

MOTIVE PRODUCTS APPLICATION GUIDE

scroll to bottom for adapter ID dimensions

Vehicle Make	Model	Year	Bleeder	Adapter
Acura	All	1985+	0101	1101
			Bleeder	Adapter
Alfa Romeo	All	All	0109/0100**/1101*	1109/1100**/1101*
			Bleeder	Adapter
AMC	All	1964-1988	0105	1105
			Bleeder	Adapter
Audi	All	All	0109/0100/0101	1109/1100**/1101*
			Bleeder	Adapter
BMW	All	All	0109/0100**/1101*	1109/1100**/1101*
			Bleeder	Adapter
Buick	All	1967-1980	0105	1105
	Century	1973-1984	0105	1105
	Century	1987-2006		1108/1118*
	GS	1967-1977	0105	1105
	Le Sabre, Park Avenue, Rivier	1991-2001	0108/0118*	1108/1118*
	Reatta	1991	0108/0118*	0108/0118*
	Reatta	1988-1990	0105	1105
	Regal	1967-1978	0105	1105
	Regal	1988-1990	0101	1101
	Regal, Skyhawk, Skylark, Somerset, Gran Sports	1991-2006	0108/0118*	1108/1118*
	Roadmaster	1995	0108/0118*	1108/1118*
	Skyhawk, Skylark, Somerset	1987-1991	0101	1101
			Bleeder	Adapter
Cadillac	Allante, Concours, El Dorado, Seville, (w/ABS)	1986-1995	0101	1101
	Brougham, Fleetwood	1967-1980	0105	1105
	Brougham	1990-1995	0108/0118*	1108/1118*
	Cimmaron	1987-2006	0108/0118*	1108/1118*
	CTS	2001+	0108/0118*	1108/1118*
	Deville	1991-2001	0108/0118*	1108/1118*
	El Dorado, Concours, Seville	1967-1978	0105	1105
	El Dorado	1991+	0108/0118*	1108/1118*
	Escalade	2002-	0108/0118*	1108/1118*
	Fleetwood (w/ABS)	1987-1993	0101	1101
	Fleetwood (Diesel)	1981-1986	0101	1105
	Northstar	1996+	0108/0118*	1108/1118*
	Seville SLE, STS	1996+	0108/0118*	1108/1118*
	SRX, XLR	2003+	0108/0118*	1108/1118*
			Bleeder	Adapter
Chevrolet	Baretta, Cavalier, Celebrity, Corsica, Caprice	1987-2006	0108/0118*	1108/1118*
	Alero, Blazer	1999+	0108/0118*	1108/1118*
	Alalanche	2002-	0108/0118*	1108/1118*
	Camaro	1967-1991	0105	1105
	Camaro	1993+	0108/0118*	1108/1118*

	Caprice, Impala	1967-1980	0105	1105
	Cavalier	1995+	0108/0118*	1108/1118*
	Chevelle, El Camino, Malibu Monte Carlo, Nova, Vega	1967-1977	0105	1105
	Chevette, Monsa	1975-1987	0105	1105
	Colorado	2004 +	0107/0117	1107/1117
	Corvette	1953-1962	0102	1102
	Corvette	1963-1964	0101	1101
Check Diameter	Corvette	1965-1966	0119	1119
	Corvette	1967-1982	0105	1105
	Corvette	1984-1991	0101	1101
	Corvette	1992-2010	0108/0118*	1108/1118*
	El Camino, Malibu, Monte Carlo (Diesel)	1982-1988	0105	1105
	Impala	2000-	0108/0118*	1108/1118*
	Impala SS	1994-1996	0105	1105
	Lumina, Lumina APV	1995	0108/0118*	1108/1118*
	Lumina (except Z 34 or 1100)	1990-2001	0108/0118*	1108/1118*
	Malibu	1997+	0108/0118*	1108
	Nova	1985-1988	0101	1101
	Spectrum, Sprint	1985-1992	0101	1101
	S-10	1982-1997	0105	1105
	S-10	1998-2010	0108	1108
	Silverado, Trailblazer	2001+	0108/0118*	1108/1118*
	Suburban	1967-2000	0105	1105
	Suburban, Express	2001+	0108/0118*	1108/1118*
	Transport	1999+	0108/0118*	1108/1118*
	Venture	2001+	0108/0118*	1108/1118*
	Van P,G	All		1105 (Dual cylinder)
			Bleeder	Adapter
GMC	C, K, R, V 30, 3500	1967-1987	0105	1105
	V 11500, 2500	1967-1980	0105	1105
	Pick-up 1500, 2500, 3500 rectangular cap		0115	1115
If your GMC has a rectangular reservoir cap and a plastic reservoir Bleeder Kit 0115 and adapter 1115 are the correct p/ns for all years	Pick-up 1500, 2500, 3500, round cap		0108/0118	1108/1118
	Sonoma	1991-1997	0115	1115
	Sonoma	1998-2009	0108/0118*	1108/1118*
	Blazer, Caballero, Jimmy	1976-1980	0105	1105
	Blazer, Caballero, Jimmy (Diesel)	1981-1991	0115	1115
	Blazer	1992-1997	0115	1115
	Blazer	1998-	0108/0118*	1108/1118*
	Sierra	1989-1998	0115	1115
	Sierra	2000-	0108/0118*	1108/1118*
	Trailblazer	2002-	0108/0118*	1108/1118*
	Tracker	1989-1990	0101	1101
	Yukon	1976-1990	0105	1105
	Yukon, XL	1998-2008	0108/0118*	1108/1118*
	Yukon (Diesel)	1981-1991	0115	1115
	Vans (1/2 ton, ¾ ton, 1 ton)	1967-1984	0105	1105
	Vans (¾ ton, 1 ton) w/ metal reservoir	1985-2001	0105	1105

