

Gear rack winding heads for the BENCH models

The gear rack winding heads are designed for precision layer winding with low built up factors. Typical applications are the production of variacs, potentiometers and transformer secondary windings. All the winding heads work with a robust gear rack and drive gear system, this allows the winding head to generate a large amount of torque which makes it suitable for large wire size. The wire is dereeled from the winding magazine via two guide rollers as it is layered on the core, the magazine itself is held back under con-

stant tension via the breaking system which is adjustable to suit each wire size. All gear rack winding heads can utilise two designs of magazines the „KN“ type has a quick opening facility and the „SN“ type which has a completely removeable section for taller cores. A range of narrow racks and multifilar wire guides can be supplied for reduced core I.D's and strip winding. Customised components for special applications can be supplied upon request.



winding head data	RW 0		RW 1		RW 2		RW 3	
	mm	inch/AWG	mm	inch/AWG	mm	inch/AWG	mm	inch/AWG
wire range	0,1-0,6	23-28	0,2-1,0	18-32	0,2-1,4	15½-32	0,4-2,12	12-26
magazine diameter	72	2,83	130	5,11	210	8,26	220	8,65
finished core OD	25-150	1,0-6,0	25-150	1,0-6,0	25-350	1,0-14,0	25-350	1,0-14
finished core ID	11	0,433	13	0,51	17	0,70	25	1,0
finished height	22	0,87	50	1,96	80	3,15	100 (120)	3,93 (4,72)
max. winding speed rpm	305		230		230		150	
compatible roller tables	RW 222-L, RW 222-P		RW 222-L, RW 222-VL, RW 222-P, RW 222-VP		RW 222-L, RW 222-VL, RW 222-P, RW 222-VP, RW 332-L, RW 332-P		RW 222-L, RW 222-VL, RW 222-P, RW 222-VP, RW 332-L, RW 332-P	
compatible m/c bases	all RWE machine series		all RWE machine series		all RWE machine series		all RWE machine series	



winding head data	RW 4		RW 4-V		RW 4-RZ	
	mm	inch/AWG	mm	inch/AWG	mm	inch/AWG
wire range	0,4-2,36	11-26	0,4-2,8	9½-26	0,4-2,0	12-26
magazine diameter	340	13,39	340	13,39	340	13,39
finished core OD	60-500	2,4-20	60-500	2,4-20	60-500	2,4-19,5
finished core ID	25	1,0	29	1,14	32	1,25
finished height	150 (170)	5,9 (6,69)	150	5,9	150 (170)	5,9 (6,69)
max. winding speed rpm	85		85		320	
compatible roller tables	RW 332-L, RW 332-P		RW 332-L, RW 332-P		RW 332-L, RW 332-P	
compatible m/c bases	all RWE machine series		all RWE machine series		all RWE machine series	

All heads are also available with pneumatic brake system. (optional)