

High Speed Spindles for Grinding

<http://www.uskoreahotlink.com/products/manufacturing/high-frequency-spindles/>

LPR's High Speed Spindles are ideal for a wide range of cylindrical and surface grinding operations. Ranging from 30 mm to 230 mm in diameter, they are capable of high speeds up to 125,000 rpm. Applications include ID/OD grinding, bearing manufacturing, automotive glass grinding, tool grinding, and LCD edge processing. As previous grinding machine manufacturers, our engineers have extensive knowledge about designing efficient and durable grinding spindles. The combination of hybrid ceramic angular contact bearings with grease or oil mist lubrication systems ensures high rigidity and minimal vibration. We use leading toolholder brands such as HSK, BT and ISO for superior precision. Optional features include encoders and rotary joints. Please contact us for customized spindle designs.



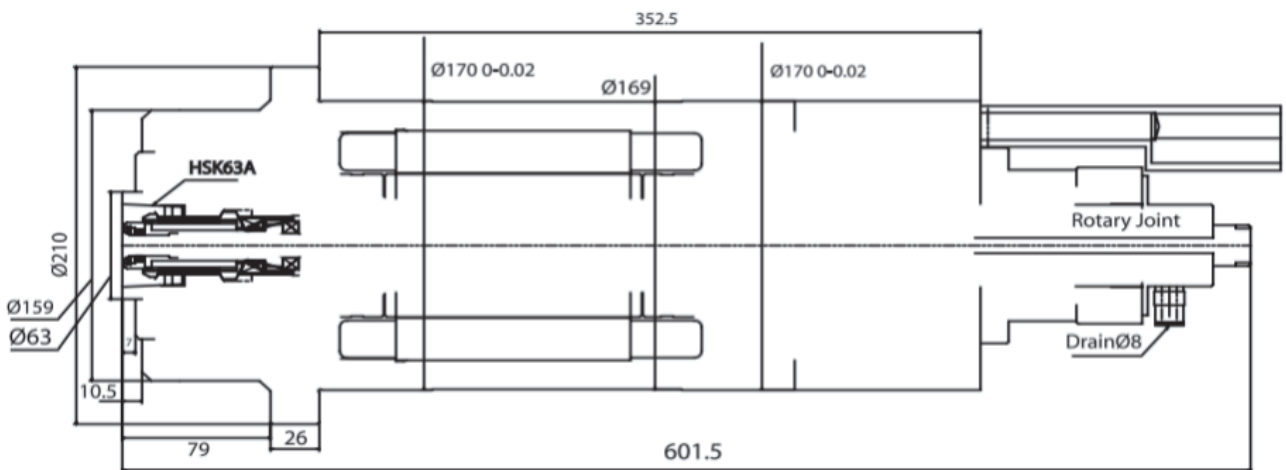
SW170-2425-H63AECOT



SW110-1207-BB30



SW110-1207-BB30



Technical drawing for SW170-2425-H63AECOT

Manual Tool Change Spindles for Grinding

Model	Diameter (mm)	Power (kW)	Speed (max rpm)	Toolholder	Lubrication
SW60-3005-S	60	0.5	30,000	Straight	Grease
SW60-3001-S	60	1.0	30,000	Straight	Grease
SW60-1507-T	60	0.7	15,000	Taper	Grease
SW60-4013-T	60	1.3	40,000	Taper	Grease
SW62-2006-T	62	0.65	20,000	Taper	Grease
SW62-3012-T	62	1.2	30,000	Taper	Grease
SW80-1205-S	80	0.5	12,000	Straight	Grease
SW80-3033-S	80	3.3	30,000	Straight	Grease
SW80-3033-ST	80	3.3	30,000	Straight	Grease
SW80-1213-T	80	1.3	12,000	Taper	Grease
SW90-1213-S	90	1.3	12,000	Straight	Grease
SW90-4033-MT1	90	3.3	40,000	MT1	Grease
SW90-3033-MT2	90	3.3	30,000	MT2	Grease
SW90-5025-SO	90	2.5	50,000	Straight	Oil Mist
SW90-3033-B	90	3.3	30,000	Bar	Grease
SW100-1205-I40	100	5.0	12,000	ISO40	Grease
SW100-6002-SO	100	2.0	60,000	Straight	Oil Mist
SW100-3009-SO	100	9.0	30,000	Straight	Oil Mist
SW100-6005-SO	100	5.0	60,000	Straight	Oil Mist
SW100-7004-SOT	100	4.0	70,000	Straight	Oil Mist
SW110-1255-S	110	5.5	12,000	Straight	Grease
SW110-1207-S	110	7.0	12,000	Straight	Grease
SW110-1255-T	110	5.5	12,000	Taper	Grease
SW110-1255-TT	110	5.5	12,000	Taper	Grease
SW110-1207-T	110	7.0	12,000	Taper	Grease
SW110-2407-T	110	7.0	24,000	Taper	Grease