			Bleeder	Adapter
Chrysler	All	1967-1978	0105	1105
	300C	2005-	0103	1103
	300M	1999+2004	0107/0117	1107/1117*
	Concorde LX	1993	0108	1108
	Concorde LX	1999-2002	0107/0117	1107/1117*
	Crossfire	1999-2002	0107/0117	1107/1117*
	Grand Voyager	1999-2001	0107/0117	1107/1117*
	Grand Voyager	2002+	0103	1103
	New Yorker	All	0107/0117	1107/1117*
	PT Cruiser	All	0103	1103
	Sebring	2001+	0107/0117	1107/1117*
	Voyager	LE, LX, SE	0103	1103
			Bleeder	Adapter
Dodge	All except: 1971-1975 Colt	1967-1977	0105	1105
	All w/ metal reservoir	1978	0105	1105
	Caravan	1999 +	0103	1103
	Charger	1968-1978	0105	1105
	Charger	2006 +	0103/0113*	1103/1113*
	Colt	1971-1975	0101	1101
	Colt (except Colt Mini Van)	1978-2001	0101	1101
	Coronet	1965-1976	0105	1105
	D Series	1967-1980	0105	1105
	Rampage	1982-1984	0105	1105
	Dakota	1982+	0103/0113*	1103/1113*
	Durango	1999	0107/0117*	1107/1117*
	MAGNUM	2005-2008	0103	1103
	Neon Sport	1996+	0107/0117*	1107/1117*
	Neon LE, SE	2001+	0103	1103
	Ram 150	1982-1993	0103	1103
	Ram 250	1982-1985	0103	1103
	Ram 350	1981-1983	0103	1103
	Ram 250 w/plastic	1981,86-88	0103	1103
	Ram 250 w/metal	1981,86-88	0105	1105
	Ram 350 w/plastic	1984-1987	0103	1103
	Ram 350 w/metal	1984-1988	0105	1105
	Ram 250, 350	1989-1993	0115	1115
	Ram 1500, 2500, 3500	1994-1997	0115	1115
	Ram 1500, 2500, 3500	1998-2005	0103	1103
	Ramcharger	1974-1989	0105	1105
	Stealth	1991-1996	0101	1101
	Stratus	1999+	0107/0117*	1107/1117*
	Viper, non ABS	1992-2002	0107/0117*	1107/1117*
	Viper with ABS	2001-2008	0103	1103/1113
	W100/150 w/ metal reservoir	1967-1981	0105	1105
	2000 GTX	1978-2001	0101	1101
			Bleeder	Adapter
Dodge Van	B Series w/ metal reservoir	1967-1980	0105	1105
			Bleeder	Adapter
Eagle	All	1988-2001	0101	1101

