

LR... AND FR...

◆ FR	eccentric, " V " profile O.D.	FR...R	eccentric, " V " profile O.D, stainless steel DIN1.4034
FR...Z	concentric, " V " profile O.D.	FR...ZR	concentric, " V " profile O.D, stainless steel DIN1.4034
LR	eccentric, crowned O.D (R=500mm)	LR	eccentric, crowned O.D, stainless steel DIN1.4034
LR...Z	concentric, crowned O.D.(R=500mm)	LR	concentric, crowned O.D, stainless steel DIN1.4034

◆ Track roller for vee bar

The backlash setting and the pre-tensioning of the rollers takes place via the eccentric hub of the rollers of the series FR., FR..R or LR., LR..R. The FR..Z and LR..Z series are the concentric models. In the eccentric rollers, the inner bolts are provided with two holes. These allow for the adjustment of the backlash. If a roller is located in its zero position, the teeth backlash will be the standard value of 0.05 mm flank clearance.

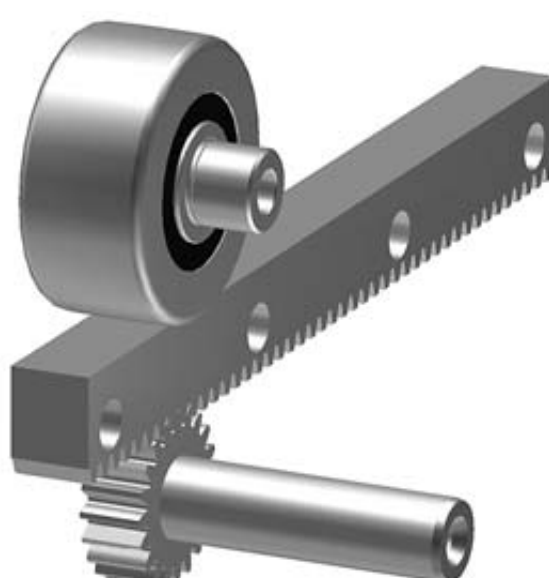
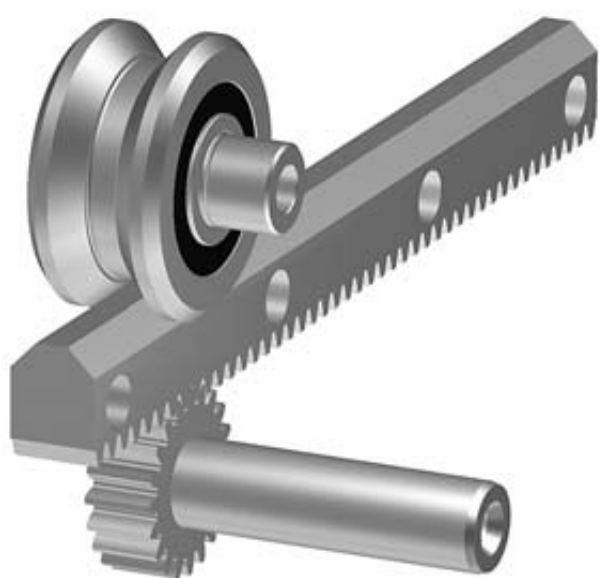
The service life of the system will be reduced by excessive tensioning. With too little tension the rollers will not run, or will wear due to the poor meshing.

◆ Friction

The roller guides have a very low coefficient of friction. This value is slightly increased by the fitting of wipers to the rails.

◆ Corrosion resistance

Elements of the series with the suffix ..R are available in stainless steel.(X46Cr13, DIN1.4034, AISI420)



TRACK ROLLER FOR VEE BARS

LR... AND FR...

