



BM Series



BV Series

BM Series

This multi-rib design known as the BM "Mission Type" cup allows for very light loading and has excellent tubing wall sealing characteristics. Designed to self-load, it is made with flexible lips and a large top loading lip to insure light load recovery.

BV Series

For light loads with a high ratio of sand, the BV Series swab cup will automatically dump when overloaded. The seven rib configuration is securely bonded to the aluminum or steel sleeves to prevent separation when dumping.



Sand King



BX Series

Sand King

The Sand King swab cup features five sets of dual ribs which give maximum fluid lifting in light to medium load applications. The larger upper rib in each set effects a positive seal even under the lightest load. The thicker and more rigid lower rib backs up and supports the upper rib enabling the SK cup to swab far greater fluid loads than the conventional rib-type cups.

BX Series

This cup is designed to be slightly flexible for a fast positive seal in medium load applications. Under loading, however, it compresses to form a solid rubber mass for maximum lifting capacity and durability with minimum wear.



R Series



Load King

R Series

For increased shape retention and support, this cup is designed with an internal metal reinforcement. Formulated with superior rubber compounding that is resistant to high temperatures, tearing and chunking, the R Series is an excellent choice in deep hot wells and rough or corroded tubing or casings. Because the metal is molded near the outer cup diameter, the wear is concentrated on the metal rather than the rubber.

Load King

Load King cups are designed with a high lip strength to provide maximum lifting power. When under load, the cup compresses to form a solid rubber mass capable of lifting the heaviest loads, even in rough or pitted tubings or casings.



GW Type

GW Type

The GW Type is a single lip cup reinforced with encapsulated steel spring wires. GW is designed for light loads in mixed strings, as well as internally damaged strings. The heavy, flexible lip enables the cup to run smoothly while its oversized lip automatically adjusts to provide a seal for total fluid removal.



Tubing Swab Cups - Engineering Data & Part Numbers

Tubing Data				Tubing Swab Cups (Cup O.D. in inches shown below Part Number)								
Nom. O.D. (in.)	Tubing Weight (lb/ft)	Tubing I.D. (in.)	Min. Joint I.D. (in.)	LK Series	BX Series	SK Series	BV Series	BM Series	V Series	R Series	GW Series	
1.315" (1")	1.70-1.80	1.049	.970		BX-10-AL 1.030							
	1.80	1.049			BX-10-UAL .970							
1.660" (1-1/4")	2.30-2.40		1.300		BX-12-AL 1.350	SK-12-ST 1.320						
	2.40				BX-12-UAL 1.295							
1.900" (1-1/2")	2.75-2.90	1.610	1.530	LK-15-AL 1.585	BX-15-AL 1.595		BV-15-AL 1.580		RV-15-ST 1.530	R-15 1.530		
	2.90			LK-15-UAL 1.512	BX-15-UAL 1.550							
2.000"	3.40	1.670		LK-16-AL 1.650	BX-1.670-AL 1.655	SK-16-AL 1.660						
2.063" (1-3/4")	3.25-3.40	1.751	1.700	LK-17-AL 1.695	BX-17-AL 1.690	SK-17-AL 1.690				R-17 1.630		
	3.40			LK-16-AL 1.650	BX-1.670-AL* 1.655							
2-3/8" (2")	4.60-4.70	1.995	1.945	LK-20-AL/ST 1.970	BX-20-AL/ST 1.980	SK-20-AL/ST 1.980						
	4.70			LK-20-UAL/UST 1.935	BX-20-UAL/UST 1.945 BX-1.910-AL* 1.910	SK-20-UAL/UST 1.945	BV-20-AL/ST 1.955	BM-20-AL 1.935	RV-20-ST 1.960	R-20 1.935	GW-20 1.930	
	5.30			1.938	1.890		BX-1.867-AL 1.867					
	5.80-5.95			1.867	1.805		BX-1.780-AL 1.780					
	6.20			1.853	1.795		BX-1.780-AL 1.780					
	7.70			1.703	1.645	LK-15-AL 1.585	BX-15-AL 1.595					R-15 1.530
2-7/8" (2-1/2")	6.40-6.50	2.441	2.375	LK-25-AL/ST 2.425	BX-25-AL/ST 2.425	SK-25-AL/ST 2.425	BV-25-AL/ST 2.425	BM-25-AL 2.400	RV-25-ST 2.410	R-25 2.370	GW-25 2.450	
	6.50			LK-25-UAL/UST 2.360	BX-25-UAL/UST 2.375	SK-25-UAL/UST 2.380						
	7.80-7.90	2.323	2.265	LK-23-AL 2.290	BX-23-AL* 2.323							
	7.90			LK-23-UAL 2.260	BX-2.295-AL 2.295							
	8.60-8.70	2.259	2.200	LK-29-AL/ST 2.235	BX-2.220-AL 2.220					R-2.259 2.150		
	8.70			LK-29-UAL/UST 2.170	BX-2.259-AL 2.255							
	9.50	2.195	2.130	LK-28-DP-AL/ST 2.125	BX-28-DP-AL 2.110							
	10.40DP	2.151	2.130									
11.50	1.995	1.935	LK-20-UAL/UST 1.935	BX-20-UAL/UST 1.945	SK-20-UAL/UST 1.945					R-20 1.935		
3-1/2" (3")	7.70	3.068										
	9.0-9.30 9.50DP	2.992	2.920		BX-30-AL/ST 2.980					R-30 2.940		
	9.30											
	10.20	2.922	2.878		BX-30-UAL/UST 2.890							
	10.30				BX-2.860-AL 2.860							
	12.70- 12.95	2.750	2.687		BX-2.720-AL 2.720							
	12.95											
	13.30DP	2.764										
15.50DP	2.602				BX-35-DP-AL 2.565							
4"	9.50	3.548			BX-3.548-AL* 3.548							
	11.00	3.476	3.395		BX-3.476-AL* 3.476							

*Available by special order
AL - aluminum insert

ST - steel insert
U - undersize

Casing Swab Cups - Engineering Data & Part Numbers



Casing Data				Casing Swab Cups (Cup O.D. in inches shown below Part Number)				
Nominal O.D. (in.)	Casing Weight (lb/ft)	Casing I.D. (in.)	Min. Joint I.D. (in.)	LK Series	BX Series	SK Series	V-Ring Series	R-(Wire)-Series
4-1/2"	9.50	4.090		LK-45-ST 4.000	BX-45-AL 4.020	SK-45-ST 4.020	RV-45-ST 4.030	R-45 4.000
	10.50	4.052						
	11.60	4.000			BX-3.850-AL 3.850			
	12.60 Tbg 12.75 Tbg	3.958	3.865		BX-3.850-AL 3.850			
	13.50	3.920			BX-3.850-AL 3.850			
	15.10-15.20 16.60 DP	3.826			BX-3.820-AL 3.820			
5-1/2"	13.00	5.044			BX-55-AL 4.975	SK-55-ST 4.867	RV-55UID-ST RV-55-ST 4.960 RV-55-ST-HD	R-55 4.960
	14.00	5.012						
	15.50	4.950		LK-55-ST 4.867				
	17.00	4.892			BX-4.867-AL 4.867			

* Available by special order
 RV-55UID-ST to be run on 4-1/2" mandrel
 RV-55-ST-HD is Heavy Duty version