



COMPLETION OIL TOOLS® EQUIPMENT LIST



COMPLETION OILS TOOL® PACKERS

HYDRAULIC PACKER



S.NO	PRODUCT DESCRIPTION	COT® MODEL	TYPE	SIZES	PRESSURE RANGE	TEMPERATURE RANGE	VALIDATION GRADE	QUALITY GRADE
1	HYDRO SET I HYDRAULIC PACKER	CT-HYDRO-1	RETRIEVABLE	4 1/2" - 9 5/8"	UP TO 7,500 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
2	HYDRO SET II HYDRAULIC PACKER	CT-HYDRO-2	RETRIEVABLE	4 1/2" - 9 5/8"	UP TO 10,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
3	HYDRO SET III HYDRAULIC PACKER	CT-HYDRO-3	RETRIEVABLE	5 1/2" - 9 5/8"	UP TO 10,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
4	HYDRO SET IV HYDRAULIC PACKER	CT-HYDRO-4	RETRIEVABLE	5 1/2" - 7 5/8"	UP TO 10,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
5	HYDRO SET V HYDRAULIC PACKER	CT-HYDRO-5	RETRIEVABLE	7" - 9 5/8"	UP TO 7,500 PSI	UP TO 350 DEG F	V0-V6	Q1-Q2
6	HYDRAULIC SET LARGE BORE PRODUCTION PACKER	CT-HYDRO-6	RETRIEVABLE	7" - 9 5/8"	UP TO 7,500 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
7	HYDRAULIC SET HIGH ANGLE STRAIGHT PULL & ROTATIONAL RELEASE PRODUCTION PACKER	CT-HPSR-6	RETRIEVABLE	4 1/2" - 9 5/8"	UP TO 7,500 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2

SEAL BORE PACKER



S.NO	PRODUCT DESCRIPTION	COT® MODEL	TYPE	SIZES	PRESSURE RANGE	TEMPERATURE RANGE	VALIDATION GRADE	QUALITY GRADE
1	EXTENDED REACH RETRIEVABLE SEAL BORE PACKER	CT-ERD	RETRIEVABLE	5"-10 3/4"	UP TO 10,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
2	PERMA SET I & II HYDRAULIC SET SINGLE/DOUBLE BORE DRILLABLE PACKER	CT-HDP (WC-HSSDP)/ CT-HDDP	PERMANENT	5"-9 5/8"	UP TO 10,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
3	PERMA SET VI HYDRAULIC SET DOUBLE BORE DRILLABLE PACKER 15K	CT-HDDP-15K	PERMANENT	5 1/2"-9 5/8"	UP TO 15,000 PSI	UP TO 350 DEG F	V0-V6	Q1-Q2
4	PERMA SET III & IV WIRELINE SET SINGLE/DOUBLE BORE DRILLABLE PACKER	CT-WDP / CT-WDDP	PERMANENT	4 1/2"-9 5/8"	UP TO 10,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
5	PERMA SET V WIRELINE SET DOUBLE BORE DRILLABLE PACKER 15K	CT-WDDP-15K	PERMANENT	5 1/2" - 9 5/8"	UP TO 15,000 PSI	UP TO 350 DEG F	V0-V6	Q1-Q2