			Bleeder	Adapter
Ferrari	All	All	0109/0100**/0101*	1109/1100**/1101*
			Bleeder	Adapter
Ford	All w/ metal reservoir	1967-1987	0105	1105
	All except Mystique, Probe '94-'99	1988-2001	0101	1106/1107/ 1101*
	Aerostar	1993+	0107/0117*	1107/1117*
	Contour	All	0109/0100**/0101*	1109/1100**/1101*
	Courier	1972-1982	0109/0100**/0101*	1109/1100**/1101*
	Crown Victoria	1992-1994	0115	1115
	Escort Exp. w/ metal reservoir	1983-1990	0105	1105
	Escape	2005+	0107/0117*	1107/1117*
	Escort	1991+	0107/0117*	1107/1117*
	Explorer	All	0107/0117*	1107/1117*
	Fiesta	1978-1980	0109/0100**/0101*	1109/1100**/1101*
	Focus	All	0109/0100**/0101*	1109/1100**/1101*
	GT		0107	1107
	Mystique	1994-1999	0109/0100**/0101*	1109/1100**/1101*
	Mustange	1964-1966	0119	1119
	Mustang	1967-1985	0105	1105 if rectangular
	Mustang	1987-2004	0107	1107 if cap has 3 tabs. 1106 if cap has 2 tabs
	Mustang	2005+	0118	1118
	Navigator	2001+	0107/0117*	1107/1117*
	Probe	1994-1999	0109/0100**/0101*	1109/1100**/1101*
	Ranger	1996-2009	0107/0117*	1107/1117*
	Clutch reservoir – if reservoir neck is 45mm in diameter and threaded	1989-2008	0109/0100**/0101*	1109/1100**/1101*
	Taurus	All	0107/0117*	1107/1117*
	F150, F250, F350	1987+	0107/0117*	1107/1117*
	Windstar	2000	0107/0117*	1107/1117
			Bleeder	Adapter
Ford Truck	All w/ metal reservoir	1967-1986	0105	1105
	All except Aerostar	1987-2001	0107	1107/1117*
			Bleeder	Adapter
Gen. Motors	All with ITT MkIV ABS	All	0108/0118*	1108/1118*
			Bleeder	Adapter
Geo	Metro	1996-2001	0101	1101
			Bleeder	Adapter
Honda	If Master Cylinder Cap is less than 3" in diameter.	1973-2010	0101	1101
	If Master Cylinder Cap is 3" or greater in diameter.	1973-2010	0119	1119
			Bleeder	Adapter
Hyundai	All except Pony, 1992-93 Sonata	1985-2001	0101	1101
	Accent	1995+	0107/0117*	1107/1117*
	Elantra	2001+	0107/0117*	1107/1117*

	Sonata	1995+	0107/0117*	1107/1117*
	Stellar	1985-1987	0109/0100**/0101*	1109/1100**/1101*
			Bleeder	Adapter
International	All trucks (Light Duty)	1967-1980	0105	1105
			Bleeder	Adapter
Infinity	G35x	All	0107/0117*	1107
	M35x	All	0107/0117*	1107
	All others	All		Please call or email for help
			Bleeder	Adapter
Isuzu	All	1984-2001	0101	1101
			Bleeder	Adapter
Jaguar	Daimler Super V8	All	0109/0100**/0101*	1109/1100**/1101*
	S type	1999+	0107/0117*	1107/1117*
	XKR, XJR	1999+	0109/0100**/0101*	1109/1100**/1101*
	X type	2001+	0109/0100**/0101*	1109/1100**/1101*
			Bleeder	Adapter
Jeep	Cherokee, Grand Cherokee, Wagoneer	1967-1980	0105	1105
	Cherokee, Grand Cherokee, Wagoneerw/ metal reservoirs	1984-1992	0105	1105
	Cherokee	1995	0107/0117*	1107/1117*
	Cherokee, Wrangler, Grand Cherokee	1996+	0103	1103
	Clutch if neck is 45mm in diameter and threaded	All	0109/0100**/0101*	1109/1100**/1101*
	CJ, YJ, Comanche	1967-1994	0105	1105
	CJ, YJ, Comanche w/ plastic reservoir	1995-2001	0101	1101
	CJ, YJ, Comanche w/ metal reservoir	1995-2001	0105	1105
	Liberty	2002-2008	0103	1103
	J10, J20	1967-1980	0105	1105
	Wrangler JK	2007	0103	1103
	Wrangler TJ	1997+	0107/0117*	1107/1117*
			Bleeder	Adapter
Kia	Rio	2003+	0107/0117*	1107/1117*
	Sephia, Sportage, Sorento	All	0109/0100**/0101*	1109/1100**/1101*
			Bleeder	Adapter
Land Rover/ Range Rover	All except Discovery II	1970-2001	0109/0100**/0101*	1109/1100**/1101*
			Bleeder	Adapter
Land Rover	Discovery II	2000+	0101	1101
	Series 2, Series 2a	1958-1968	0101	1101
	Series 3	All	0101	1101
			Bleeder	Adapter
Lexus	All except some GS	All	0101	1101
			Bleeder	Adapter
Lincoln	Aviator	2003-2005	0107	1107
	Continental	1961-1966	0101	1101
	Continental	1967-1989	0105	1105

