

# Fortuna FAV series

## Extra-long spindles with stepped spindle housing for belt drive

These spindles are especially suitable for the internal grinding of holes with a large thickness ratio. The clutch shaft principle as a tried and trusted design feature offers unbeaten results, even in the case of difficult machining jobs with deep drilled holes.

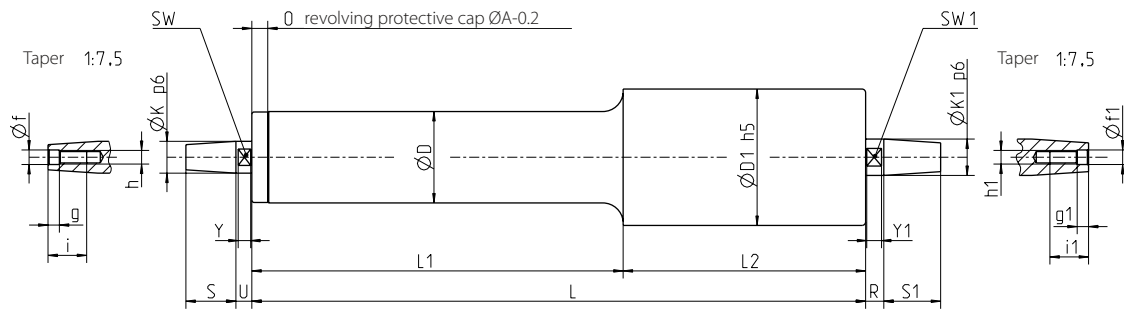
- External taper on working side
- Pre-tensioning of the precision bearing groups using a spring system that does not have to be readjusted
- Long-lasting grease lubrication
- Non-wearing labyrinth seal system
- Spindles are completely dynamically balanced
- Taper true running  $\leq 0.002$  mm
- Diameter to length ratio of up to 1:15 possible

### Options/special solutions:

- Right/left protection
- Other Dimensions and versions on request



Description		Dimensions [mm]																						max. Speed	
Type	D. D1	L	L1	L2	K	K1	S	S1	U	Y	Y1	R	O	f	f1	i	i1	g	g1	h	h1	SW	SW1	[rpm]	
FAV	25.60	•	335	175	160	9	16	15	25	6	4.5	6.5	8	7	4.2	6.3	12	17	3.5	5	M4	M6	8	14	25'000
FAV	25.60	•	380	220	160	9	16	15	25	6	4.5	6.5	8	7	4.2	6.3	12	17	3.5	5	M4	M6	8	14	25'000
FAV	25.60	•	450	290	160	9	16	15	25	6	4.5	6.5	8	7	4.2	6.3	12	17	3.5	5	M4	M6	8	14	25'000
FAV	25.60	•	530	370	160	9	16	15	25	6	4.5	6.5	8	7	4.2	6.3	12	17	3.5	5	M4	M6	8	14	25'000
FAV	25.80	•	530	290	240	9	16	15	25	6	4.5	6.5	8	7	4.2	6.3	12	17	3.5	5	M4	M6	8	14	25'000
FAV	28.60	•	450	290	160	9	16	15	25	6	4.5	6.5	8	7	4.2	6.3	12	17	3.5	5	M4	M6	8	14	23'000
FAV	28.80	•	530	290	240	9	16	15	25	6	4.5	6.5	8	7	4.2	6.3	12	17	3.5	5	M4	M6	8	14	23'000
FAV	28.80	•	630	390	240	9	16	15	25	6	4.5	6.5	8	7	4.2	6.3	12	17	3.5	5	M4	M6	8	14	23'000
FAV	32.60	•	450	290	160	9	16	15	25	6	4.5	6.5	8	7	4.2	6.3	12	17	3.5	5	M4	M6	8	14	20'000
FAV	32.60	•	530	370	160	9	16	15	25	6	4.5	6.5	8	7	4.2	6.3	12	17	3.5	5	M4	M6	8	14	20'000
FAV	32.80	•	530	290	240	9	16	15	25	6	4.5	6.5	8	7	4.2	6.3	12	17	3.5	5	M4	M6	8	14	20'000
FAV	32.80	•	630	390	240	9	16	15	25	6	4.5	6.5	8	7	4.2	6.3	12	17	3.5	5	M4	M6	8	14	20'000
FAV	36.60	•	450	290	160	11	16	18	25	6	4.5	6.5	8	7	5.3	6.3	14	17	4.5	5	M5	M6	9	14	18'000
FAV	36.60	•	530	370	160	11	16	18	25	6	4.5	6.5	8	7	5.3	6.3	14	17	4.5	5	M5	M6	9	14	18'000
FAV	36.80	•	530	290	240	11	16	18	25	6	4.5	6.5	8	7	5.3	6.3	14	17	4.5	5	M5	M6	9	14	18'000
FAV	36.80	•	630	390	240	11	16	18	25	6	4.5	6.5	8	7	5.3	6.3	14	17	4.5	5	M5	M6	9	14	18'000



Description		Dimensions [mm]																						max. Speed	
Type	D. D1	L	L1	L2	K	K1	S	S1	U	Y	Y1	R	O	f	f1	i	i1	g	g1	h	h1	SW	SW1	[rpm]	
FAV	42.60	•	450	290	160	14	16	22	25	7	5.5	6.5	8	7	6.3	6.3	17	17	5	5	M6	M6	12	14	15'000
FAV	42.60	•	530	370	160	14	16	22	25	7	5.5	6.5	8	7	6.3	6.3	17	17	5	5	M6	M6	12	14	15'000
FAV	42.60	•	630	470	160	14	16	22	25	7	5.5	6.5	8	7	6.3	6.3	17	17	5	5	M6	M6	12	14	15'000
FAV	42.80	•	630	390	240	14	16	22	25	7	5.5	6.5	8	7	6.3	6.3	17	17	5	5	M6	M6	12	14	15'000
FAV	50.60	•	630	470	160	16	16	25	25	8	6.5	6.5	8	8	6.3	6.3	17	17	5	5	M6	M6	14	14	13'000
FAV	50.80	•	530	290	240	16	16	25	25	8	6.5	6.5	8	8	6.3	6.3	17	17	5	5	M6	M6	14	14	13'000
FAV	50.80	•	630	390	240	16	16	25	25	8	6.5	6.5	8	8	6.3	6.3	17	17	5	5	M6	M6	14	14	13'000
FAV	60.80	•	700	460	240	24	24	32	32	11	8.5	8.5	11	8	8.3	8.3	22	22	5.5	5.5	M8	M8	22	22	11'000
FAV	80.100	•	800	560	240	34	34	45	45	13	11	11	13	10	12	12.3	30	30	8	8	M12	M12	30	30	8'000
FAV	90.100	•	900	660	240	34	34	45	45	13	11	11	13	10	12	12.3	30	30	8	8	M12	M12	30	30	7'000
FAV	100.120	•	1000	700	300	48	48	65	65	13	11	11	13	10	12	12.3	30	30	8	8	M12	M12	41	41	6'500
FAV	110.120	•	1200	900	300	48	48	65	65	13	11	11	13	10	12	12.3	30	30	8	8	M12	M12	41	41	6'000

Direction of rotation to R or L (please specify without fail when ordering)

Sample order: FAV25.60R335 oder FAV25.60L335