MECHANICAL PACKER



S.NO	PRODUCT DESCRIPTION	COT® MODEL	TYPE	SIZES	PRESSURE RANGE	TEMPERATURE RANGE	VALIDATION GRADE	QUALITY GRADE
1	MECH-PAC I MECHANICAL SET PRODUCTION PACKER	CT-MH-1	RETRIEVABLE	4 1/2"-7 5/8"	UP TO 10,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
2	MECH-PAC II DOUBLE GRIP MECHANICAL RETRIEVABLE PACKER	CT-MH-2	RETRIEVABLE	4 1/2"-10 3/4"	UP TO 7,500 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
3	MECH-PAC III LOK SET MECHANICAL DOUBLE GRIP PACKER	CT-MH-3	RETRIEVABLE	4 1/2" - 9 5/8"	UP TO 7,500 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
4	MECH-PAC IV MECHANICAL SET PRODUCTION PACKER	CT-MH-4	RETRIEVABLE	2 7/8" - 13 3/8"	UP TO 10,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
5	MECH-PAC V RETRIEVABLE MECHANICAL SET SQUEEZE PACKER	CT-MH-5	RETRIEVABLE	4 1/2"-9 5/8"	UP TO 10,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
6	SINGLE GRIP MECHANICAL RETRIEVABLE PACKER	CT-MH-6	RETRIEVABLE	4 1/2"-10 3/4"	UP TO 5,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
7	MECH-PAC VI COMPRESSION SET MECHANICAL PACKER	CT-GCP	RETRIEVABLE	4 1/2" - 13 3/8"	UP TO 5,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
8	MECH-PAC VII TENSION SET MECHANICAL PACKER	CT-AD-1	RETRIEVABLE	4" - 7 5/8"	UP TO 5,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2

COMPLETION OILS TOOL® BRIDGE PLUGS AND CEMENT RETAINERS



S.NO	PRODUCT DESCRIPTION	COT® MODEL	TYPE	SIZES	PRESSURE RANGE	TEMPERATURE RANGE	VALIDATION GRADE	QUALITY GRADE
1	WIRELINE SET DRILLABLE BRIDGE PLUG	CT-WBP	DRILLABLE	2 3/8" - 20"	UP TO 10,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
2	MECHANICAL SET DRILLABLE BRIDGE PLUG	CT-MBP	DRILLABLE	4 1/2" - 20"	UP TO 7,500 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
3	WCR WIRELINE SET CEMENT RETAINER	CT-WCR	DRILLABLE	2 3/8" - 20"	UP TO 7,500 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
4	MCR MECHANICAL SET CEMENT RETAINER	CT-MCR	DRILLABLE	4 1/2" - 20"	UP TO 10,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
5	WIRELINE SET RTV® BRIDGE PLUG	CT-WRBP	RETRIEVABLE	3 1/2"-9 5/8"	UP TO 10,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2
6	MECHANICAL SET RTV® BRIDGE PLUG	CT-MRBP	RETRIEVABLE	4 1/2" - 13 3/8"	UP TO 5,000 PSI	UP TO 350 DEG F	V3-V6	Q1-Q2

COMPLETION OILS TOOL® BRIDGE PLUG AND PACKER SETTING TOOLS



S.NO	PRODUCT DESCRIPTION	COT® MODEL	FOR PACKER/ BRIDGE PLUG/CEMENT RETAINER	SIZES	PRESSURE RANGE	TEMPERATURE RANGE
1	WIRELINE ADAPTER KIT	CT-WAK	PACKER/ BRIDGE PLUG/CEMENT RETAINER	2 3/8" - 20"	UP TO 10,000 PSI	UP TO 350 DEG F

2	MECHANICAL/ SNAP LATCH SETTING TOOL	CT-SLST	BRIDE PLUG/ CEMENT RETAINER	4 1/2" - 20"	UP TO 10,000 PSI	UP TO 350 DEG F
3	RETRIEVING TOOL FOR RETRIEVABLE BRIDGE PLUGS (MECHAANICAL/WIRELINE)	CT-MRBP-RT/ CT-WLBP-RT	BRIDE PLUG	3 1/2"-13 3/8"	UP TO 10,000 PSI	UP TO 350 DEG F
4	PUMP OUT PLUG (BOX X PIN/HALF MULE/AUTO FILL)	CT-POP/CT-POP-H/CT-POP-A	PACKER	2 7/8"-7"	UP TO 10,000 PSI	UP TO 350 DEG F
5	HST-R ROTATING HYDRAULIC SETTING TOOL	CT-HST	PACKER/ BRIDGE PLUG	SIZE #5, #10 AND #20	UP TO 10,000 PSI	UP TO 350 DEG F