	Continental	1990-2002	0107	1107
	Continental Executive	1991-1994	0107	1107
	Continental Signature	1990-1994	0107	1107
	LS	2000-2005	0107	1107
	Mark V	1977-79	0105	1105
	Mark VII	1984-1992	0107	1107
	Navigator	1998-2009	0107	1107
	Town Car	1981-1989	0105	1105
	Town Car	1990-2009	0107/0117*	1107/1117*
			Bleeder	Adapter
Lotus	Elise/Exige	All	0109/0100**/0101*	1109/1100**/1101*
			Bleeder	Adapter
Mazda	Miata	1 st and 2 nd Gen Brake	0111	1111
	Miata	1 st and 2 nd Gen Clutch	0109/0100**/0101*	1109/1100**/1101*

Mazda seems to change caps from model year and version of their vehicles. We have seen the 1100, 1109, 1107 and the 1108 work on different Mazdas. Our best advice is to measure the inner diameter of the caps and compare those measurements to the pictures found at this webpage. <http://www.motiveproducts.com/CAPS.html>

			Bleeder	Adapter
Mercedes Benz	All	All	0109/0100**/0101*	1109/1100**/1101*
			Bleeder	Adapter
Mercury	All w/ metal reservoir	1967-1999	0105	1105
	Capri	1971-1977	0109/0100**/0101*	1109/1100**/1101*
	Capri	1979-1985	0105	1105
	Contours	1995-2001	0109/0100**/0101*	1109/1100**/1101*
	Grand Marquis	1992-1994	0107	1107
	Merkur	1985-2001	0109/0100**/0101*	1109/1100**/1101*
	Tracer	1991-1992	0109/0100**/0101*	1109/1100**/1101*
	Sable	1990-1995	0107	1107
	All others	1988-2001	0107/0117*	1107/1117*
			Bleeder	Adapter
Mini (New)	Cooper/Cooper S	2001+	0109/0100**/0101*	1109/1100**/1101*
			Bleeder	Adapter
Mitsubishi	All	All	0101	1101
	Evolution, EVO 8-10	2003+	0107/0117*	1107/1117*
	Lancer	2003+	0107/0117*	1107/1117*
	Outlander	All	0107/0117*	1107/1117*
	All Wagons	1999+	0107/0117*	1107/1117*
			Bleeder	Adapter
Nissan	All	1970-2005	0101	1101
	100 SX	1995+	0107/0117*	1107/1117*
	200 SX	All	0107/0117*	1107/1117*
	350 Z	2003+	0107/0117*	1107/1117*
	Frontier	1999+	0107/0117*	1107/1117*
	Quest	2000+	0107/0117*	1107/1117
	Sentra	2007		
	Maxima	1995-2006	0107/0117*	1107/1117*
	Maxima	2007	none	none
	Titan	2007+	0107/0117*	1107/1117*
			Bleeder	Adapter

if cap is round and has three tabs that engage the reservoir neck then cap 1107 /1117 should work

