

# Phoenix Naylors Abrasives Ltd

## ROLL GRINDING WHEELS

### Aluminium Rolling Mills

"Phoenix" have over the last 40 years gained considerable expertise in grinding wheel formulations to provide the optimum grinding wheels for the many various grinding applications. Not only are the grinding characteristics of the roll to be ground important, there is also the machine output to be taken account of. Popular roll grinding machines can have outputs from below 10 horsepower per 25 mm of wheel face through to high horsepower machines. These considerations are vital in establishing the grinding wheel formulation which will give superior product performance able to grind to tolerances plus and minus 20 millionths of an inch total indicated run- out, and achieve surface finish of less than 0.5 micro inch Ra. Phoenix wheels give a more precise grind which means a more precise nip: uniform pressures, uniform calliper, uniform wear profiles, no break-in requirements and longer life between grinds. Recent product development has established a new Bond Systems—BR bond for general purpose, soft wet grinding and BRM modified bond for flexibility, wet grinding. It is also proven that for super finish excellent results are achieved with \*E bond Shellac. Based upon our long history of supplying customers world wide we recommend the specifications for customer requirements.



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