COMPLETION OIL TOOLS® FLOAT EQUIPMENT



S.NO	PRODUCT DESCRIPTION	COT® MODEL	TYPE	SIZES	API RP 10F CATEGORY
1	FLOAT SHOE SINGLE/DOUBLE VALVE	CT-CFS-SV/ CT-CFS-DV	CONVENTIONAL	2 7/8"-30"	IA, IIB AND IIIC
2	FLOAT COLLAR SINGLE/DOUBLE VALVE	CT-CFC-SV/ CT-CFC-DV	CONVENTIONAL	2 7/8"-30"	IA, IIB AND IIIC
3	JET SWIRL SHOE SINGLE/DOUBLE VALVE	CT-SVJSS/ CT-DJSS	CONVENTIONAL	2 7/8"-30"	IA, IIB AND IIIC
4	BOTTOM SET JET SWIRL SHOE SIGLE//DOUBLE VALVE	CT-SVDJSS/ CT-DVJSS	CONVENTIONAL	2 7/8"-30"	IA, IIB AND IIIC
5	NON ROTATING FLOAT SHOE AND COLLAR	CT-CFS-AR/ CT-CFC-AR	NON ROTATING	2 7/8"-30"	IA, IIB AND IIIC
6	AUTO FILL CEMENT FLOAT COLLAR	CT-CFC-AF	CONVENTIONAL	2 7/8"-30"	IA, IIB AND IIIC
7	REAMER SHOE SINGLE/DOUBLE VALVE	CT-SVRS/ CT-DVRS	CONVENTIONAL	2 7/8"-30"	IA, IIB AND IIIC
8	STAB IN FLOAT SHOE AND COLLAR (AVAILABLE IN SINGLE AND DOUBLE VALVE)	CT-SIFS/ CT-SIFC	CONVENTIONAL	2 7/8"-30"	IA, IIB AND IIIC
9	ORIFICE FLOAT COLLAR	CT-ORFC	CONVENTIONAL	2 7/8"-30"	N/A

COMPLETION OIL TOOLS® CENTRALIZERS AND STOP COLLARS



CENTRALIZERS

S.NO	PRODUCT DESCRIPTION	COT® MODEL	SIZES
1	HINGED NON WELDED BOW SPRING CENTRALIZERS	CT-HNBSC	4 1/2"-20" CASING SIZE
2	HINGED WELDED BOW SPRING CENTRALIZER	CT-HWBSC	4 1/2"-20" CASING SIZE
3	SLIP ON WELDED BOW SPRING CENTRALIZER	CT-SWBSC	4 1/2"-20" CASING SIZE
4	HINGED NON WELDED SEMI RIGID BOW SPRING CENRALIZER	CT-HNSRC	4 1/2"-20" CASING SIZE
5	HINGED WELDED SEMI RIGID BOW SPRING CENTRALIZER	CT-HWSRC	4 1/2"-20" CASING SIZE
6	SLIP ON WELDED SEMI RIGID BOW SPRING CENTRAIZER	CT-SWSRC	4 1/2"-20" CASING SIZE
7	HINGED NON WELDED POSITIVE BOW CENTRALIZER	CT-HNPBC	4 1/2"-20" CASING SIZE
8	HINGED WELDED POSITIVE BOW CENTRALIZER	CT-HWPBC	4 1/2"-20" CASING SIZE
9	SLIP ON WELDED POSITIVE BOW CENTREALIZER	CT-SWPBC	4 1/2"-20" CASING SIZE
10	HINGED NON WELDED POSITIVE BOW TURBOLIZER	CT-HNBST	4 1/2"-20" CASING SIZE
11	HINGED WELDED POSITIVE BOW TURBOLIZER	CT-HWBST	4 1/2"-20" CASING SIZE
12	SLIP ON WELDED POSITIVE BOW TURBOLIZER	CT-SWBST	4 1/2"-20" CASING SIZE
13	HEAVY DUTY WELD SPIRALIZER - L	CT-HVS-L	4 1/2"-20" CASING SIZE
14	HEAVY DUTY WELD SPIRALIZER - R	CT-HVS-R	4 1/2"-20" CASING SIZE
15	SLIP ON WELD SPIRALIZER-L	CT-SWS-L	4 1/2"-20" CASING SIZE
16	SLIP ON WELD SPIRALIZER-R	CT-SWS-R	4 1/2"-20" CASING SIZE
17	HEAVY DUTY WELD CENTRALIZER	CT-HVC	4 1/2"-20" CASING SIZE
18	CASTED SPIRALIZER- LEFT (STEEL)	CT-CSP-SL	4 1/2"-20" CASING SIZE
19	CASTED SPIRALIZER- LEFT (ALUMINUM)	CT-CSP-AL	4 1/2"-20" CASING SIZE
20	CASTED SPIRALIZER- LEFT (ZINC)	CT-CSP-ZL	4 1/2"-20" CASING SIZE
21	CASTED SPIRALIZER- RIGHT (STEEL)	CT-CSP-SR	4 1/2"-20" CASING SIZE
22	CASTED SPIRALIZER- RIGHT (ALUMINUM)	CT-CSP-AR	4 1/2"-20" CASING SIZE
23	CASTED SPIRALIZER- RIGHT (ZINC)	CT-CSP-ZR	4 1/2"-20" CASING SIZE
24	CASTED CENTRALIZER (STEEL)	CT-CST-S	4 1/2"-20" CASING SIZE
25	CASTED CENTRALIZER (ALUMINUM)	CT-CST-A	4 1/2"-20" CASING SIZE
26	CASTED CENTRALIZER (ZINC)	CT-CST-Z	4 1/2"-20" CASING SIZE
27	CONDUCTOR PIPE CENTRALIZER	CT-CRPC	2 7/8" - 20"

