



Whipstock Box Tap (Die Collar)

Weatherford's whipstock box tap (die collar) is the secondary fishing option for retrievable whipstocks. The box tap also effectively retrieves whipstocks without standard hook slots or matching V-thread profiles and that have been in the well for an extended period of time.

The V-thread pattern in the box tap throat is specifically designed to match the thread profile machined into the backside of the concave. The design enables correct makeup after engagement at the concave top.

Applications

- Retrieval of any whipstock run in or through an openhole installation
- Retrieval of lower whipstocks in a multilateral installation
- Retrieval of a whipstock when the retrieval hook does not engage the retrieval slot

Features, Advantages and Benefits

- The robust, sharp, matching V-thread patterns ease engagement and ensure correct makeup.
- The cut-lip profile enables quick activation or pickup of the whipstock top.
- Bypass ports reduce swabbing in tight tolerances, minimizing potential well hazards.
- Multiple IDs accommodate various whipstock profiles, providing flexibility.





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Specifications

Casing		Concave OD (in./mm)	Part		Catch Range (in./mm)	Tool OD (in./mm)	Throat Depth (in./mm)	Box Connection (in./mm)	Whipstock*
OD (in./mm)	Weight (lbm/ft, kg/m)		Previous	J.D. Edwards					
4-1/2 114.3	9.5 to 13.5 14.1 to 20.1	3-1/2 88.9	61520	112269	2-1/4 to 3-11/32 57.15 to 84.93	3-3/4 95.25	17.0 431.8	Reg 2-3/8 60.33	WB-TS-QC
5 127.0	11.5 to 15.0 17.1 to 22.3	4 101.6	61721	112320	2 to 3-13/16 50.80 to 96.84	4-1/4 107.95	29.3 744.2		WB
	18.0 26.8		61074	112141	2-1/2 to 3-13/16 63.50 to 96.84	4-1/8 104.78	21.3 541.0		
5-1/2 139.7	14.0 to 17.0 20.8 to 25.3	4-1/2 114.3	61859	112352	3-1/2 to 4-3/8 88.90 to 111.13	4-11/16 119.06	27.0 685.8	IF 2-3/8 60.33	WB-TS-QC
			61834	112343	2-1/2 to 4-1/32 63.50 to 102.39	4-5/8 117.48	11.0 279.4		WB
	20.0 to 23.0 29.8 to 34.2	4-1/4 108.0	61810	112339		4-1/2 114.30	29.1 739.1		WB-TS-QC
6-5/8 168.3	17.0 25.3	5-1/2 139.7	14173	109846	4-3/8 to 5-3/8 111.13 to 136.53	6 152.40	30.0 762.0	WB	
	20.0 29.8		61193	112182	3-1/4 to 4-7/8 82.55 to 123.83	5-3/4 146.05	21.8 553.7		
	24.0 to 32.0 35.7 to 47.6	5-1/4 133.4	—	763112	3-1/2 to 5-3/8 88.90 to 136.53	6-1/8 155.58	32.0 812.8		
7 177.8	17.0 25.3	5-1/2 139.7	14173	109846	4-3/8 to 5-3/8 111.13 to 136.53	6 152.40	30.0 762.0	IF 3-1/2 88.90	WB-QC
			—	763112	3-1/2 to 5-3/8 88.90 to 136.53	6-1/8 155.58	32.0 812.8		
	20.0 to 29.0 SD 29.8 to 43.2 SD		14173	109846	4-3/8 to 5-3/8 111.13 to 136.53	6 152.40	30.0 762.0	WB-TS-QC	
			61645	113065		5-15/16 150.81	32.0 812.8		
	29.0 to 35.0 43.2 to 52.1		61645	112304	5-55/64 148.83	WB-QC			
	38.0 56.5		5-1/4 133.4	64078	113065	3-3/8 to 5-3/8 85.73 to 136.53	5-55/64 148.83	WB-QC	

*WB is Weatherford's WHIPBACK® whipstocks. TS is the TripSaver™ window milling system. QC is the QuickCut™ casing exit whipstock system. SAQC is the shallow-angle QuickCut system.



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Specifications (continued)

Casing		Concave OD (in./mm)	Part		Catch Range (in./mm)	Tool OD (in./mm)	Throat Depth (in./mm)	Box Connection (in./mm)	Whipstock*
OD (in./mm)	Weight (lbm/ft, kg/m)		Previous	J.D. Edwards					
7-5/8 193.7	20.0 29.8	6-1/4 158.8	63212	112748	5 to 6 127.00 to 152.40	6-11/16 169.86	32.0 812.8	IF 3-1/2 88.90	WB
	24.0 to 29.7 35.7 to 44.2					6-1/2 165.10			
	33.7 50.1	6 152.4	61764	112327		4 to 6 101.60 to 152.40			6-5/8 168.28
39.0 58.0	61764		112327	5 to 6 127.00 to 152.40	6-1/2 165.10				
8-5/8 219.1	24.0 to 44.0 35.7 to 65.5	7 177.8	62197	112437	4-7/8 to 6-7/8 123.83 to 174.63	7-1/2 190.50	IF 4-1/2 114.30	WB-TS	
9-5/8 244.5	32.3 to 40.0 48.1 to 59.5	8 203.2	61316	718263	5-1/2 to 7-3/4 139.70 to 196.85	8-5/8 219.08		21.4 543.6	WB-QC-SAQC
	43.5 to 53.5 64.7 to 79.6		62452	112536	5-3/8 to 7-1/4 136.53 to 184.15	8-1/4 209.55		25.4 645.2	TS
			14724	110041	5-1/8 to 7-3/4 130.18 to 196.85	8-3/8 212.73	18.0 457.2	WB-QC-SAQC	
10-3/4 273.1	32.8 to 55.5 48.7 to 82.6	9 228.6	61988	112382	6-5/8 to 8-3/4 154.38 to 222.25	9-1/2 241.30	32.0 812.8	WB-TS	
11-3/4 298.4	38.0 to 60.0 56.5 to 89.3	10 254.0	63977	113009	7-3/4 to 9-3/4 196.85 to 247.65	10-1/2 266.70		Reg 6-5/8 168.28	WB
	38.0 to 54.0 56.5 to 80.4		63275	112765		10-3/4 273.05			
13-3/8 339.7	68.0 to 72.0 101.2 to 107.1	11-1/2 292.1	61864	112355	9-7/16 to 11-7/16 239.71 to 290.51	12-1/8 307.98	WB-TS-QC-SAQC		
18-5/8 to 20 473.1 to 508.0	78 to 187 116.1 to 278.3	17 431.8	—	775174	14 to 15-7/16 355.6 to 392.1	17-3/8 441.3	48 1,219.2	Reg 7-5/8 193.7	QC

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