

Properties of Part 01366513 - Collar, float 7 M45AP HCQ125 NR HYDL 513 32.0, A
(Engineering)

Part Number	01366513	Name	Collar, float 7 M45AP HCQ125 NR HYDL 513 32.0
Primary Legacy Number	M45AP70H513H12A0 01	Version	A.2
Secondary Legacy Number		Is Prime	Not Set
Type	Inseparable	Source	Make
Described By	Document Number	Version	
	D000401284	A.1	
Reference Document	Number	Name	
	D000178438	Specification, Product marking and ID 99100005	
	D000178471	Specification, FE and Stage Tool Painting 99100006.doc	
	D000178482	Specification, Product Crating and Packaging 99100007.doc	
	D000178463	Specification, Cementing and Inspection of FE 99100003.doc	
	D000184209	Mid Bore Equipment Checklist 99100157	
	D000179670	Specification, Mid Bore Flapper Installation 99100107.doc	
	D000181081	Specification, Large Bore tube & Ball Kit INSTALL 99100105	
D000375702	Specification, Nexen Float Equipment Requirements 99100320		
Classification	Weatherford/Cementing/Float equipment/Float collar		



Attribute	Value	Attribute	Value
ACTIVATION METHOD	ball retained/flow activated	ACTIVATION RATING	5-8 bpm (500-700 psi)
BACK PRESSURE RATING	5000. psi	BALL DIAMETER	2.000 in
BODY DIAMETER	7.055 in	BUMP PRESSURE RATING	6800. psi
CASING SIZE	7.000 in	CASING SIZE FRACTIONAL	7
CASING WEIGHT MAXIMUM	32.0 lbs-mass/ft	CASING WEIGHT MINIMUM	32.0 lbs-mass/ft
CONNECTION DOWN NAME	HYDL 513	CONNECTION DOWN SIZE	7.000 in
CONNECTION DOWN TYPE	pin	CONNECTION DOWN WEIGHT	32.0 lbs-mass/ft
CONNECTION UP NAME	HYDL 513	CONNECTION UP SIZE	7.000 in
CONNECTION UP TYPE	box	CONNECTION UP WEIGHT	32.0 lbs-mass/ft
DRIFT DIAMETER	6.000 in	DRILLOUT DIAMETER	6.020 in
GENERIC DESCRIPTION (NODE SUB-GROUP)	Float collar	LANDING SURFACE	Wiperlok plate
LONG DESCRIPTION	Collar, float 7 M45AP double mid bore aluminum flapper valve NR HCQ125 HYDL 513 32.0 w/ AFU tube, 2.000" ball retained, Nexen FE Requirements PDC drillable	MATERIAL GRADE	HCQ125
MAXIMUM TEMPERATURE RATING	400.000 degF	MINIMUM FLOW AREA	4.4300 in**2
MODEL DESIGNATION	M45AP	PDC DRILLABILITY	PDC drillable
PRODUCT BURST RATING	14160. psi	PRODUCT COLLAPSE RATING	11710. psi
QUALITY LEVEL	Nexen FE Requirements	SHEAR SCREW QUANTITY	4
SHEAR SCREW TYPE	1/4-20UNC x 1/2 brass	TENSILE RATING	801000. lbf
TYPE	aluminum flapper	VALVE CONFIGURATION	double
VALVE TYPE	mid bore		

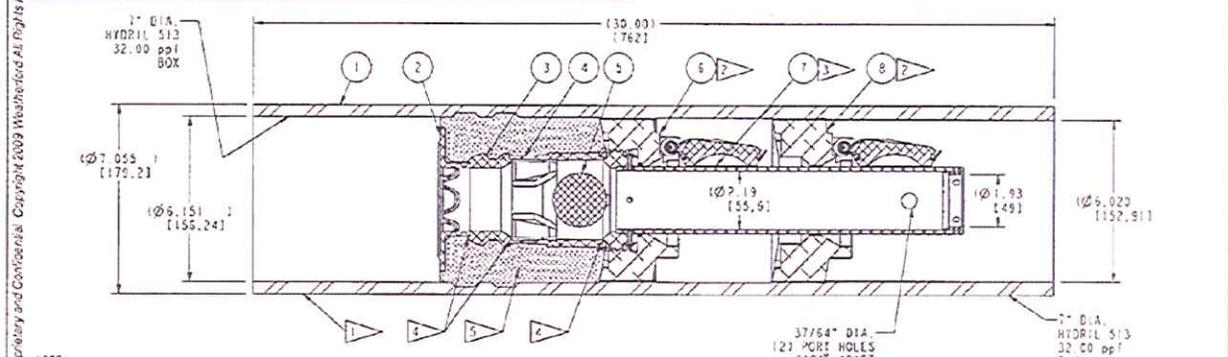
This information is the confidential and proprietary property of Weatherford International, Inc.

