

5.1.1 Drill Pipe Slips

TFI drill pipe slips have all undergone rigorous load tests before shipping to our customers.

Model	Slip Body Size (in)	3-1/2			4-1/2			
SDS-S	Pipe Size	in	2-3/8	2-7/8	3-1/2	-	-	-
		mm	60.3	73.0	88.9	-	-	-
	Weight	kg	39.6	38.3	36.4	-	-	-
		lbs	87.3	84.4	80.2	-	-	-
SDS	Pipe Size	in	2-3/8	2-7/8	3-1/2	3-1/2	4	4-1/2
		mm	60.3	73.0	88.9	88.9	101.6	114.3
	Weight	kg	71	68	66	83	80	76
		lbs	156.5	149.9	145.5	183.0	176.4	167.6
SDML	Pipe Size	in	2-3/8	2-7/8	3-1/2	3-1/2	4	4-1/2
		mm	60.3	73.0	88.9	88.9	101.6	114.3
	Weight	kg	98	95	92	105	101	92
		lbs	216.1	209.4	202.8	231.5	222.7	202.8
SDXL	Pipe Size	in	-	-	-	3-1/2	4	4-1/2
		mm	-	-	-	88.9	101.6	114.3
	Weight	kg	-	-	-	118	114	108
		lbs	-	-	-	260.1	251.3	238.1
Model	Slip Body Size (in)	5			5-1/2			
SDML	Pipe Size	in	4	4-1/2	5	4-1/2	5	5-1/2
		mm	101.6	114.3	127	114.3	127	139.7
	Weight	kg	104	100	95	101	97	92
		lbs	229.3	220.5	209.4	222.7	213.8	202.8
SDXL	Pipe Size	in	4	4-1/2	5	4-1/2	5	5-1/2
		mm	101.6	114.3	127	114.3	127	139.7
	Weight	kg	116	112	106	116	111	105
		lbs	255.7	246.9	233.7	255.7	244.7	231.5



5.1.2 Drill Collar Slips

Three types of drill collar slips are available - DCS-S, DCS-R and DCS-L. They handle drill collar sizes from 3" to 14".

Model		DCS-S			DCS-R			DCS-L				
Drill Collar O.D.	in	3 - 4	4 - 4-7/8	4-1/2 - 6	5-1/2 - 7	6-3/4 - 8-1/4	8 - 9-1/2	8-1/2 - 10	9-1/4 - 11-1/4	11 - 12-3/4	12 - 14	
Weight	kg	56	52	60	56	72	78	83.5	95	122	117	
	lbs	123	115	132	123	159	172	185	209	269	258	
Insert Bowl No.		API No.3						API No.2		API No.1		



5.1.3 Type DU Slips

Type DU slips handle drill pipes from 2-3/8" to 5".

Slip Body Size		3-1/2"			4-1/2"			5"		
Pipe Size	in	2-3/8	2-7/8	3-1/2	3-1/2	4	4-1/2	4	4-1/2	5
	mm	60.3	73.0	88.9	88.9	101.6	114.3	101.6	114.3	127.0



5.1.4 Casing Slips

Casing slips handle casing sizes from 4-1/2" to 30".

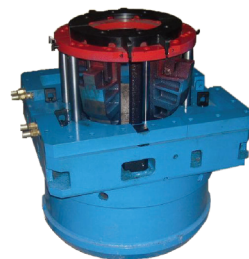
Casing O.D.	in	4-1/2	4-3/4	5	5-1/2	5-3/4	6	6-5/8	7	7-5/8	8-5/8
	mm	114.3	120.7	127	139.7	146.1	152.4	168.3	177.8	193.7	219.1
Weight	kg	72	72	72	70	70	70	93	88	79	86
	lbs	159	159	159	154	154	154	205	194	174	190
Insert Bowl No.		API No.3									

Casing O.D.	in	9-5/8	10-3/4	11-3/4	13-3/8	16	18-3/4	20	24	26	30
	mm	244.5	273.1	298.5	339.7	406.4	473.1	508	609.6	660.4	762
Weight	kg	105	110	136	135	158	185	192	219	238	262
	lbs	231	243	300	298	348	408	423	483	525	578
Insert Bowl No.		API No.2		API CNo.1		Matching Casing Bushing					



5.1.5 Type QW Pneumatic Slips

With type QW pneumatic slips, drill pipe wiping is automatically achieved while running out of hole. They feature convenient installation, high automation, improved safety and efficiency.



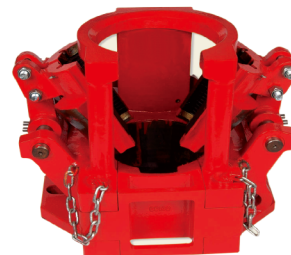
Model		QW 3-1/2	QW 4-1/2	QW 5	QW 5-1/2
Pipe Size	in	3-1/2	4-1/2	5	5-1/2
Working Pressure	MPa (psi)	0.65 - 0.9 (94 - 130)			
Effective Gripping Length	mm (in)	350 - 420 (13.7 - 16.5)			
Slip Body Working Height	mm (in)	260 - 280 (10.2 - 11.0)			
Rated Load	kN (lbs)	2250 (500,000) / 1125 (250,000)			

5.1.6 Type QQP Pneumatic Spiders



Model	Rated Load kN (lbs)	Pipe Size
QQP/585	585 (130,000)	2-3/8" - 3-1/2"
QQP/675	675 (150,000)	2-3/8" - 3-1/2"
QQP/900	900 (200,000)	2-3/8" - 5"

5.1.7 Type C/CHD/E Pneumatic Spiders



Model	Type C	Type CHD	Type E
Rated Load kN (lbs)	800 (180,000)	1200 (270,000)	1750 (390,000)
Pipe Size	1-3/8" - 5-1/2"	1-3/8" - 5-1/2"	2-3/8" - 7-5/8"

5.1.8 Safety Clamps

Safety Clamps are used for handling flush joint pipes and drill collars. There are two types of safety clamps. Type WA-C can handle pipe sizes from 3-1/2" to 15-5/8". Type WA-T handles pipe sizes from 1-1/8" to 4-1/2" .



Model	Pipe Size	No. of Segments	Weight	
	in		kg	lbs
WA-C	3-1/2 - 4-5/8	7	24.5	54
	4-1/2 - 5-5/8	8	27.0	60
	5-1/2 - 6-5/8	9	29.0	64
	6-1/2 - 7-5/8	10	31.0	68
	7-1/2 - 8-5/8	11	33.0	73
	8-1/2 - 9-5/8	12	35.0	77
	9-1/2 - 10-5/8	13	37.0	82
	10-1/2 - 11-5/8	14	39.0	86
	11-1/2 - 12-5/8	15	41.5	91
	12-1/2 - 13-5/8	16	43.5	96
	13-1/2 - 14-5/8	17	45.5	100
WA-T	14-1/2 - 15-5/8	18	48.0	106
	1-1/8 - 2	4	14.1	31
	2-1/8 - 3-1/4	5	15.8	35
	3-1/2 - 4-1/2	6	17.6	39