

5.2 Elevators

TFI elevators are designed and manufactured according to API 8A specification and are used to lift drill pipe, casing, tubing and drill collars.

5.2.1 Type DD Center Latch Elevator

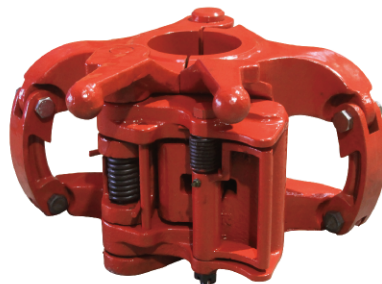
This model handles 90 degree shoulder drill pipes and is designed and manufactured according to API 8A specification.

Pipe		Drill Pipe					Casing			Tubing			
Model		DD 65	DD 100	DD 125	DD 150	DD 250	DD 350	DD 100	DD 150	DD 65	DD 100	DD 125	DD 150
Pipe O.D. (in)										1.9			
	2-3/8	2-3/8	2-3/8	2-3/8						2-3/8	2-3/8	2-3/8	2-3/8
	2-7/8	2-7/8	2-7/8	2-7/8						2-7/8	2-7/8	2-7/8	2-7/8
		3-1/2	3-1/2	3-1/2	3-1/2						3-1/2	3-1/2	3-1/2
		4		4	4						4		4
		4-1/2		4-1/2	4-1/2	4-1/2	4-1/2	4-1/2	4-1/2		4-1/2		4-1/2
		5		5	5	5	5	5	-		5		5
					5-1/2	5-1/2	5-1/2	5-1/2	10-3/4				
Max. Load	kN	585	900	1100	1350	2250	3150	900	1350	585	900	1100	1350
	lbs	130,000	200,000	245,000	300,000	500,000	700,000	200,000	300,000	130,000	200,000	245,000	300,000

5.2.2 Type DDZ Center Latch Elevator

This model handles 18 degree taper shoulder drill pipes and is designed and manufactured according to API 8A specification.

Model	Drill Pipe Size and Style	Elevator Bore (mm)	Max. Load kN (lbs)
DDZ 67	2-3/8 EU	67	900 (200,000) 1350 (300,000) 1800 (400,000) 2250 (500,000) 3150 (700,000)
DDZ 83	2-7/8 EU	83	
DDZ 101	3-1/2 EU	101	
DDZ 109	4 IU	109	
DDZ121	4 EU	121	
	4-1/2 IU		
	4-1/2 IEU		
DDZ133	4-1/2 EU	133	
	5 IEU		
DDZ148	5-1/2 IEU	148	

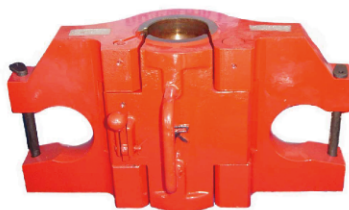


5.2.3 Type CD & CDZ Side Door Elevators

These elevators are designed and manufactured according to API 8A specification.

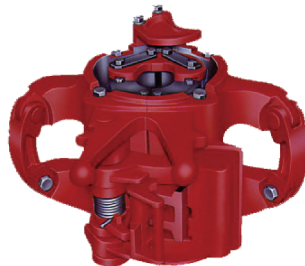
Model	Pipe O.D.		Max. Dia. Weldless Links		Max. Load kN (lbs)
	in	mm	mm	in	
CD	2-3/8 - 2-7/8	60.3 - 73.0	69.9	2-3/4	900 (200,000) 1350 (300,000) 1800 (400,000) 2250 (500,000) 3150 (700,000)
	3-1/2 - 4	88.9 - 101.6	69.9	2-3/4	
	4-1/2 - 5-1/2	114.3 - 139.7	69.9	2-3/4	
	6-5/8 - 8-5/8	168.3 - 219.1	88.9	3-1/2	
	9-5/8 - 10-3/4	244.5 - 273.1	88.9	3-1/2	
	11-3/4 - 13-3/8	298.5 - 339.7	88.9	3-1/2	
	14 - 16	355.6 - 406.4	88.9	3-1/2	
	18-5/8 - 20	473.1 - 508	88.9	3-1/2	
	22 - 30	558.8 - 762.0	88.9	3-1/2	

Model	DP Size & Style	Elevator Bore (mm)	Max. Load kN (lbs)
CDZ 83	2-7/8 EU	83	
CDZ 101	3-1/2 EU	101	
CDZ 109	4 IU	109	
CDZ 121	4 EU	121	
	4-1/2 IU		
	4-1/2 IEU		
CDZ 133	4-1/2 EU	133	
	5 IEU		
CDZ 148	5-1/2 IEU	148	



5.2.4 Slip Type Elevator

Model	Pipe Size	Max. Load kN (lbs)
YT	1-3/8" - 3-1/2"	665 (150,000)
YC	3-1/2" - 7"	665 (150,000)
HYT	2-3/8" - 3-1/2"	1350 (300,000)
MYT	1-3/8" - 2-7/8"	355 (80,000)
LYT	1" - 2-1/16"	178 (40,000)



5.2.5 Drill Collar Elevator

Drill Collars with Zip Lift Recess

Drill Collar Size (in)	4-1/8, 4-3/4, 5-1/4, 5-1/2, 5-3/4, 6	6-1/4, 6-1/2, 6-3/4, 7, 7-1/4, 7-1/2, 7-3/4, 8, 8-1/4, 8-1/2, 9, 9-1/2, 9-3/4, 10, 10-3/4, 11, 11-1/4
Max. Load kN (lbs)	900 (200,000) 1350 (300,000)	1350 (300,000)

Drill Collars with Lift Plugs

Drill Collar Size (in)	2-1/2, 2-3/4, 3, 3-1/8, 3-1/4, 3-1/2, 3-3/4, 4, 4-1/8, 4-1/4, 4-3/4, 5, 5-1/4, 5-1/2, 5-3/4, 6	6-1/4, 6-3/8, 6-1/2, 6-3/4, 7, 7-1/4, 7-1/2, 7-3/4, 8, 8-1/4, 8-1/2, 8-3/4, 9, 9-1/4, 9-1/2, 10, 10-1/2, 11
Max. Load kN (lbs)	900 (200,000) 1350 (300,000)	1350 (300,000)