Do not disclose to unauthorized parties.

Do not use except as permitted by Weatherford International, Inc.

Copyright: 2009 Weatherford International, Inc. All rights reserved.

ITEM QTY	DESCRIPTION	DOC / DWG NO	PART NUMBER
1	SHELL, 7" MASAP FLOAT COLLAR	D000401284	
1	PLATE, 6-5/8" x 7-3/4" WIPERLOK SYSTEM	D000201638	00815481
1	EXTENSION, 6-5/8" x 7-3/4" WIPERLOK PLATE	D000201677	00815540
1	ASSY BALL RETAINER CAGE	0000186372	00580467
1	BALL, 2" DIA, WEIGHTED		02511117
1	VALVE UPPER SEAT, 6.070 OD	D000303998	01188904
1	ASSY AUTO-FILL TUBE 5-8 BPM	D000363053	02824437
1	VALVE LOWER SEAT, 6.070 OD	D000303999	01188905



- NOTE:
1. STAMP PRODUCT IDENTIFICATION ON SHELL PER SPECIFICATION 99100005.
 2. INSTALL UPPER & LOWER FLAPPER PLATE ASSEMBLY PER SPECIFICATION 99100137.
 3. INSTALL AUTO-FILL TUBE ASSEMBLY, PER SPECIFICATION 99100105.
 4. APPLY TUBE-LOK MODEL NO. 70160 PRIOR TO ASSEMBLY.
 5. CEMENT AND INSPECT PER SPECIFICATION 99100005.
 6. PAINT, CRATE & IDENTIFY PACKAGE PER SPECIFICATION 99100006 & 99100007.

