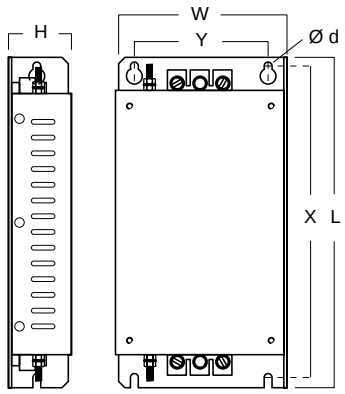
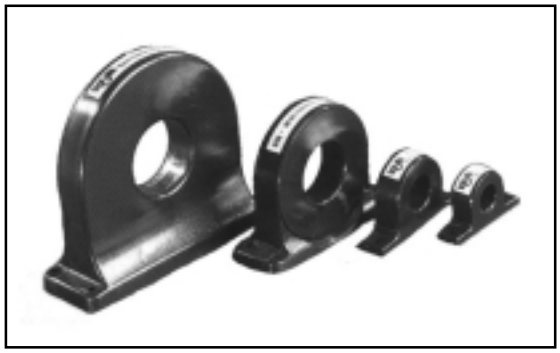
●Filters for R88D Series Servo Drives

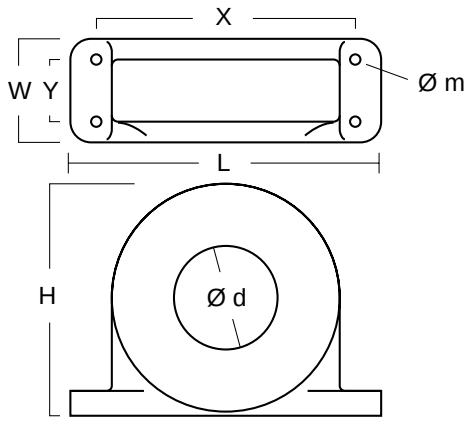
Footprint Type Design



Drive	Filter	Current (A)	L	W	H	X	Y	d	wt (kg)
			(mm)			(mm)			
R88D UA02H R88D UA03H R88D UA04H R88D UA08H	R88A FIU 105E	5	215	67	38	205	48	M5	0.5
R88D UA12H	R88A FIU 110E	10	210	80	40	197	57	M5	0.5
R88D UA20H	R88A FIU 115E	15	210	110	40	200	85	M5	0.5
R88D UT40H	R88A FIU 4020E	20	300	111	46	287	80	M5	1.4
R88D UT60H R88D UT80H	R88A FIU 4040E	40	300	152	47	283	120	M6	1.6
R88D UT110H R88D UT120H	R88A FIU 4060E	60	300	210	56	283	140	M6	3.5

●PFO Motor Cable Chokes





Output Choke	motor kW	D (mm)	L	W	H	X	Y	m	wt (kg)
			(mm)			(mm)			
3G3IV PFO OC/1	≤ 2.2	21	85	22	46	70	-	5	0.1
3G3IV PFO OC/2	≤ 15	28	105	25	62	90	-	5	0.2
3G3IV PFO OC/3	≤ 45	50	150	50	110	125	30	5	0.7
3G3IV PFO OC/4	> 45	60	200	65	170	180	45	6	1.7

The PFO output chokes can be used in conjunction with the filters to improve EMC performance. They are especially effective where radiated emissions from long drive to motor cables are a problem e.g. corruption of near by control or data cable signals or radio / television interference. The correct fitting of a PFO choke into the motor cable can eliminate these problems.

The table above gives approximate motor kW ratings for the chokes but the selection is ultimately governed by the type and thickness of motor cable fitted i.e. the motor cable must fit through the PFO choke centre hole.

Occasionally EMC problems will occur within an installation when components in the same wiring enclosure affect one another, for example, open control boards may corrupt low level sensor signals. Usually in these cases the fitting of additional chokes into the control and sensor cables will cure the problem - a small amount of experimentation may be required to determine the optimum configuration of these additional chokes.