





CSM TechTools

Key to good equipment maintenance is the use of appropriate 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	Code
	The "CSM" G5/8" "DIN" Cylinder Valve Removal/Refitting Tool Designed to screw into and lock against the face of the "DIN" outlet. Brass washer minimises the possibility of damaging the valve. 1/2" square drive, for use with a torque wrench. (Exclusive CSM design. Not available elsewhere).	CSM001
	As above but M26 "DIN" for Nitrox valves	CSM01a
	The "CSM" International "A" Clamp Cylinder Valve removal/refitting tool. Designed to spread the load, thus minimising the possibility of damaging the valve. Complete with 1/2" square drive, for use with a torque wrench. (Exclusive CSM design. Not available elsewhere).	CSM002
	"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).	CSM003
	Digital Calliper (Note: Model may vary cosmetically from photo)	CSM004
	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)	CSM005
	Magnetic "V" Block. Used in conjunction with a dial indicator to measure external defects on cylinders. (Note: Model may vary cosmetically from photo)	CSM006

Note: For current prices contact csmtechtools@aol.com Every effort is made to maintain stocks however, from time to time some items become unavailable. Actual model may vary cosmetically from the photo.

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	Split Screwdriver. Essential for removing cylinder valve handwheels.	CSM026 -
	Medical Torch with mirror attached C/W No 2 and No 4 mirrors. This all in one tool is an effective way to inspect cylinder neck threads.	CSM029
	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)	CSM009
	"CSM" white LED Drop Light. Upgraded model. The brightest power efficient drop light available. 150mm, double sided, water resistant covering, c/w transformer and 2.0m of double insulated cable. (Exclusive CSM design)	CSM010 WH
	"CSM" Ultra Violet LED Drop Light. Upgraded model. The brightest power efficient drop light available. 150mm, double sided, water resistant covering, c/w transformer and 2.0m of double insulated cable. (Exclusive CSM design)	CSM010 UV
Regulator Maintenance and Repair		
Picture	Description	Price
	"CSM Quick Vice" with both "V" and Soft jaws. Excellent quality vice. The arrangement is similar to the Heidrich™ Vice but half the price. The jaws are retained magnetically so remain secure whilst opening and closing the vice.	CSM-QV
	"CSM" 19mm Yoke Bolt Tool with lock bridge and ½" square drive for torque wrench. Remove yoke bolts without slipping. Re-install them to the correct torque. Exclusive CSM design. (Not to be confused with cheap alternatives)	CSM011
	"CSM" 25mm Yoke Bolt Tool with lock bridge and ½" square drive for torque wrench. Remove yoke bolts without slipping. Re-install them to the correct torque. Exclusive CSM design. (Not to be confused with cheap alternatives)	CSM012
	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.	CSM013

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	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).	CSM014
	30 – 50 Adjustable C Hook Pin Wrench. Adjusts to different diameters of first stage body.	CSM015
	5.5mm Nut Spinner. You simply can't adjust the majority of second stages without one.	CSM016
	¼ inch Nut Spinner. You simply can't adjust most the majority of USA made second stages without one.	CSM017
	3 Way Hex Key. 4, 5 and 6mm. The three most common hex keys, always to hand.	CSM018
	2mm Compass Wrench. Many regulators have access plugs or turrets that need one of these to remove them.	CSM019
	3mm Compass Wrench. Many regulators have access plugs or turrets that need one of these to remove them.	CSM020
	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 go.	CSM021
	New. Deluxe Interstage Pressure Gauge with safety valve, pressure release and Hansen Probe. Plugs into a standard BCD hose. A cost effective method of testing "interstage pressure". Ideal for the traveling technician. Forget the cheap ones. You can't adjust a first stage without one.	CSM022
	Artery Forceps. Useful for inserting small parts where fingers can't reach. Also for adjusting Poseidon Jetstream/Extreme second stages.	CSM023
	Schrader Valve Core Tool. Indispensable for removing and installing valve cores in BCD hoses and inflators.	CSM024
	Brass O Ring Pics. The best ready made picks I've ever seen.	CSM025


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	<p>The CSM Tumbling Machine. DIY plans, drawings and materials with parts schedule and operating instructions.</p>	<p>CSM028</p>
	<p>Cable Tie Tensioner Gun. Nothing tensions a cable tie like these do. No more loose mouthpieces and BCD hoses.</p>	<p>CSM-CTG</p>
	<p>BCD Tool. The one for those pesky Technical wing inflators.</p>	<p>CSM-BCT</p>

ASSET Technician's Polo Shirt

	<p>ASSET Technician's polo shirt. Small – 4XL.</p>	<p>Tech Shirt</p>
	<p>ASSET Cylinder Technician's polo shirt. Small – 4XL.</p>	<p>Cyl Shirt</p>
<p>Note: ASSET Technicians shirts are only available to ASSET members who hold the appropriate qualification. Please include your grade and membership number, when ordering.</p>		

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