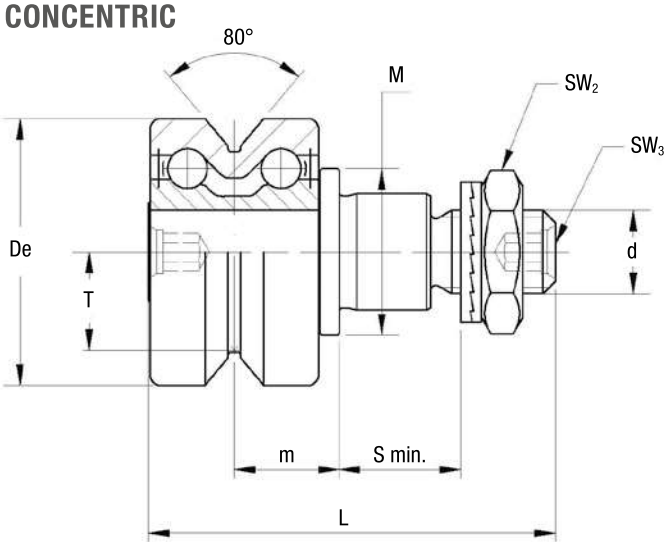
V-LINE / FS SYSTEM
GUIDE ROLLERS FR ... EU

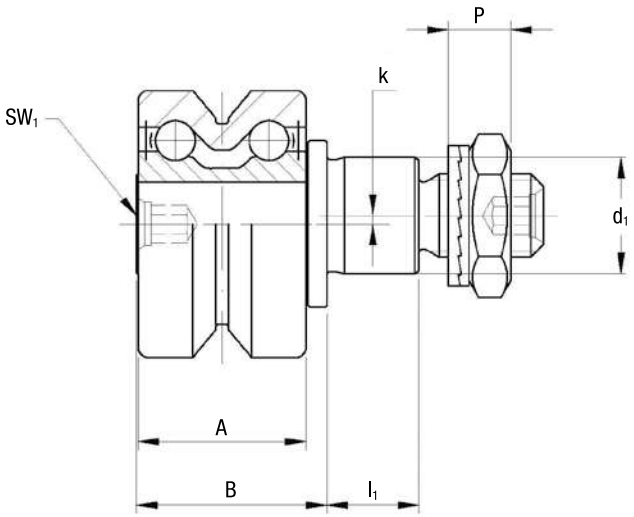
Guide roller with ball bearings.
The sides of the race are slightly convex.



CONCENTRIC



ECCENTRIC



Type		Dimensions (mm)															
concentric	eccentric	De	d_1 [2]	d	T	m	$S_{min.}$	P	L	A	B	l_1	M	SW_1	SW_2	SW_3	k
FR 22 EU[1) 3)]	FRR 22 EU[1) 3)]	22	9	M6 x 1	7.7	9.4	9	6.5	36.8	15	18	8	14	4	10	2,5	0.8
FR 32 EU[1)]	FRR 32 EU[1)]	32	14	M10 x 1.25	11.8	12.6	12	8.5	48.9	20.2	22.9	11	20	4	17	4	1
FR 40 EU[1)]	FRR 40 EU[1)]	40	16	M12 x 1.5	14.6	15.5	12	10.4	58.5	25	29.5	11	22	5	19	5	1
FR 52 EU	FRR 52 EU	52	21	M16 x 1.5	19.1	19.8	15	11.4	69.5	32	36.5	14	28	6	24	6	1.5
FR 62 EU	FRR 62 EU	62	27	M20 x 1.5	22.1	20.8	18.5	12.4	80	33.6	39	17.5	35	8	30	8	2

1) FR/R 22, 32, 40 are available in stainless steel (NX)
2) Housing bore tolerance: H7
3) FR/R 22 EUNX: VAC for high vacuum applications on request

Type		Dynamic load (N)	Limit loads (N)		Life coefficients		Torque wrench settings [5] (Nm)	Weight (g)
		C_w [4]	Radial F_r	Axial F_a	X	Y		
FR 22 EU	FRR 22 EU	2900	1400	420	1	2	3	45
FR 32 EU	FRR 32 EU	5800	2000	800	1	1.9	20	125
FR 40 EU	FRR 40 EU	8500	3650	1400	1	1.9	26	230
FR 52 EU	FRR 52 EU	11700	8500	3000	1	1.9	64	510
FR 62 EU	FRR 62 EU	13900	11000	3500	1	1.9	120	765

4) Cw basic load for 100 km
5) The torque wrench settings are given for non-lubricated threads; for lubricated threads, multiply figure by 0.8

- The guide rollers are complete with self-locking washers and hexagonal nut (DIN 439B) for fitting
- Pressure angle α for load calculation: 40°
- Standard: NBR seals RS type