



FISHING TOOLS

NEXT GENERATION MILLING TECHNOLOGY

FISHING TOOLS- ITCO GR #1348 SPEAR



ITCO-type Spears are designed to engage fish internally when down-hole conditions cannot allow an Overshot to retrieve the fish.

TECHNICAL SPECIFICATIONS

GRAPPLE #	TOOL JOINT OD	TENSILE YIELD	MANDREL OD/ ID	ACTUAL CATCHING			OLD NOMINAL SIZE (GRAPPLES WERE MARKED WITH THIS DESCRIPTION)
				MINIMUM ID	NOMINAL CATCH SIZE	MAXIMUM ID	
#1348	2.875" 73mm	132,000 lbf 58,928 daNs	1.875" (47.63mm)/ 0.375" (9.53mm)	1.788	1.828	1.867	1.867" I.D. (TURN BODY DOWN)
				1.796	1.836	1.876	1.875" I.D. (TURN BODY DOWN)
				1.889	1.929	1.968	1.937" - 1.968" I.D.
				1.952	1.992	2.041	2-3/8" TUBING - 4# - 4.70#
				1.983	2.023	2.062	2.000" - 2.062" I.D.
				2.045	2.085	2.125	2-1/8" I.D.
				2.091	2.131	2.172	2-7/8" D.P. 9.75# - 10.4#
				2.170	2.211	2.250	2-1/4" - 2-3/16" I.D.
				2.186	2.226	2.266	2-17/64" I.D.
				2.233	2.273	2.312	2-5/16" I.D.
				2.249	2.289	2.329	2-7/8" O.D. D.P. 7.80# - 8.35#
				2.295	2.335	2.375	2-3/8" I.D. NX 1/2 DRILL ROD
				2.358	2.398	2.438	2-3/8" I.D. & 2-7/16" I.D.
				2.390	2.430	2.469	2-7/8" TBG 6.25# - 6.5#, 2-7/8" * O.D. 6.45# BX
				2.420	2.460	2.500	2-7/16" I.D. & 2-1/2" I.D.
				2.556	2.596	2.625	2-5/8" I.D. & 2-9/16" I.D.
				2.608	2.648	2.688	2-5/8" I.D. & 2-11/16" I.D.
				2.670	2.710	2.750	2-3/4" I.D.
				2.921	2.961	3.000	3.000" I.D. & 2-5/16" I.D. NX DRIVE CASING
				3.046	3.086	3.126	3-1/16" I.D. & 3-1/8" I.D.
				3.170	3.210	3.250	3-1/4" I.D. & 3-3/16" I.D.
				3.264	3.304	3.344	3-11/32" I.D. & 3-9/32" I.D.