Oldsmobile	Achieva	1992-2005	0108/0118*	1108/1118*
	Aurora	1995-2001	0108/0118*	1108/1118*
	Calais, Cutlass Ciera,Firenza	1987-2006	0108/0118*	1108/1118*
	Cutlass,	1967-1973	0105	1105
	Cutlass,	1974-1981	0101	1101
	Cutlass, Supreme, Vista Cruiser (Diesel)	1982-1987	0105	1105
	Firenza	1987-1999	0101	1101
	Intrigue	1998+	0108/0118*	1108/1118*
	Omega	1973-1979	0105	1105
	Passport, Optima	1988-1991	0101	1101
	Regency, Royale (Diesel)	1981-1985	0105	1105
	Silhouette	1995	0108/0118*	1108/1118*
	Starfire	1975-1980	0105	1105
	Tornado	1967-1978	0105	1105
	Tornado (Diesel)	1982-1985	0105	1105
	88, 98, Custom, Cruiser, Delta, Regency Royale	1967-1980	0105	1105
	88, 98, Custom, Cruiser, Delta, Regency Royale	1991-1999	0108/0118*	1108/1118*
			Bleeder	Adapter
Peugeot	All	All	0109/0100**/0101*	1109/1100**/1101*
			Bleeder	Adapter
Plymouth	All	1967-1978	0105	1105
	All	1995-2001	0101	1101
	Breeze		0107	1107
	Laser	1990-1993	0101	1101
	Neon	1994-1995	0101	1101
	Grand Voyager	1997	0103	1103
	Voyager	1987	0105	1105
			Bleeder	Adapter
Pontiac	Acadian	1976-1987	0105	1105
	Astre, Beaumont	1967-1978	0105	1105
	Asuna, Sunfire	1992-1999	0108/0118*	1108/1118*
	Bonneville, Catalina w/ metal reservoir	1967-1986	0105	1105
	Bonneville SSE, Bonneville (optional)	1991	0108/0118*	1108/1118*
	Firebird, Trans Am	1967-1992	0105	1105
	Fiero,	1984-1988	0105	1105
	Firebird, Trans Am	1993-2002	0108/0118*	1108/1118*
	Grand Am, Lemans	1976-1980	0105	1105
	Grand Am, Lemans, J2000 Sunfire,Phoenix, Sunbird	1987-1991	0101	1101
	Grand Am	1987-2006	0108/0118*	1108/1118*
	Grand Prix	1967-1981	0105	1105
	Grand Prix (Diesel)	1982-1984	0105	1105
	Grand Prix (except 1994-95 GT)	1988-1999	0101	1101
	Grand Prix	1992-1996	0108/0118*	1108/1118*
	GTO	1964-1978	0105	1105

		2004+	Pontiac has used at least three different caps on the modern GTO - if the cap is rectangular bleeder 0115 is needed (cap 1115). If the cap is round and is secured by 3 tabs that engage the neck of the reservoir it will use one of the three caps listed on this page www.motiveproducts.com/caps.html depending on the inner diameter. Call With Questions	
	GTO			
	J2000, Sunfire w/ metal reservoir	1976-1980	0105	1105
	J2000 Sunbird	1992-1994	0108/0118*	1108/1118*
	Parisienne, Phoenix, Safari, Sunbird w/ metal reservoir	1976-1980	0105	1105
	Parisienne, Safari (Diesel)	1981-1985	0105	1105
	Sunbird	1987-2006	0108/0118*	1108/1118*
	Sunburst Tempest	1985-1991	0101	1101
	Sundance	1996-1999	0108/0118*	1108/1118*
	Sunfire	1995-1998	0108/0118*	1108/1118*
	Transport Van	1991-1999	0101	1101
	Trans Sport	1995	0108/0118*	1108/1118*
	Ventura	1967-1978	0105	1105
	6000	1987-2006	0108/0118*	1108/1118*
			Bleeder	Adapter
Porsche	All	All	0109/0100**/0101*	1109/1100**/1101*
			Bleeder	Adapter
Renault	All	1972-1989	0109/0100**/0101*	1109/1100**/1101*
			Bleeder	Adapter
Saab	All	1972-	0109/0100**/0101*	1109/1100**/1101*
			Bleeder	Adapter
Saturn	All	1992-2001	0109/0100**/0101*	1109/1100**/1101*
	SW	all years	call	call
			Bleeder	Adapter
Subaru	All	All	0101	1101
	Forrester	1999+	0107/0117*	1107/1117*
	Impreza	1998+	0107/0117*	1107/1117*
	Outback	1989+	0107/0117*	1107/1117*
	STI	2005+	0107/0117*	1107/1117*
	WRX	2001+	0107/0117*	1107/1117*
			Bleeder	Adapter
Suzuki	All	1979-1999	0101	1101
			Bleeder	Adapter
Toyota		All	0101	1101
	4Runner	All	Call	Call
	Corolla	2009-	none	none
			Bleeder	Adapter
Volvo	All, except S40, V40	1972-2001	0109/0100**/0101*	1109/1100**/1101*
	S40, V40	All	0101	1101
			Bleeder	Adapter
VW	Bug,	All after 1963	0104	1104
	Bus	1950-1967	0100/0109	1100/1109
	Bus	After 1967	0104	1104
	All Watercooled VW	All	0100/0101	1100/1109

	All with push on plug caps		0101	1101
	Vanagon	1980+	0109/0100**/0101*	1109/1100**/1101*

* All vehicles that use the Custom 1100, 1106, 1107, 1108, 1109, 1113, 1117, 1118 adapters can also use the **1101 Universal Round Adapter**.

