

SCUBA Tools

The key to good equipment maintenance is using the correct tools. ASSET Technicians are expected to be properly equipped with appropriate tools. To prevent damage, some tasks require special or non-standard tools. Over the years, our chief instructor, C. Stewart Meinert, has either designed and made or discovered tools that are of particular use to the cylinder tester or Scuba technician; on numerous occasions, students have asked where these can be obtained. In some cases they had been one-off specials, making them unavailable.

Stewart now offers a range of tools both of his own design and those less readily available, making it easier for anyone setting up a workshop to obtain them.

Cylinder Inspection and testing		
Picture	Description	price
	The "CSM" DIN cylinder valve removal/refitting tool. Designed to screw into and lock against the face of the "DIN" outlet, with a brass washer, to minimise the possibility of damaging the valve. Complete with ½" drive, to facilitate the use of a torque wrench. (Exclusive CSM design. Not available elsewhere).	£45.50
	The "CSM" International "A" clamp cylinder valve removal/refitting tool. Designed to spread the load over a large area, thus minimising the possibility of damaging the valve. Complete with ½" drive, to facilitate the use of a torque wrench. (Exclusive CSM design. Not available elsewhere).	£49.50
	The "CSM" Internal defect probes (extendable rod with 3 probes and needles) Used properly, in conjunction with a digital calliper, can be as accurate as more expensive electronic alternatives. (Exclusive CSM design. Not available elsewhere).	£43.50
	Digital Calliper (Note: Model may vary cosmetically from photo)	£15.00
	Digital dial indicator gauge. Used in conjunction with a magnetic "V" block to measure external defects on cylinders. (Note: Model may vary cosmetically from photo)	£43.00
	Magnetic "V" Block. Used in conjunction with a dial indicator to measure external defects on cylinders. (Note: Model may vary cosmetically from photo)	£25.00
	SS 16mm dental mirror and handle. German medical quality, not a cheap eastern imitation. Attach a pencil torch and create a simple cylinder neck thread inspection tool.	£7.50

Note: Prices are subject to change without notice. Every effort is made to maintain stocks but, from time to time some items become unavailable. Actual model may vary cosmetically from the photo.

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	Medical pencil torch C/W batteries. For general illumination or used with a dental mirror for inspecting cylinder neck threads.	£6.00
	USB Digital Boroscope with clip on mirror. for viewing the shoulder and neck area of cylinders. Take and store photos of defects. Easier to use than an optical scope and at least 10 times cheaper! (Laptop not included)	£45.00
	The "CSM" LED Drop Light. The brightest power efficient drop light available. 150mm, double sided, white LEDs, water resistant covering, c/w transformer and 1.5m cable.	£28.50
Regulator Maintenance and Repair		
Picture	Description	Price
	The "CSM" 19mm yoke bolt tool with lock bridge and ½" square hole to accept a torque wrench. Remove yoke bolts without slipping. Re-install them to the correct torque. (Exclusive CSM design. Not to be confused with cheap alternatives)	£39.50
	The "CSM" 25mm yoke bolt tool with lock bridge and ½" square hole to accept a torque wrench. Remove yoke bolts without slipping. Re-install them to the correct torque. (Exclusive CSM design. Not to be confused with cheap alternatives)	£39.50
	3/8" and 7/16" first Stage holding bar. Used to prevent a first stage rotating in the vice. Or use it to hold a valve body while using other tools.	£15.00
	40 – 42 C Hook Pin Wrench. Fits many first stage locking rings e.g. Apeks. (For Apeks you need either two of these or one of these plus the 30 – 50 below (provides maximum flexibility).	£15.50
	30 – 50 Adjustable C Hook Pin Wrench. Adjusts to different diameters of first stage body.	£24.50
	5.5mm Nut Spinner. You simply can't adjust the majority of second stages without one.	£10.50
	¼ inch Nut Spinner. You simply can't adjust most the majority of USA made second stages without one.	£10.50

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	3 Way Hex Key. 4, 5 and 6mm. The three most common hex keys, always to hand.	£4.50
	2mm Compass wrench. Many regulators have access plugs or turrets that need one of these to remove them.	£14.50
	3mm Compass wrench. Many regulators have access plugs or turrets that need one of these to remove them.	£15.50
	Manometer with adaptor and hose. The simplest and cheapest method of testing “cracking pressure”. Ideal for the traveling technician. You can’t accurately set up the majority of second stages without one. Just add a mouthpiece to suite the regulator and you’re ready to test.	£26.50
	Interstage pressure gauge with Hansen probe. Plugs into a BCD hose. The simplest and cheapest method of testing “interstage pressure”. Ideal for the traveling technician. You can’t adjust a first stage without one.	£29.50
	Artery Forceps. Useful for inserting small parts where fingers can’t reach. Also for adjusting Poseidon Jetstream/Extreme second stages.	£5.50
	Schrader valve core tool. Indispensable for removing and installing valve cores in BCD hoses and inflators.	£5.00
	Virosol Citrus based detergent cleaner. Excellent for cleaning regulator and other components. Economical, dilutes up to 50:1. Food grade, Biodegradable, low foaming. Use with or without and ultrasonic cleaner.	£12.50

One Off Items (when it’s gone, it’s gone!)	
75mm Panel mounted 20 bar pressure gauge (new unboxed)	£30.00

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