STOP COLLARS



S.NO	PRODUCT DESCRIPTION	COT® MODEL	SIZES
1	HINGED BOLTED STOP COLLAR	CT-SCHB	4 1/2"-20" CASING SIZE

2	HINGED SPIRAL NAIL STOP COLLAR	CT-SCHN	4 1/2"-20" CASING SIZE
3	HINGED STOP COLLAR WITH SET SCREW	CT-SCWSS-1	4 1/2"-20" CASING SIZE
4	SLIP ON STOP COLLAR WITH SET SCREW	CT-SCWSS	2 7/8" - 20"
5	WIRE BRISTLE SCRATCHER	CT-SCWS	4 1/2"-20" CASING SIZE
6	WELLBORE WIPER	CT-SCWW	4 1/2"-20" CASING SIZE

COMPLETION OIL TOOLS® FLOW CONTROL EQUIPMENT AND ACCESSORIES



S.NO	PRODUCT DESCRIPTION	COT® MODEL	PROFILE TYPE	SEAL BORE	PRESSURE RANGE	TEMPERATURE RANGE	VALIDATION GRADE	QUALITY GRADE
1	LANDING NIPPLE	CT-LNP	RPT, X,XN,R,RN	1.250"-7.450"	UP TO 10,000 PSI	UP TO 350 DEG F	V2-V3	Q1-Q2
2	LOCK MANDREL	CT-LM	RPT, X,XN,R,RN	COMPATIBLE WITH LANDING NIPPLE	UP TO 10,000 PSI	UP TO 350 DEG F	V1-V2	Q1-Q2
3	BLANKING PLUG	CT-BPL	RPT, X,XN,R,RN	COMPATIBLE WITH LOCK MANDREL & LANDING NIPPLE	UP TO 10,000 PSI	UP TO 350 DEG F	V1-V2	Q1-Q2
4	SLIDING SLEEVE (SHIF UP TO OPEN & SHIFT DOWN TO OPEN)	CT-CMU/ CT-CMD	RPT, X,R AND F TYPE	2 3/8" - 7"	UP TO 10,000 PSI	UP TO 350 DEG F	N/A	N/A
5	SLIDING SLEEVE (SHIF UP TO OPEN & SHIFT DOWN TO OPEN)	CT-CMU-S/ CT-CMD-S	RPT, X,R AND F TYPE	2 3/8" - 7"	UP TO 10,000 PSI	UP TO 350 DEG F	N/A	N/A

