



SPL Spindel und Präzisionslager GmbH



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SPL hydrodynamic spindles for tool machines and test rigs

SPL-model	application	nominal power (kW) driven by	max. speed (U/min)	Ø front bearings (mm)	Ø cartridge (mm)	Ø shaft interface (mm)
2501.0	test rig	12 motor spindle	90.000	20.0	120	15 cylindrical
2056.0	test rig	20 coupling	40.000	50.0	prismatic	A3 DIN 55026
2205.0	test rig	4 coupling	1.800	55.0	120	40 inner cone
2226.0	test rig	44 coupling	8.000	55.0	120	45 cylindrical
2201.3	test rig	4 coupling	3.600	70.0	140	MK-C3 DIN 228
2031.0	regulating spindle	4 gear	600	75.0	prismatic	127 cylindrical
2410.0	test rig	22 coupling	18.000	80.0	prismatic	72 taper
2431.0	test rig	120 coupling	25.000	80.0	200	72 flange
2003.0	roll grinding	60 belt	1.400	110.0	prismatic	100 taper
2036.0	grinding	100 belt	2.200	110.0	220 bearing shells	304,8 cylindrical
2015.1	grinding	45 belt	3.100	120.0	prismatic	140 taper
2082.0	grinding, axial infeed	45 belt, without radial forces	3.100	120.0	prismatic	140 taper
2001.0	roll grinding	60 belt	1.200	125.0	prismatic	100 taper
2023.0	roll grinding	60 belt, without radial forces	1.200	140.0	prismatic	100 taper
2115.0	workpiece spindle	17 belt	130	150.0	250	130 cylindrical
2242.0	test rig	500 belt	6.000	160.0	500	100 cylindrical

Other sizes and external dimensions / speeds on request.

Multi-lobe bearings are primarily used in our SPL spindles.

The radii of these lobes are off-centered with respect to the spindle shaft.

The most of our hydrodynamic spindle systems are designed for circular lubrication.

To ensure the best possible properties of our spindle systems, we offer hydraulic power packs and coolers too.