

Dorschel KG

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Recommended Speeds / Diamond instruments / Carbide instruments

Size FG	Dentistry	Laboratory	
	min	Handpiece PM	min
005 - 014	300.000	005 - 014	50.000
016	280.000	016	50.000
018	250.000	018	50.000
021	210.000	021	50.000
023	190.000	023	50.000
025	180.000	025	50.000
027	160.000	027	50.000
029 – 031	150.000	029 – 031	50.000
033 – 037	120.000	033 – 037	50.000
040 – 042	100.000	040 – 042	50.000
045	80.000	045	50.000
047	80.000	047	45.000
050	80.000	050	40.000
055	80.000	055	35.000
060	60.000	060	35.000
065 – 070	60.000	065 – 070	30.000
075 – 080	50.000	075 – 080	25.000
085 – 090	45.000	085 – 090	25.000
095	45.000	095	20.000
		100 – 110	20.000
		120 – 130	18.000
		140 – 150	16.000
		160 – 170	14.000
		180 – 190	12.000
		200 – 220	10.000

To produce optimum results, turn the rotary instruments at their recommended speeds.

Long, pointed instruments tend to oscillate if their maximum permissible speeds are exceeded -this may destroy the instruments.

If the diameter of the working part exceeds that of the shank, powerful centrifugal forces may build up at high speeds which may bend the shank and – or fracture the instruments. The maximum permissible speed must therefore never be exceeded.

Non-adherence to the maximum permissible speeds increases the risk of accidents.