

Flow Control System

DIC-F Landing Nipples

DIC-F Top No-Go, Non-Ported Landing Nipple is a tubing nipple for use with Top no-go locking devices only. It has a Polished/Honned Sealbore, Top No-Go shoulder, and a locking groove.

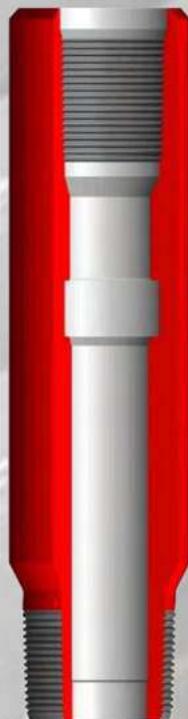
Tubing O/D		Seal Bore I/D		Min O/D Box by Pin Threads	
in.	mm.	in.	mm.	in.	mm.
1.660	42.150	1.187	30.150	1.875	47.630
		1.25	31.750		
1.900	48.260	1.437	36.500	2.109	55.570
		1.500	38.100		
2 1/16	53.370	1.562	39.670	2.250	57.150
		1.625	41.280		
2 3/8	60.330	1.781	45.240	2.560	65.020
		1.812	46.020		
		1.875	47.630		
2 7/8	73.020	2.062	52.370	3.109	78.970
		2.125	53.980		
		2.188	55.580		
		2.250	57.150		
		2.312	58.720		
		2.562	65.070		
3 1/2	88.900	2.750	69.850	3.687	93.650
		2.812	71.420		
		3.688	93.680		
4 1/2	114.300	3.750	95.250	5.200	132.080
		3.812	96.820		



DIC-R Landing Nipple

DIC-R Bottom No-Go Non-Ported Landing Nipple is a tubing nipple for use with bottom no-go locking devices only.

Tubing O/D		Seal Bore I/D		NO - GO		Min O/D Box by Pin Threads	
in.	mm.	in.	mm.	in.	mm.	in.	mm.
1.660	42.150	1.187	30.150	1.135	28.830	1.875	47.630
		1.25	31.750	1.198	30.430		
1.900	48.260	1.437	36.500	1.385	35.180	2.109	55.570
		1.500	38.100	1.447	36.750		
2 1/16	53.370	1.562	39.670	1.510	38.350	2.250	57.150
		1.625	41.280	1.572	39.930		
2 3/8	60.330	1.781	45.240	1.728	43.890	2.560	65.020
		1.812	46.020	1.760	44.700		
		1.875	47.630	1.822	46.280		
2 7/8	73.020	2.062	52.370	1.965	49.910	3.109	78.970
		2.125	53.980	2.035	51.690		
		2.250	57.150	2.197	55.800		
		2.312	58.720	2.259	57.380		
3 1/2	88.900	2.562	65.070	2.442	62.030	3.687	93.650
		2.750	69.850	2.697	68.500		
		2.812	71.420	2.759	70.080		
4 1/2	114.300	3.688	93.680	3.625	92.080	5.200	132.080
		3.750	95.250	3.700	93.980		
		3.812	96.820	3.759	95.480		



DIC-X Landing Nipples

DIC-X Landing Nipples are fully selective nipples used to land, lock, and seal X-type locking mandrels with attached flow control devise in the production tubing string.

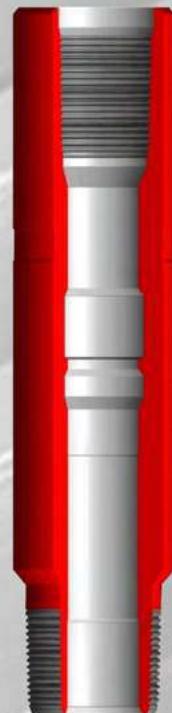
Tubing O/D		Seal Bore I/D		Min O/D Box by Pin Threads	
in.	mm.	in.	mm.	in.	mm.
1.660	42.150	1.250	31.750	2.200	55.880
1.900	48.260	1.500	38.100	2.500	63.500
2.063	53.370	1.625	41.270	2.325	59.060
2.375	60.330	1.875	47.620	3.063	77.80
2.875	73.020	2.312	58.720	3.668	93.170
3.500	88.900	2.750	69.850	4.500	114.300
		2.812	71.420		
4.500	114.300	3.812	96.820	5.563	141.300



DIC-XN Landing Nipples

DIC-XN Landing Nipples are non-selective nipples, used to land, Lock and seal XN-type locking mandrels with attached flow control devise in the production tubing string.

