

DOWNHOLE TOOLS

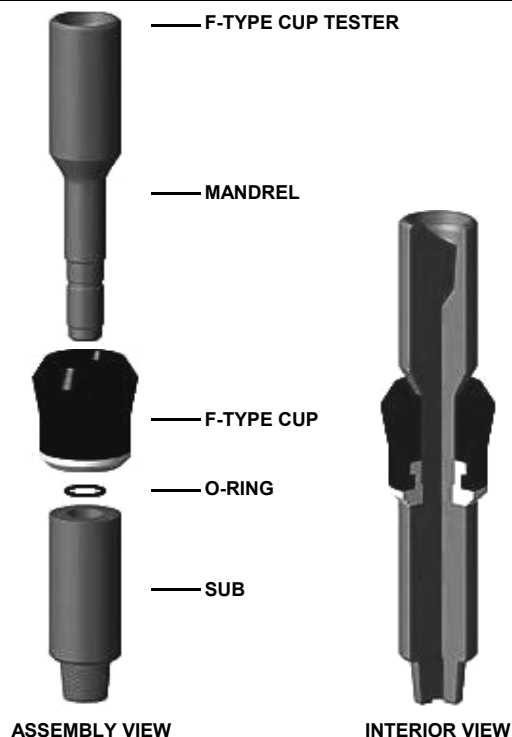
"F" TYPE CUP TESTERS

Texas Products WSD "F" type cup tester assemblies are designed to be attached to the drill string and then lowered into the casing beneath the wellhead to pressure test the blowout preventer stack and the wellhead. When the "F" type cup tester is lowered into the casing beneath the wellhead, pressure is applied to either a test pump, or by hoisting the "F" type cup after filling the hookup with water. The latter method is fast and accurate.

The cup tester assemblies are rated to the API standard mill test pressure for casing sizes up to 10,000 psi. Special reinforcing can be offered on all cup sizes and casing weight ranges to hold up to 15,000 psi. Texas Products WSD has the sizes, pressure ratings and connections for every single one of your jobs.

Texas Products WSD cup tester assemblies come standard with internal flush (IF) connections. Other connections are available at an additional cost. When ordering please specify (1) the casing size & weight per foot or (2) the part number or (3) the OD, ID, and drift diameter.

Anytime the "F" type cup tester is used; care should be taken to ensure that the drill pipes load capacity is not exceeded. This can be checked by adding the weight of the suspended pipe to the vertical load due to pressure. To find this multiply the cup pressure area (IN.²) by the pressure. The table below shows the total load capacity for each size tester.



TOP & BOTTOM CONNECTION SIZE (IN.)	TOTAL LOAD CAPACITY (LB)
2 3/8 IF (INTERNAL FLUSH) *	270,000 **
2 7/8 IF (INTERNAL FLUSH) *	270,000 **
3 1/2 IF (INTERNAL FLUSH) *	500,000 **
4 1/2 IF (INTERNAL FLUSH) *	800,000 **

* Threads per API Standard 7, box up / pin down.

** Total load capacity equals cup pressure area (IN.²) times test pressure, plus weight of suspended pipe.

F-TYPE CUP TESTER SPECIFICATIONS								
ASSEMBLY NUMBER	CONNECTION SIZE (IN.)	MANDREL / SUB PART NUMBER	CUP PART NUMBER	CASING SIZE (IN.)	CSG WT RANGE (PPF)	TOTAL LOAD CAPACITY (LB)	CUP PRESSURE AREA (IN. ²)	O-RING PART NUMBER
TP30594-01	2 3/8 IF	TP30589 / TP30590	TP30591A	4 1/2	9.50-15.10	270,000	9.5	TP6227-25
TP30594-02	2 3/8 IF	TP30589 / TP30590	TP30592	5	11.50-18.00	270,000	11.7	TP6227-25
TP30594-03	2 3/8 IF	TP30589 / TP30590	TP30593	5 1/2	14.00-23.00	270,000	16.1	TP6227-25
TP30594-05	2 7/8 EUE	TP30589M / TP30590M	TP30593	5 1/2	15.00-23.00	270,000	16.1	TP6227-25
TP30605-01	3 1/2 IF	TP30595 / TP30596	TP30597	6 5/8	20.00-32.00	500,000	19.8	TP6227-37
TP30605-08	3 1/2 IF	TP30595 / TP30596	TP30597A	6 5/8	35.00	500,000	19.8	TP6227-37
TP30605-07	3 1/2 IF	TP30595 / TP30596	TP30599-03	7	41.00	500,000	19.8	TP6227-37
TP30605-02	3 1/2 IF	TP30595 / TP30596	TP30598-02	7	17.00-26.00	500,000	23.9	TP6227-37
TP30605-03	3 1/2 IF	TP30595 / TP30596	TP30598-01	7	29.00-38.00	500,000	20.4	TP6227-37
TP30605-04	3 1/2 IF	TP30595 / TP30596	TP30599-01	7 5/8	24.00-26.40	500,000	29	TP6227-37
TP30605-05	3 1/2 IF	TP30595 / TP30596	TP30599-02	7 5/8	29.70-39.00	500,000	27.3	TP6227-37
TP30600-04	4 1/2 IF	TP30603 / TP30604	TP30606-01	8 5/8	40.00-49.00	800,000	29	TP6227-47
TP30600-11	4 1/2 IF	TP30603 / TP30604	TP30606-02	8 5/8	24.00-36.00	800,000	29	TP6227-47
TP30600-01	4 1/2 IF	TP30603 / TP30604	TP30601-01	9 5/8	32.30-40.00	800,000	45.5	TP6227-47
TP30600-02	4 1/2 IF	TP30603 / TP30604	TP30601-02	9 5/8	43.50-53.50	800,000	42.3	TP6227-47
TP30600-05	4 1/2 IF	TP30603 / TP30604	TP30607-01	10 3/4	32.75-51.00	800,000	63.5	TP6227-47
TP30600-06	4 1/2 IF	TP30603 / TP30604	TP30607-02	10 3/4	55.50-65.70	800,000	56.8	TP6227-47
TP30600-03	4 1/2 IF	TP30603 / TP30604	TP30578	12 3/4	49.60	800,000	113.1	TP6227-47
TP30600-07	4 1/2 IF	TP30603 / TP30604	TP30579-02	13 3/8	48.00-61.00	800,000	108.7	TP6227-47
TP30600-08	4 1/2 IF	TP30603 / TP30604	TP30579-01	13 3/8	68.00-72.00	800,000	102.8	TP6227-47
TP30600-09	4 1/2 IF	TP30603 / TP30604	TP30584	16	65.00-84.00	800,000	167.2	TP6227-47
TP30600-16	4 1/2 IF	TP30603 / TP30604	TP30584A	16 3/4	69.00	800,000	182.4	TP6227-47
TP30600-12	4 1/2 IF	TP30603 / TP30604	TP674819	18 5/8	87.50	800,000	229.1	TP6227-47
TP30600-10	4 1/2 IF	TP30603 / TP30604	TP33543	20	94.00-133.00	800,000	268.9	TP6227-47

NOTE: Only the most popular sizes are shown above. Please contact Texas Products WSD for additional sizes, pricing and availability.