



Rasp Components

R-4 AP (All Purpose) Hub		Art. No: 111006
R-4 AP (All Purpose) Hub Convex		Art. No: 111007
R-4 NS (Non Spiral) Hub		Art. No: 111008
R-4 REG (Regular) Hub		Art. No: 111009
TURBO Application (Special Cooling Channels / recommended)		Art. No: 111400

Pins

Pins 1/4" 96 mm (Standard length)		Art. No: 111201
Pins 1/4" 102 mm (Standard length)		Art. No: 111202
Pins 1/4" Length on demand (less than 102 mm)		Art. No: 111203
Pins 1/4" Length on demand (longer than 102 mm)		Art. No: 111204
Pins 1/4" Curved with Radius 100 mm, length 96 mm		Art. No: 111209
Repinning Curved pins incl. alignment (recommended)		Art. No: 111213

Detreader refills

R-4-20 Detreader	(1 set of 4)	Art. No: 111167*
R-4-25 Detreader	(1 set of 4)	Art. No: 111168*

Spacers Alu I-Beam

R-4 Aluminium I-Beam Spacer 3/8"		Art. No: 111310
R-4 Aluminium I-Beam Spacer 1/4"		Art. No: 111311
R-4 Aluminium I-Beam Spacer 3/16"		Art. No: 111312
R-4 Convex Aluminium I-Beam Spacer 3/8"	Pinhole 7.7 mm	Art. No: 111352
R-4 Convex Aluminium I-Beam Spacer 1/4"	Pinhole 7.7 mm	Art. No: 111353
R-4 Convex Alu I-Beam Air Spacer 1/4"	Pinhole 7.7 mm	Art. No: 111359*

Spacers Alu I-Beam Air

R-4 Alu I-Beam Air Spacer 3/8"		Art. No: 111450*
R-4 Alu I-Beam Air Spacer 1/4"		Art. No: 111451*
R-4 Convex Alu I-Beam Air Spacer 3/8"	Pinhole 7.7 mm	Art. No: 111453*
R-4 Convex Alu I-Beam Air Spacer 1/4"	Pinhole 7.7 mm	Art. No: 111454*

Spacers Alu Aircooled

R-4 Aircooled Aluminium Spacer 3/8"		Art. No: 111313
R-4 Aircooled Aluminium Spacer 1/4"		Art. No: 111314
R-4 Aircooled Aluminium Spacer 3/16"		Art. No: 111315
R-4 Convex Aircooled Aluminium Spacer 3/8"	Pinhole 7.7 mm	Art. No: 111357
R-4 Convex Aircooled Aluminium Spacer 1/4"	Pinhole 7.7 mm	Art. No: 111324
R-4 Convex Aircooled Aluminium Spacer 3/16"	Pinhole 7.7 mm	Art. No: 111358

Spacers HD

R-4 AP HD Spacer, 6 mm		Art. No: 111406
R-4 AP Convex HD Spacer, 6 mm		Art. No: 111407
R-4 NS HD Spacer, 6 mm		Art. No: 111408
R-4 REG HD Spacer, 6 mm		Art. No: 111409
R-4 REG Convex HD Spacer, 6 mm		Art. No: 111415

**R-4 is equipped with pins Ø 1/4" / 6.35 mm,
Saturn II with Ø 5/16" / 7.9 mm**