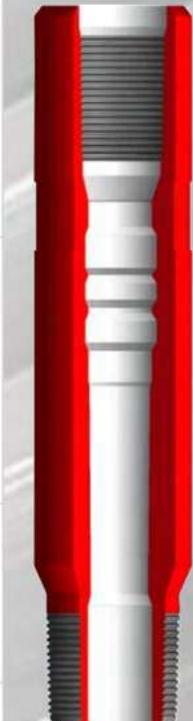
Tubing O/D		Seal Bore I/D		NO - GO		Min O/D Box by Pin Threads	
in.	mm.	in.	mm.	in.	mm.	in.	mm.
1.660	42.150	1.187	30.150	1.135	28.830	1.875	47.630
		1.25	31.750	1.198	30.430		
1.900	48.260	1.437	36.500	1.385	35.180	2.109	55.570
		1.500	38.100	1.447	36.750		
2 1/16	53.370	1.562	39.670	1.510	38.350	2.250	57.150
		1.625	41.280	1.572	39.930		
2 3/8	60.330	1.781	45.240	1.728	43.890	2.560	65.020
		1.812	46.020	1.760	44.700		
		1.875	47.630	1.822	46.280		
2 7/8	73.020	2.062	52.370	1.965	49.910	3.109	78.970
		2.125	53.980	2.035	51.690		
		2.250	57.150	2.197	55.800		
		2.312	58.720	2.259	57.380		
3 1/2	88.900	2.562	65.070	2.442	62.030	3.687	93.650
		2.750	69.850	2.697	68.500		
		2.812	71.420	2.759	70.080		
4 1/2	114.300	3.688	93.680	3.625	92.080	5.200	132.080
		3.750	95.250	3.700	93.980		
		3.812	96.820	3.759	95.480		



DIC-OR Landing Nipple

OR-Landing Nipples are typically located above DIC-ORN Bottom No-Go Landing Nipples.

Tubing O/D		Seal Bore I/D		Min O/D Box by Pin Threads	
in.	mm.	in.	mm.	in.	mm.
1.315	33.400	0.714	18.14	1.900	48.206
1.660	42.160	1.125	28.58	2.200	55.880
1.900	53.370	1.375	34.93	2.500	63.500
2 3/8	60.330	1.500	38.10	3.063	77.800
		1.625	41.28		
		1.710	43.43		
		1.781	45.24		
		1.781	45.24		
		1.875	47.63		
		1.905	48.39		
2 7/8	73.020	1.94	49.28	3.688	93.170
		2.000	50.80		
		2.125	53.98		
		2.188	55.58		
		2.313	58.75		
		2.380	60.45		
		2.437	61.90		
3 1/2	88.900	2.562	65.07	4.500	114.300
		2.875	73.03		
		3.000	76.200		
		3.125	79.380		
4.000	101.600	3.250	82.550	5.000	127.000
		3.437	87.300		
		3.688	93.680		
		3.813	96.850		
4 1/2	114.300			5.563	141.300



Continue....

OR-Landing Nipples are typically located above DIC-ORN Bottom No-Go Landing Nipples.

Tubing O/D		Seal Bore I/D		Min O/D Box by Pin Threads	
in.	mm.	in.	mm.	in.	mm.
5.000	127.000	3.840	97.540		
		3.875	97.540		
		4.000	101.600		
		4.125	104.780		
5 1/2	139.700	4.313	109.550	Coupling OD	
		4.562	115.870		
		4.750	120.650		
		4.813	122.250		
6.000	152.400	5.250	133.350		



DIC-ORN Landing Nipple

DIC-ORN Bottom No-Go Non-Ported Landing Nipple is a tubing nipple for use with bottom no-go locking devices only.

Tubing O/D		Seal Bore I/D		NO - GO		Min O/D Box by Pin Threads	
in.	mm.	in.	mm.	in.	mm.	in.	mm.
1.900	48.260	1.375	34.93	1.250	31.75	2.500	63.50
2 3/8	60.330	1.500	38.10	1.345	34.16	3.063	77.80
		1.710	43.43	1.560	39.62		
		1.781	45.24	1.640	41.66		
		1.875	47.63	1.176	43.59		
2 7/8	73.030	2.000	50.80	1.881	47.78	3.668	93.17
		2.125	53.98	1.937	49.20		
		2.188	55.58	2.010	51.05		
		2.313	58.75	2.130	54.10		
3 1/2	88.900	2.562	65.07	2.329	59.160	4.500	114.30
		2.875	73.03	2.585	65.660		
4.000	101.600	3.125	2.000	2.907	73.84	5.000	127.00
		3.250	82.55	3.033	77.04		
4 1/2	114.300	3.688	93.68	3.456	87.78	5.563	141.30
5.000	127.000	4.000	101.60	3.748	95.20	Coupling O D	
		4.125	104.78	3.912	99.36		
5 1/2	139.700	4.313	109.55	3.987	101.270		
		4.562	115.87	4.445	112.9		
		4.75	120.65	4.521	114.83		
		4.813	122.25	4.725	120.02		
6.000	152.400	5.250	133.35	5.018	127.46		



