifting bar on ECN-134-0007.

Moving forward only the new style torque track lifting bar will be supplied with each new set of torque track, and the old torque track lifting bracket will be available for use only with legacy torque track segments.

The new torque track lifting bar is much thicker than the old torque track lifting bracket (outside diameter of Ø1.95" compared to Ø1.25", respectively). Therefore, the new torque track lifting bar is not compatible with the lifting eye detail of any pre-existing torque track segment.

#### AFFECTED PRODUCT:

No torque track segment manufactured prior to ECN-134-0007 (approximately February 2007) will be compatible with the new torque track lifting bar.

#### ACTION REQUIRED:

TESCO recommends that the new torque track lifting bar be used in preference to the old torque track lifting bracket; but TESCO does not require that use of the old torque track lifting bracket must be discontinued. The old torque track lifting bracket had been used successfully since September 1995 and for hundreds of top drives and thousands of installations with no known failure, but since it does not meet the newly adopted design criteria TESCO has taken the step of replacing the design.

In order to use the new torque track lifting bar to hoist a segment of torque track with an old lifting eye detail (dating prior to ECN-134-0007), the torque track segment must first be modified with the new lifting eye detail.

Every segment of TESCO torque track that may be installed together as a complete torque path assembly within a drilling rig must be modified at the same time; and after the modification is complete no part of the torque track assembly should ever be hoisted with the old torque track lifting bracket. Once modified, no part of the torque track assembly should ever be lifted by any torque track lifting bar other than TESCO p/n 970153.

Refer to TESCO Engineering Memo EM000164 which provides complete technical details for how to modify the lifting eye detail of any torque track segment manufactured prior to ECN-134-0007 such that it will be compatible with the new torque track lifting bar, TESCO p/n 970153.



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**Contact your local TESCO Parts and Service Center for further information regarding this bulletin and or supply of affected components noted above.**