** Adapters 1109 and 1100 are interchangeable. The 1109 is the latest version with new enhanced features. See description in product listing.

***We have come across some VW Bus from the 60s that use the 1100. Please measure the ID of the reservoir. If it is 1 3/4" please order the 1100.

This is not an exhaustive list; our adapters may fit vehicles not listed here. If you do not see your vehicle, please call us at 877-59-BRAKE. We also are looking for owners of cars not listed that are in the SF Bay area that are willing to allow us to test fit a cap in return for a discount.

TILTON and WILWOOD APPLICATIONS

WARNING – while the 1100 and the 1109 Cap will mate with the Tilton 74 and 75 series, we have seen in testing that in actuality the cap does not fit properly and can “pop” off the reservoir. Therefore we sell the 1112 cap which is a modified Tilton Cap. Also pressurizing the brake fluid reservoir can result in the reservoir popping off the master cylinder for reservoirs attached directly to the master cylinder if the retaining clamp is not tight.

Wilwood model #	Power Bleeder model	adapter part # (included in kit)
260-3372	0100**	1100
260-3374	0100**	1100
260-3376	0100**	1100
260-3378	0100**	1100
260-3380	0100**	1100
260-5920	0100**	1100
260-6764	Call	Call
260-6765	Call	Call
260-6766	Call	Call
260-1304	0101	1101
260-2636	0101	1101
260-6579	0101	1101
260-4893	0105*	1105
260-4894	0103***	1103
260-9439	0115	1115
260-8555/56	0115	1115

TILTON / WILWOOD / STRANGE INFO

1105 adapter or the 0105 bleeder kit works with Tilton series 73, AFCO, and Howe master cylinders.

***Also works on Strange master cylinder with

We do not have an adapter to fit Wilwood 260-8555 or 260-8556

Classic English Car Applications

Make	Model	Years	Adapter (brake)	Adapter (clutch)
Austin Healey	BN1-BN2	all	1109	1109
	BN4-BJ8	all	1100	1100
	Sprite	1959-67	1110	1110
	Sprite	1968-71	1101**	1110
Austin-Cooper	Mini	1959-73	1110	1110
	Mini	1974-77*	1110	1110
	Mini	1978-	1119	
Jaguar	XKE (38)	all	1100	??
	XKE (42)	all	1100	1110
	Mark II	all	1100	1110
	XJ6, XJ12	1968-77	1100	1110
	XJ6, XJ12	1978-87	1101**	1110
	XJ6, XJ12	1988-94	1100	1100
	XJS	1976-88	1101**	none
MG	Midget	1959-67	1110	1110
	Midget	1968-80	1101**	1110
MG T	TC		1109	none
MGA	1500-1600	all	1110	1110
MGB		1962-67	1110	1110
		1968-74	1101**	1110
Triumph	2,3	all	1110	1110
	3-3B	all	1109	1109
	4-4A	all	1101**	1109
	250,6	all	none	1109
	Spitfire	1971-75	none	1100
	Spitfire	1976-80	1100	1100
	7	all	1110	1100
8	all	1110	1100	

*with single line system

**1101 universal adapter fits 38-81 mm reservoir opening and requires clamping to reservoir with chain and bolt kit provided with adapter

adapter sizes are listed below for reference

Cap Part Number	Size in MM	Size in Inches		Notes
1100	43.25 mm	1.75		
1101	38-81mm	1.5 to 2.90		lgth 5.19"
1102	31.5mm	1.24		18 threads per inch Male
1103	42 mm	1.63		
1104	27 mm	1.06		
1105	Dim 4.25" x 6.75" (not recommended for reservoirs more than 3"x5")	hole spacing 3.5"		not for use with plastic reservoirs
1106/1107	50.5 mm	1.98		
1108	48.43	1.90		
1109	43.3 mm	1.75		
1110	25 mm	0.98		
1111	70.5 mm	2.77		
1115	4.75 x 8"			
1119		4.25 in diameter		
1122		1 5/8 at the threads		