DIC-XA Sliding Sleeve - (Selective)

XA Sliding Sleeve is a communication device with a ported inner sleeve that can be opened or closed using a shifting tool by standard slickline or coiled tubing methods.

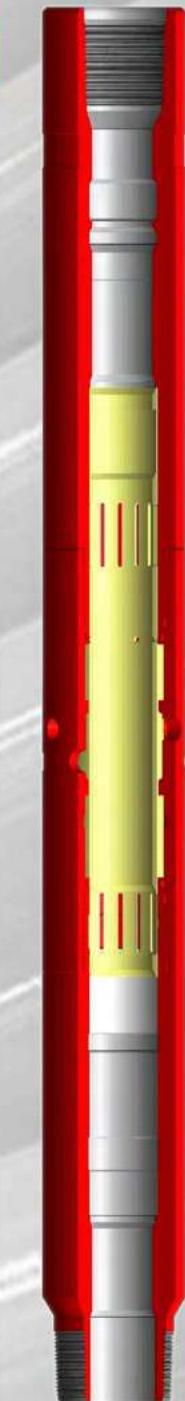
Seal Bore I.D	Flow Area (Ports)		Flow Area (Min I.D)		Max O.D
in.	Sq.in.	Sq.cm.	Sq.in.	Sq.cm.	in.
1.875	2.355	15.190	2.762	17.820	3.063
2.312	3.974	25.640	4.199	27.090	3.668
2.750	7.212	46.530	5.94	38.320	4.281
2.812			6.211	40.070	4.281
3.312	11.426	73.720	8.611	55.550	5.680
3.812			11.413	73.630	5.680
4.312	10.598	68.370	14.596	94.170	6.400
4.562			16.337	105.400	7.500



DIC-XO SLIDING SLEEVE - Selective (Jar DOWN to Open)

XO Sliding Sleeve is a communication device with a ported internal sleeve that can be opened or closed using a shifting tool via standard slickline or coiled tubing methods.

Seal Bore I.D.	Flow Area (Ports)		Flow Area (Min I.D.)		Max O.D.
in.	Sq.in.	Sq.cm.	Sq.in.	Sq.cm.	in.
1.875	2.355	15.190	2.762	17.820	3.063
2.312	3.974	25.640	4.199	27.090	3.668
2.750	7.212	46.530	5.94	38.320	4.281
2.812			6.211	40.070	4.281
3.312	11.426	73.720	8.611	55.550	5.680
3.812			11.413	73.630	5.680
4.312	10.598	68.370	14.596	94.170	6.400
4.562			16.337	105.400	7.500



DIC - L SLIDING SLEEVE

L Sliding Sleeve has seal bores above and below the ports and a top No-Go shoulder and locking groove.

D - 2 SHIFTING TOOL SPECIFICATIONS			
L Sliding Sleeve Size	Shifting Tool Collet Size	Top Thread Connection	Fishing Neck Size O/D
ID	OD	Size	
1.430	1.468	15/16 - 10	1.188
1.500	1.531		
1.780	1.807		
1.810	1.843	15/16 - 10	1.375
1.870	1.906		
2.250	2.281	15/16 - 10	1.750
2.310	2.343		
2.750	2.781	11/16 - 10	2.312
2.81	2.843		
3.68	3.743		
3.81	3.867	11/16 - 10	2.312

To shift open & close L Sliding Sleeve



L SLIDING SLEEVE SPECIFICATIONS			
Tubing O/D	L Sliding Sleeves		
in.	Seal Bore I/D	Size	Sleeve O/D (in.)
1.900	1.437	1.430	2.375
	1.500	1.500	
2.375	1.781	1.780	2.910
	1.781	1.810	
	1.875	1.870	
2.875	2.250	2.250	3.410
	2.312	2.310	
3.500	2.750	2.750	4.500
	2.812	2.810	
4.500	3.688	3.680	5.500
	3.812	3.810	

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