


Technical Bulletin			 <p>Tesco Corporation 3993 W. Sam Houston Pkwy N. Suite 100 Houston, Texas 77043 Phone: (713) 359-7000 www.tescocorp.com</p>
No: TB074	Rev: Rev 0	Date: 6Jan2010	
Mark 2 (MK2) Die Sets Available for TESCO's External Casing Drive Systems			

BACKGROUND INFORMATION:

With TESCO's ongoing commitment to improve and provide safer equipment for the drilling industry, TESCO is introducing Mark 2 (MK2) die sets to be used with TESCO's External Casing Drive Systems (ECDS). The MK2 ECDS die sets are designed to provide improved gripping performance for torque and tension on all grades of carbon steel casing. MK2 ECDS die sets can also be used with corrosion resistant alloy (chrome) casing provided it is acceptable to the customer.

TECHNICAL INFORMATION:

TESCO has identified incidents in the field where casing slippage occurred, while operating the External Casing Drive System (ECDS) with P110 grade casing.

TESCO Engineering and the Quality Control department have carried out an investigation and developed MK2 ECDS die sets for 3-1/2" to 7" and 7" to 8-5/8" External Casing Drive Systems. TESCO successfully field tested two sets of 4-1/2" MK2 ECDS dies with P110 casing on three separate rigs for a total casing depth of over 100,000 feet with no incidents of torque or tension induced slippage.

AFFECTED PRODUCTS:

All ECDS Die Sets used with 3 1/2" to 7" Casing Drive (Part # 720632) and 7" to 8 5/8" Casing Drive (Part # 720635). See below for a complete breakdown of MK2 ECDS Die Sets:

3 1/2" to 7" Casing Drive (Part # 720632)	
NEW TESCO PN	TESCO Description
820369	Die Set,MK2,3-1/2" Casing,3-1/2" to 7" Casing Drive,ECDS,(Set of Three)
820361	Die,MK2,3-1/2"Casing,3-1/2" to 7" Casing Drive,ECDS
820358	Die Set,MK2,4-1/2" Casing,3-1/2" to 7" Casing Drive,ECDS,(Set of Three)
820344	Die,MK2,4-1/2"Casing,3-1/2" to 7" Casing Drive,ECDS
820370	Die Set,MK2,5" Casing,3-1/2" to 7" Casing Drive,ECDS,(Set of Three)
820362	Die,MK2,5"Casing,3-1/2" to 7" Casing Drive,ECDS
820371	Die Set,MK2,5-1/2" Casing,3-1/2" to 7" Casing Drive,ECDS,(Set of Three)
820363	Die,MK2,5-1/2"Casing,3-1/2" to 7" Casing Drive,ECDS
820372	Die Set,MK2,6-5/8" Casing,3-1/2" to 7" Casing Drive,ECDS,(Set of Three)
820364	Die,MK2,6-5/8"Casing,3-1/2" to 7" Casing Drive,ECDS
820357	Die Set,MK2,7" Casing,3-1/2" to 7" Casing Drive,ECDS,(Set of Three)
820343	Die,MK2,7"Casing,3-1/2" to 7"Casing Drive,ECDS

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7" to 8-5/8" Casing Drive (Part # 720635)	
NEW TESCO PN	TESCO Description
820373	Die Set,MK2,7" Casing,7"-8-5/8" Casing Drive,ECDS,(Set of Three)
820365	Die,MK2,7" Casing,7"-8-5/8"Casing Drive,ECDS
820374	Die Set,MK2,7-5/8" Casing,7"-8-5/8" Casing Drive,ECDS,(Set of Three)
820366	Die,MK2,7-5/8" Casing,7"-8-5/8"Casing Drive,ECDS
820375	Die Set,MK2,7-3/4" Casing,7"-8-5/8" Casing Drive,ECDS,(Set of Three)
820367	Die,MK2,7-3/4" Casing,7"-8-5/8"Casing Drive,ECDS
820376	Die Set,MK2,8-5/8" Casing,7"-8-5/8" Casing Drive,ECDS,(Set of Three)
820368	Die,MK2,8-5/8" Casing,7"-8-5/8"Casing Drive,ECDS

ACTION REQUIRED:

All TESCO Business Units and customers operating TESCO's External Casing Drive Systems (ECDS) with P110 grade casing or higher must utilize MK2 ECDS die sets. The MK2 dies can be purchased from TESCO AMSS. On all other grades of casing, it is acceptable to continue utilizing any previously TESCO manufactured die set until it has reached the end of its service life, after which it is recommended they be replaced with MK2 die sets.

All operators of TESCO equipment are encouraged to provide feedback so that TESCO can continue to provide the safest and most reliable equipment in the industry.

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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.