

Issue date: 29 October 2008  
Product Line: Handheld hydraulic equipment  
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Subject: New LCD 500 and LCD 1500 core drills  
replacing the old LCD 5 - LCD 24 models

## Two new models of core drill now released: The LCD 500 and LCD 1500



The performance and main specifications are in general similar to the previous core drills that will be replaced with immediate effect.

The new models are:

**LCD 500 core drill p/n 1806 1014 38** Replaces LCD 5 p/n 1808 5121 06  
and LCD 10 p/n 1808 5121 11

**LCD 1500 core drill p/n 1806 1014 39** Replaces LCD 15 p/n 1808 5121 16  
and LCD 24 p/n 1808 5121 25

The new core drills operate on the same hydraulic flow and pressure as the previous models for operation from the full line of power packs and OFD oil flow dividers.

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## Machine data

Weight without hoses and drill bit	7 kg (15.4 lb)
Oil flow range	20-30 l.p.m. (5-8 US gal/min)
Pressure relief valve setting (max.)	150 bar (2200 psi)
E.H.T.M.A. category	C and D
Max. back pressure in return line (measured at core drill)	14 bar (200 psi)
Oil working temperature	30-70°C (86-158°F)
Required cooling capacity	Approx. 2 kW

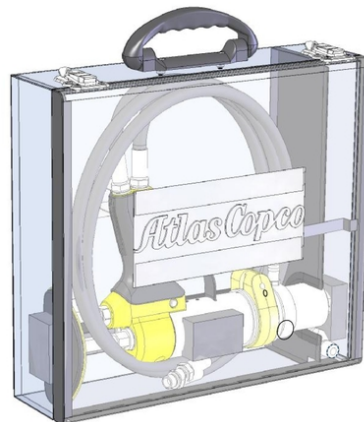
Core drill type	20 l.p.m. (5 US gal/min)		30 l.p.m. (8 US gal/min)	
	rpm	Drill bit diameter mm (in)	rpm	Drill bit diameter mm (in)
LCD 500	600	75-202 (3-8)	900	50-100 (2-4)
LCD 1500	1500	25-75 (1-3)	2250	12-30 (0.5-1.2)

Improved operator comfort and safe use with higher performance are the key improvements on the new models:

- Hand-shaped handle grip with extended rubber cover for perfect grip and control of rotation torque
- Hydraulic inlets and hoses connected through handle to support and reduce torque transferred directly to operator
- Extended front handle length for better torque control

This allows increased torque setting for better torque and higher performance on large diameter and deep hole drillings.

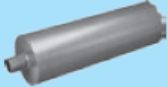

- Soft rubber pad on breast plate for increased operator comfort
- Convenient shaped aluminum trigger lever for perfect controlled start/stop
- Soft start for safe and easy control of drilling
- Trigger guard for safe use and trigger mechanism protection
- Trigger locking with quick lever release for convenient deep hole drilling and drill stand operation
- 1.6 m thin and flexible tail-hoses with standard flat-face quick-release couplings for light, easy connection and operation
- Water hose with on/off and regulation of water flushing supplied from water tap or the water kit (optional p/n 3371 8090 02)
- Core bit adaptor ½ " BSP x 1 ¼" UNC included to accept use of common industry standard core bits in diameters from 10-250 mm
- Supplied in a strong powder coated steel toolbox for transport and storage



The new core drills will, like the previous models, fit into standard drill stands accepting the mounting of round 60 mm front adaptors.

They will also make good use of the high quality diamond core bits offered as Atlas Copco branded from PTD stock. In local markets, more diameters and different core bit lengths will be easy available to meet local customer needs.

**Diamond core bits** (thread size 11/4 UNC)

	Description	Core bit size	Length	Weight	Drilling material	Part number
		<i>mm</i>	<i>mm</i>	<i>kg</i>		
	Diamond core bit	Ø 62	450	1.7	Concrete, reinforced concrete and brickwork	3378 0050 61
	Diamond core bit	Ø 82	450	2.4	Concrete, reinforced concrete and brickwork	3378 0050 62
	Diamond core bit	Ø 102	450	3.2	Concrete, reinforced concrete and brickwork	3378 0050 63
	Diamond core bit	Ø 112	450	3.7	Concrete, reinforced concrete and brickwork	3378 0050 64
	Diamond core bit	Ø 132	450	4.6	Concrete, reinforced concrete and brickwork	3378 0050 65
	Diamond core bit	Ø 152	450	6.0	Concrete, reinforced concrete and brickwork	3378 0050 66
	Diamond core bit	Ø 162	450	6.3	Concrete, reinforced concrete and brickwork	3378 0050 67
	Diamond core bit	Ø 200	450	9.9	Concrete, reinforced concrete and brickwork	3378 0050 68
	Drill chuck for steel and wood drilling		100	0.4	Chuck 1.5 - 13 mm (0.06 - 0.51 in) Adaptor (1/2 in bsp to 3/8 bsp)	3371 8077 68

Best regards

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Product Line manager