Manual Tool Change Spindles for Grinding

Model	Diameter (mm)	Power (kW)	Speed (max rpm)	Toolholder	Lubrication
SW110-2407-T	110	7.0	24,000	Taper	Grease
SW110-1255-H40C	110	5.5	12,000	HSK C40	Grease
SW120-4575-SO	120	7.5	45,000	Straight	Oil Mist
SW120-3018-SO	120	18.0	30,000	Straight	Oil Mist
SW120-4212-SO	120	12.0	42,000	Straight	Oil Mist
SW120-5112-SO	120	12.0	51,000	Straight	Oil Mist
SW120-6006-SO	120	6.0	60,000	Straight	Oil Mist
SW120-6010-SO	120	10.0	60,000	Straight	Oil Mist
SW120-3010-SO	120	10.0	30,000	Straight	Oil Mist
SW120-1514-SO	120	14.0	15,000	Straight	Oil Mist
SW120-4515-SO	120	15.0	45,000	Straight	Oil Mist
SW148-1204-I40	148	4.0	12,000	ISO40	Grease
SW150-3618-SO	150	18.0	36,000	Straight	Oil Mist
SW170-2425-SECO	170	25.0	24,000	Straight	Oil Mist
Tool Grinding Spindles					
SW110-W (Work Head)	110	-	5,000	Straight	Grease
SW100-284-R (Rough Grinding)	100	-	6,000	Straight	Grease
SW120-8014-F (Finish Grinding)	120	1.4	8,000	Straight	Grease
SW180-6085-R (Motorized Rough Grinding)	180	8.5	6,000	Straight	Grease

Automatic Tool Change Spindles for Grinding

Model	Diameter (mm)	Power (kW)	Speed (max rpm)	Toolholder	Lubrication
SW100-4033-H32E	100	3.3	40,000	HSK E32	Grease
SW100-3055-H40EO	100	5.5	30,000	HSK E40	Oil Mist
SW110-1255-BB30	110	5.5	12,000	BBT30	Grease
SW110-1207-BB30	110	7.0	12,000	BBT30	Grease
SW110-3095-BB30ECO	110	9.5	30,000	BBT30	Oil Mist
SW110-2495-B30	110	9.5	24,000	BT30	Grease
SW110-2411-B30	110	11.0	24,000	BT30	Grease
SW110-2455-H32ET	110	5.5	24,000	HSK E32	Grease
SW110-4055-H40EO	110	5.5	40,000	HSK E40	Oil Mist
SW120-2495-H40E	120	9.5	24,000	HSK E40	Grease
SW120-2495-H40AEC	120	9.5	24,000	HSK E40	Grease
SW120-2411-H40E	120	11.2	24,000	HSK E40	Grease
SW120-4055-H40EO	120	5.5	40,000	HSK E40	Oil Mist
SW120D-2015-H40EECT	120	15.0	20,000	HSK E40	Grease
SW120-2415-B30	120	15.0	24,000	BT30	Grease
SW120-2415-B30EC	120	15.0	24,000	BT30	Grease
SW140-2412-BB40	140	12.0	24,000	BBT40	Grease
SW140-2425-H50A	140	25.0	24,000	HSK A50	Grease
SW150-2425-H40AECT	150	25.0	24,000	HSK A40	Grease
SW150-3612-H40AECO	150	12.0	36,000	HSK A40	Oil Mist
SW170-2415-B40ECO	170	15.0	24,000	BT40	Oil Mist
SW170-2415-B40O	170	15.0	24,000	BT40	Oil Mist
SW170-2425-H63AECOT	170	25.0	24,000	HSK A63	Oil Mist
SW230-2440-H63AECO	230	40.0	24,000	HSK A63	Oil Mist