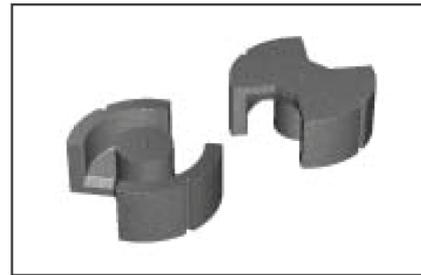
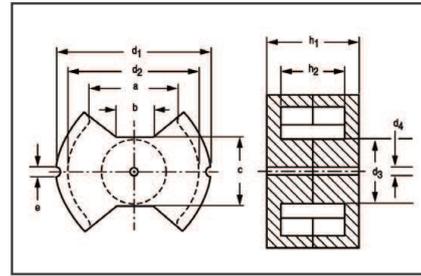


PM cores

PM cores are a variation on classic P cores, suitable for large high power transformers and energy storage chokes. They have larger wire slots facilitating easy assembly, but still the good shielding of a closed core shape. PM cores can be found in transmission and radar equipment and in various high power industrial installations.

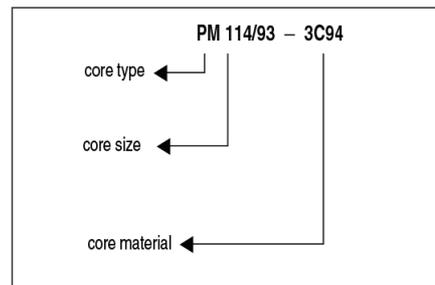
Summary :

- good shielding
- easy assembly
- robust core shape
- available in state of the art power materials



Core type		PM87/70	PM114/93
effective core parameters	core factor $\Sigma l/A(\text{mm}^{-2})$	0.161	0.116
	eff. volume $V_e (\text{mm}^3)$	133000	344000
	eff. length $l_e (\text{mm})$	146	200
	eff. area $A_e (\text{mm}^2)$	910	1720
	min. area $A_{\text{min}} (\text{mm}^2)$	700	1380
	mass of core half (g)	770	1940
dimensions (mm)	a	1940	53.5 ± 1.5
	b	13	20
	c	35 ± 1	44 ± 1
	d1	87 - 3	114 - 4.5
	d2	67.1 + 2.1	88 + 3.7
	d3	31.7 - 1	43 - 1.4
	d4	8.5 + 0.3	5.4 + 0.4
	e	5 - 0.4	5.3 + 0.4
	h1	70 - 0.8	93 - 1
h2	48 + 0.8	63 + 1.6	

Core type		PM87/70	PM114/93
Core sets	3C90	A13800	A20000
	3C94	A13800	A20000



A315- gapped core set with asymmetrical gap (A). AL = 315 nH.
 1200 ungapped core set. AL = 1200 nH.

A_L value (nH) measured at $B \leq 0.1 \text{ mT}$, $f \leq 10 \text{ kHz}$, $T = 25^\circ\text{C}$
 A_L tolerance: ± 25%