COMPLETION OIL TOOLS® LINER HANGER



COT® HYDRAULIC LINER HANGERS

COT® HYDRAULIC LINER HANGERS

S.NO	PRODUCT DESCRIPTION	TYPE		CASING SIZE	LINER SIZE	PRESSURE RANGE	TEMPERATURE RANGE
1	HYDRAULIC SET CURVE-LOCK LINER HANGER	ROTATING	NON ROTATING	5"-20"	3 1/2"-16"	UP TO 10,000 PSI	UP TO 350 DEG F
2	HYDRAULIC SET CURVE-LOCK LINER HANGER WITH INTEGRATED PACKER	ROTATING	NON ROTATING	5"-16"	3 1/2"-13 3/8"	UP TO 10,000 PSI	UP TO 350 DEG F
3	HYDRAULIC SET CURVE-LOCK LINER HANGER WITHOUT INTEGRAL SLIP	ROTATING	NON ROTATING	5"-20"	3 1/2"-16"	UP TO 10,000 PSI	UP TO 350 DEG F

COT® MECHANICAL LINER HANGERS

S.NO	PRODUCT DESCRIPTION	TYPE		CASING SIZE	LINER SIZE	PRESSURE RANGE	TEMPERATURE RANGE
1	MECHANICAL SET CURVE-LOCK LINER HANGER	ROTATING	NON ROTATING	5"-13 3/8"	3 1/2"-10 3/4"	UP TO 10,000 PSI	UP TO 350 DEG F
2	MECHANICAL SET CURVE-LOCK LINER HANGER WITH INTEGRATED PACKER	ROTATING	NON ROTATING	5"-16"	3 1/2"-10 3/4"	UP TO 10,000 PSI	UP TO 350 DEG F
3	MECHANICAL SET CURVE-LOCK LINER HANGER WITHOUT INTEGRAL SLIP	ROTATING	NON ROTATING	5"-16"	3 1/2"-10 3/4"	UP TO 10,000 PSI	UP TO 350 DEG F

COT® NON CEMENTED LINER HANGER

S.NO	PRODUCT DESCRIPTION	COT MODEL	TYPE	CASING SIZE	LINER SIZE	PRESSURE RANGE	TEMPERATURE RANGE
1	SLMXP® NON CEMENTED LINER HANGER	CT-NCLH-IP	N/A	5 1/2"-16"	4"-13 3/8"	UP TO 10,000 PSI	UP TO 350 DEG F

COT® STANDARD HYDRAULIC LINER HANGER

S.NO	PRODUCT DESCRIPTION	COT® MODEL	TYPE	CASING SIZE	LINER SIZE	PRESSURE RANGE	TEMPERATURE RANGE
1	COT® HYFLOW I HYDRAULIC LINER HANGER (SINGLE/DOUBLE CONE) WITHOUT PACKER	CT-NRLHS-1/ CT-NRLHD-2	NON ROTATING	4 1/2"-11 3/4"	2 7/8"-9 5/8"	UP TO 10,000 PSI	UP TO 350 DEG F
2	COT® HYFLOW II HYDRAULIC LINER HANGER WITH PACKER	CT-NRLH-IP	NON ROTATING	5"-20"	3 1/2"-16"	UP TO 10,000 PSI	UP TO 350 DEG F

COT® STANDARD MECHANICAL LINER HANGER

S.NO	PRODUCT DESCRIPTION	COT MODEL	TYPE	CASING SIZE	LINER SIZE	PRESSURE RANGE	TEMPERATURE RANGE
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1	LHM™ I MECHANICAL SET LINER HANGER (SINGLE/DOUBLE CONE) WITHOUT PACKER	CT-MSLH-1/ CT-MSLH-2	NON ROTATING	5 1/2"-9 5/8"	4"-7"	UP TO 10,000 PSI	UP TO 350 DEG F
2	LHM™ II MECHANICAL SET LINER HANGER (SINGLE/DOUBLE CONE) WITH PACKER	CT-MSLH-IP/ CT-MDLH-IP	NON ROTATING	5 1/2"-9 5/8"	4"-7"	UP TO 10,000 PSI	UP TO 350 DEG F
3	J2J™ II MECHANICAL SET LINER HANGER	CT-MSLH-3	NON ROTATING	5"-20"	3 1/2"-16"	UP TO 10,000 PSI	UP TO 350 DEG F