INITIAL RELEASE	EJA	DJO	ELB
DESCRIPTION	CHK'D BY	CHK'D BY	APP'D BY
	Date	Date	Date

Engineering Location - HQ/MA		DO NOT SCALE DRAWING	
1. UNFINISHED SURFACES PER 16.28 AND 2. PREP ALL EXPOSED ENDS TO 32 RAY OR 20 (0.41) R		3. ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED	
3. 0.002 TO 0.010 MAXIMUM CORNER RADIUS UNLESS OTHERWISE NOTED		4. ALL THREADS CONCENTRIC WITH HOLE TO BE 1/16" OFF OF THREAD AXIS	
TOLERANCES		FINCH	
FRACTIONAL	DECIMAL	ANGLE	WELD
±.001	±.0005	±.001	±.001
±.002	±.001	±.002	±.002
±.005	±.002	±.005	±.005
±.010	±.005	±.010	±.010
±.015	±.007	±.015	±.015
±.020	±.010	±.020	±.020
±.030	±.015	±.030	±.030
±.040	±.020	±.040	±.040
±.050	±.025	±.050	±.050
±.060	±.030	±.060	±.060
±.070	±.035	±.070	±.070
±.080	±.040	±.080	±.080
±.090	±.045	±.090	±.090
±.100	±.050	±.100	±.100
±.125	±.062	±.125	±.125
±.150	±.075	±.150	±.150
±.175	±.087	±.175	±.175
±.200	±.100	±.200	±.200
±.250	±.125	±.250	±.250
±.300	±.150	±.300	±.300
±.375	±.187	±.375	±.375
±.450	±.225	±.450	±.450
±.500	±.250	±.500	±.500
±.600	±.300	±.600	±.600
±.750	±.375	±.750	±.750
±.900	±.450	±.900	±.900
±1.000	±.500	±1.000	±1.000
±1.250	±.625	±1.250	±1.250
±1.500	±.750	±1.500	±1.500
±1.750	±.875	±1.750	±1.750
±2.000	±1.000	±2.000	±2.000
±2.500	±1.250	±2.500	±2.500
±3.000	±1.500	±3.000	±3.000
±3.750	±1.875	±3.750	±3.750
±4.500	±2.250	±4.500	±4.500
±5.000	±2.500	±5.000	±5.000
±6.000	±3.000	±6.000	±6.000
±7.500	±3.750	±7.500	±7.500
±9.000	±4.500	±9.000	±9.000
±10.000	±5.000	±10.000	±10.000
±12.500	±6.250	±12.500	±12.500
±15.000	±7.500	±15.000	±15.000
±17.500	±8.750	±17.500	±17.500
±20.000	±10.000	±20.000	±20.000
±25.000	±12.500	±25.000	±25.000
±30.000	±15.000	±30.000	±30.000
±37.500	±18.750	±37.500	±37.500
±45.000	±22.500	±45.000	±45.000
±50.000	±25.000	±50.000	±50.000
±60.000	±30.000	±60.000	±60.000
±75.000	±37.500	±75.000	±75.000
±90.000	±45.000	±90.000	±90.000
±100.000	±50.000	±100.000	±100.000
±125.000	±62.500	±125.000	±125.000
±150.000	±75.000	±150.000	±150.000
±175.000	±87.500	±175.000	±175.000
±200.000	±100.000	±200.000	±200.000
±250.000	±125.000	±250.000	±250.000
±300.000	±150.000	±300.000	±300.000
±375.000	±187.500	±375.000	±375.000
±450.000	±225.000	±450.000	±450.000
±500.000	±250.000	±500.000	±500.000
±600.000	±300.000	±600.000	±600.000
±750.000	±375.000	±750.000	±750.000
±900.000	±450.000	±900.000	±900.000
±1000.000	±500.000	±1000.000	±1000.000
±1250.000	±625.000	±1250.000	±1250.000
±1500.000	±750.000	±1500.000	±1500.000
±1750.000	±875.000	±1750.000	±1750.000
±2000.000	±1000.000	±2000.000	±2000.000
±2500.000	±1250.000	±2500.000	±2500.000
±3000.000	±1500.000	±3000.000	±3000.000
±3750.000	±1875.000	±3750.000	±3750.000
±4500.000	±2250.000	±4500.000	±4500.000
±5000.000	±2500.000	±5000.000	±5000.000
±6000.000	±3000.000	±6000.000	±6000.000
±7500.000	±3750.000	±7500.000	±7500.000
±9000.000	±4500.000	±9000.000	±9000.000
±10000.000	±5000.000	±10000.000	±10000.000
±12500.000	±6250.000	±12500.000	±12500.000
±15000.000	±7500.000	±15000.000	±15000.000
±17500.000	±8750.000	±17500.000	±17500.000
±20000.000	±10000.000	±20000.000	±20000.000
±25000.000	±12500.000	±25000.000	±25000.000
±30000.000	±15000.000	±30000.000	±30000.000
±37500.000	±18750.000	±37500.000	±37500.000
±45000.000	±22500.000	±45000.000	±45000.000
±50000.000	±25000.000	±50000.000	±50000.000
±60000.000	±30000.000	±60000.000	±60000.000
±75000.000	±37500.000	±75000.000	±75000.000
±90000.000	±45000.000	±90000.000	±90000.000
±100000.000	±50000.000	±100000.000	±100000.000

Copyright Weatherford 2000 All rights reserved.

Weatherford

ASSY, 7" MASAP FLOAT COLLAR
MID BORE, WIPERLOK PLATE (6.000 DRIFT)
5-7 BPM (500-700 psi) HYDRIL 513 32.00 ppi

DESIGNED BY: EJA
CHECKED BY: RPD
APPROVED BY: ELB

DATE: 0.360"=1.000"
SCALE: B

D000401284

1 OF 1

A