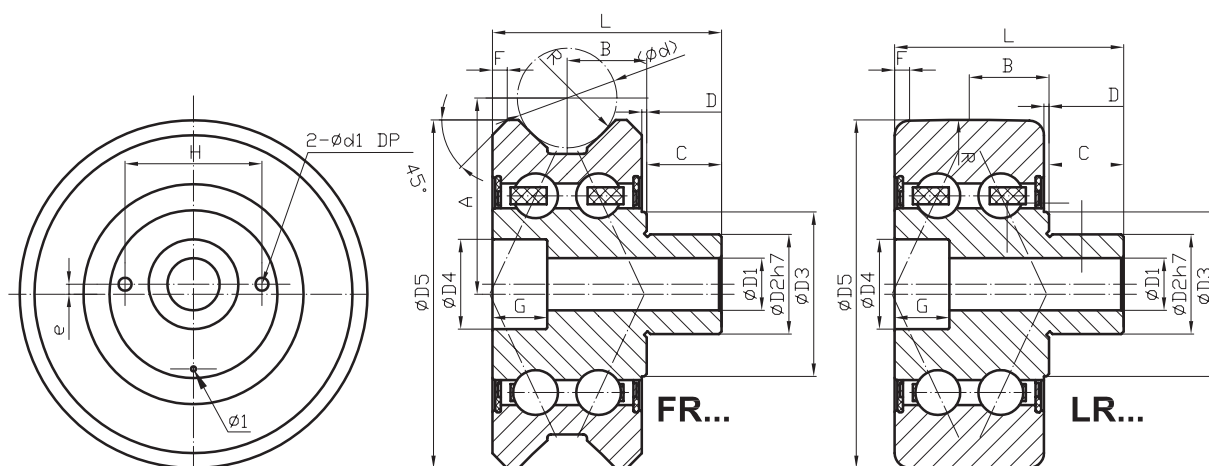


FR... eccentric, " V " profile O.D.

LR... eccentric, crowned O.D. (R=500mm)

FR...Z concentric, " V " profile O.D.

LR...Z concentric, crowned O.D. (R=500mm)



	Roller No.	Dimensions (mm)																		Load Ratings	
		A	B	C	D	e	F	G	H	L	D1	D2	D3	D4	D5	d	d1	DP	R	Cr	Cor
																				(KN)	(KN)
ROLLER FOR VEE BARS	FR10	22.62	10.5	10	1	1	2	6.8	15.4	30	6.4	15	20.8	11	42	9	2.6	3	200	4.9	5.3
	FR10Z	22.62	10.5	10	1	0	2	6.8	15.4	30	6.4	15	20.8	11	42	9	2.6	3	200	4.9	5.3
	FR15	29.65	12	12	1	1	2	9	18.5	35	8.4	15	23.8	14	53	14	2.6	3	250	7.2	6.8
	FR15Z	29.65	12	12	1	0	2	9	18.5	35	8.4	15	23.8	14	53	14	2.6	3	250	7.2	6.8
	FR20	36.2	16	15	1	1	3	11	22.5	46	10.5	20	27.7	18	63	20	2.6	3	300	10.2	9.5
	FR20Z	36.2	16	15	1	0	3	11	22.5	46	10.5	20	27.7	18	63	20	2.6	3	300	10.2	9.5
	FR22	39.4	16	15	1	2	3	11	27.5	46	10.5	20	33	18	70	20	2.6	3	300	24.6	16.2
	FR22Z	39.4	16	15	1	0	3	11	27.5	46	10.5	20	33	18	70	20	2.6	3	300	24.6	16.2
	FR25	43.42	20.5	20	1	1	3.5	13	27.5	60	13	25	35.6	20	77	24	4.1	4.5	360	16.3	15
	FR25Z	43.42	20.5	20	1	0	3.5	13	27.5	60	13	25	35.6	20	77	24	4.1	4.5	360	16.3	15
	FR35	61.25	30	25	1	1	7.5	17.5	42	84	17	40	56.9	30	107	35	4.1	4.5	500	28.4	32
	FR35Z	61.25	30	25	1	0	7.5	17.5	42	84	17	40	56.9	30	107	35	4.1	4.5	500	28.4	32
PLAIN ROLLER	LR10		10.5	10	1	1	2	6.8	15.4	30	6.4	15	20.8	11	47		2.6	3	500	4.9	5.3
	LR10Z		10.5	10	1	0	2	6.8	15.4	30	6.4	15	20.8	11	47		2.6	3	500	4.9	5.3
	LR15		12	12	1	1	2	9	18.5	35	8.4	15	23.8	14	47		2.6	3	500	7.2	6.8
	LR15Z		12	12	1	0	2	9	18.5	35	8.4	15	23.8	14	47		2.6	3	500	7.2	6.8
	LR20		16	15	1	1	3	11	22.5	46	10.5	20	27.7	18	72		2.6	3	500	10.2	9.5
	LR20Z		16	15	1	0	3	11	22.5	46	10.5	20	27.7	18	72		2.6	3	500	10.2	9.5
	LR25		20.5	20	1	1	3.5	13	27.5	60	13	25	35.6	20	85		4.1	4.5	500	16.3	15
	LR25Z		20.5	20	1	0	3.5	13	27.5	60	13	25	35.6	20	85		4.1	4.5	500	16.3	15
	LR35		30	25	1	1	7.5	17.5	42	84	17	40	56.9	30	100		4.1	4.5	500	28.4	32
	LR35Z		30	25	1	0	7.5	17.5	42	84	17	40	56.9	30	100		4.1	4.5	500	28.4	32