COT® LINER TOP PACKER

S.NO	PRODUCT DESCRIPTION	COT MODEL	TYPE	CASING SIZE	LINER SIZE	PRESSURE RANGE	TEMPERATURE RANGE
1	ISHP™ LINER TOP PACKER WITH INTEGRAL SLIP AND WITHOUT INTEGRAL SLIP	CT-CLTP/ CT-CLTP-IS	N/A	5 1/2"-16"	4"-13 3/8"	UP TO 10,000 PSI	UP TO 350 DEG F

COMPLETION OIL TOOLS® LINER HANGER TIE BACK SYSTEM



S.NO	PRODUCT DESCRIPTION	COT MODEL	TYPE	CASING SIZE	LINER SIZE	PRESSURE RANGE	TEMPERATURE RANGE
1	CT-VPACKET™ TIE BACK SEAL NIPPLE	CT-TBN	N/A	5 1/2"-16"	4"-13 3/8"	UP TO 10,000 PSI	UP TO 350 DEG F
2	TIE BACK NIPPLE PACKER	CT-TBP	N/A	5 1/2"-16"	4"-13 3/8"	UP TO 10,000 PSI	UP TO 350 DEG F
3	HYDRAULIC RETRIEVABLE ANCHOR CATCHER	CT-HRAC-3	N/A	5 1/2"-16"	4"-13 3/8"	UP TO 10,000 PSI	UP TO 350 DEG F

COMPLETION OIL TOOLS® LINER HANGER RUNNING AND PACKER SETTING TOOLS



S.NO	PRODUCT DESCRIPTION	COT MODEL	TYPE	LINER SIZE	PRESSURE RANGE	TEMPERATURE RANGE
1	CT-HRT™ HYDRAULIC RELEASE RUNNING TOOL	CT-HRRT-E	HYDRAULIC RELEASE	4 1/2"-13 3/8"	UP TO 10,000 PSI	UP TO 300 DEG F
2	CT-URT™ MECHANICAL RELEASE RUNNING TOOL	CT-MRRT	MECHANICAL RELEASE	4 1/2"-13 3/8"	UP TO 10,000 PSI	UP TO 300 DEG F
3	STH™ ROTATING LINER HANGER SETTING TOOL	CT-HSTL	MECHANICAL RELEASE	4 1/2"-13 3/8"	UP TO 10,000 PSI	UP TO 300 DEG F
4	CT-PST™ PACKER SETTING TOOL	CT-PST	MECHANICAL	4 1/2"-13 3/8"	UP TO 10,000 PSI	UP TO 300 DEG F
5	CT-PST™ ROTATING CIRCULATING PACKER SETTING TOOL	CT-PST-1	MECHANICAL	4 1/2"-13 3/8"	UP TO 10,000 PSI	UP TO 300 DEG F

COMPLETION OIL TOOLS® CEMENT HEADS



S.NO	PRODUCT DESCRIPTION	COT MODEL	TYPE	SIZE	PRESSURE RATING
1	CEMENTING MANIFOLD	CT-CMF	N/A	3 1/2"- 4 1/2"	UPTO 10,000 PSI
2	CEMENTING MANIFOLD WITHOUT BALL DROPPING SUB & SWIVEL ASSEMBLY	CT-CMF-3	N/A	3 1/2"- 4 1/2"	UPTO 10,000 PSI
3	TOP DRIVE CEMENTING HEAD	CT-HTCH	N/A	3 1/2"- 4 1/2"	UPTO 10,000 PSI
4	TOP DRIVE CEMENTING HEAD WITH DOUBLE PLUG	CT-TOCH-4	N/A	3 1/2"- 4 1/2"	UPTO 10,000 PSI
5	DOUBLE CAVITY CASING CEMENTING HEAD (DOUBLE VALVE/SINGLE VALVE)	CT-CCHD-2 CT-CCHD-1	N/A	4 1/2"- -20"	UPTO 10,000 PSI