



Racks can be supplied modified to enable easy mounting by addition of plain or tapped holes.

## Steel Racks

Cross+Morse standard gear racks are manufactured in medium carbon steel suitable for induction or flame hardening if required. The spur racks are precision machined with 20 degree pressure angle, and to be completely compatible with standard range of spur gears have identical face width. The designer is free to select any combination of standard spur gear and rack of same pitch to obtain "off the shelf" rack and pinion sets. These provide the ideal method to convert rotary into linear motion for table drives etc. or linear to rotary motion as in feeds. In addition to the standard range of racks special constructions can be provided with pitch size up to 16 mod.

Cat. No.	Pitch Module	Width B	Overall Height h	Height to Pitch Line hp	Length L	Approx. Weight Kg.
R1005 R1010 R1020 R1030	1	15 15 15 15	15 15 15 15	14 14 14 14	500 1000 2000 3000	0.82 1.65 3.05 4.90
R1505 R1510 R1520 R1530	1.5	17 17 17 17	17 17 17 17	15.5 15.5 15.5 15.5	500 1000 2000 3000	1.08 2.07 4.30 6.40
R2005 R2010 R2020 R2030	2	20 20 20 20	20 20 20 20	18 18 18 18	500 1000 2000 3000	1.40 2.82 5.10 7.90
R2505 R2510 R2520 R2530	2.5	25 25 25 25	25 25 25 25	22.5 22.5 22.5 22.5	500 1000 2000 3000	2.00 4.00 7.40 11.50
R3005 R3010 R3020 R3030	3	30 30 30 30	30 30 30 30	27 27 27 27	500 1000 2000 3000	3.10 6.20 11.50 18.50
R4005 R4010 R4020 R4030	4	40 40 40 40	40 40 40 40	36 36 36 36	500 1000 2000 3000	5.50 11.00 20.40 32.00
R5005 R5010 R5020 R5030	5	50 50 50 50	50 50 50 50	45 45 45 45	500 1000 2000 3000	7.92 15.90 29.40 48.00
R6005 R6010 R6020 R6030	6	60 60 60 60	60 60 60 60	54 54 54 54	500 1000 2000 3000	12.15 24.30 50.20 75.00
R8005 R8010 R8020	8	80 80 80	80 80 80	72 72 72	500 1000 2000	21.40 42.70 85.40