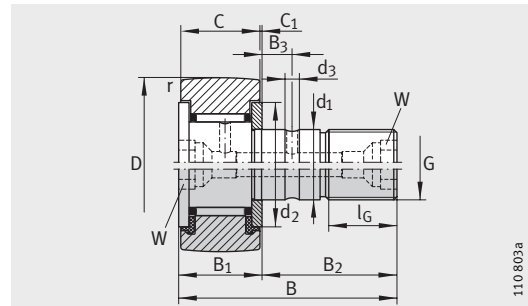


Needle roller stud type track rollers

With axial guidance



from D = 22 mm KR (R = 500 mm)
KR..-PP (optimised INA profile)

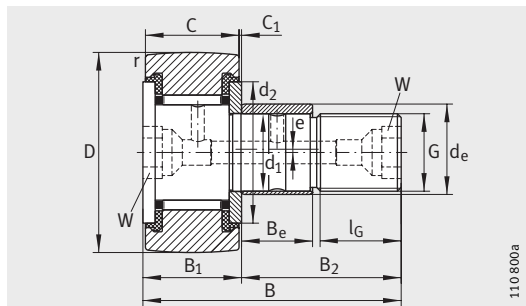
Dimension table · Dimensions in mm														
Designation	Mass m ≈g	With eccentric collar Designation	Mass m ≈g	Dimensions										
				D	d ₁ h7	B	B ₁ max.	B ₂	B ₃	C	C ₁	r min.	d ₂	d ₃
KR16 ³⁾	19	—	—	16	6	28	12,2	16	—	11	0,6	0,15	12,5	—
KR16-PP ³⁾	18	KRE16-PP ³⁾	20	16	6	28	12,2	16	—	11	0,6	0,15	12,5	—
KR16-SK-PP ⁴⁾	19	—	—	16	6	28	12,2	16	—	11	0,6	0,15	12,5	—
KRV16-PP ³⁾	19	—	—	16	6	28	12,2	16	—	11	0,6	0,15	12,5	—
KR19 ³⁾	29	—	—	19	8	32	12,2	20	—	11	0,6	0,15	15	—
KR19-PP ³⁾	29	KRE19-PP ³⁾	32	19	8	32	12,2	20	—	11	0,6	0,15	15	—
KR19-SK-PP ⁴⁾	29	—	—	19	8	32	12,2	20	—	11	0,6	0,15	15	—
KRV19-PP ³⁾	31	—	—	19	8	32	12,2	20	—	11	0,6	0,15	15	—
KR22	45	—	—	22	10	36	13,2	23	—	12	0,6	0,3	17,5	—
KR22-PP	43	KRE22-PP	47	22	10	36	13,2	23	—	12	0,6	0,3	17,5	—
KRV22-PP	45	—	—	22	10	36	13,2	23	—	12	0,6	0,3	17,5	—
KR26	59	—	—	26	10	36	13,2	23	—	12	0,6	0,3	17,5	—
KR26-PP	57	KRE26-PP	62	26	10	36	13,2	23	—	12	0,6	0,3	17,5	—
KRV26-PP	59	—	—	26	10	36	13,2	23	—	12	0,6	0,3	17,5	—
KR30	92	—	—	30	12	40	15,2	25	6	14	0,6	0,6	23	3
KR30-PP	88	KRE30-PP	93	30	12	40	15,2	25	6	14	0,6	0,6	23	3
KRV30-PP	91	—	—	30	12	40	15,2	25	6	14	0,6	0,6	23	3
KR32	103	—	—	32	12	40	15,2	25	6	14	0,6	0,6	23	3
KR32-PP	98	KRE32-PP	104	32	12	40	15,2	25	6	14	0,6	0,6	23	3
KRV32-PP	101	—	—	32	12	40	15,2	25	6	14	0,6	0,6	23	3

1) Drive fit lubrication nipples are supplied loose. Only these lubrication nipples should be used.

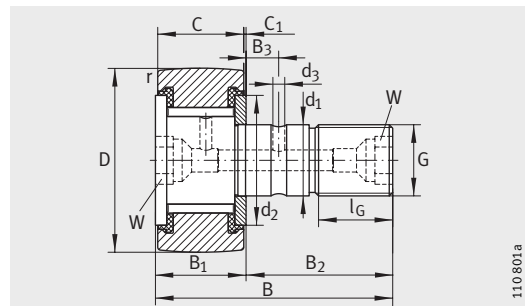
2) Nominal dimension for hexagonal socket.

3) Relubrication hole only on the flange-side end face with slot for countertensioning during fitting.

4) Hexagonal socket only on the flange-side end face. No relubrication facility.

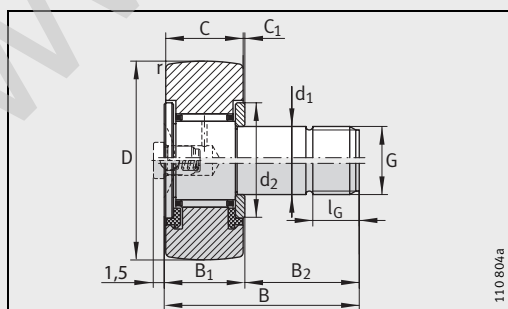
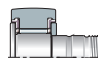


from D = 22 mm KRE..-PP (optimised INA profile)

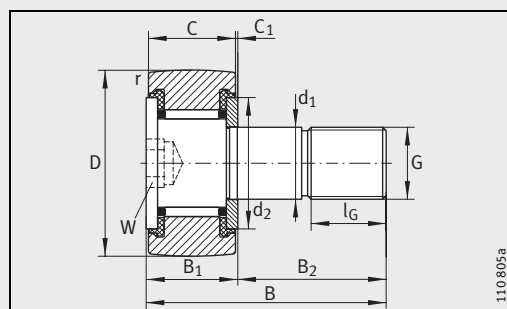


from D = 22 mm KRV..-PP (optimised INA profile)

						Drive fit lubrication nipple ¹⁾	Nut tightening torque M _A Nm	Basic load ratings		Fatigue limit load C _{urw} N	Speed n _{D G} min ⁻¹
G	l _G	W ²⁾	Eccentric collar					dyn. C _{r w} N	stat. C _{0 r w} N		
			d _e h9	B _e	e						
M6(X1)	8	—	—	—	—	NIPA1	3	3 150	3 300	415	14 000
M6(X1)	8	—	9	7	0,5	NIPA1	3	3 150	3 300	415	14 000
M6(X1)	8	4	—	—	—	—	3	3 150	3 300	415	14 000
M6(X1)	8	—	—	—	—	NIPA1	3	4 900	6 500	860	3 800
M8(X1,25)	10	—	—	—	—	NIPA1	8	3 500	3 900	485	11 000
M8(X1,25)	10	—	11	9	0,5	NIPA1	8	3 500	3 900	485	11 000
M8(X1,25)	10	4	—	—	—	—	8	3 500	3 900	485	11 000
M8(X1,25)	10	—	—	—	—	NIPA1	8	5 400	7 900	1 040	3 100
M10X1	12	5	—	—	—	NIPA1X4,5	15	4 500	5 200	650	8 000
M10X1	12	5	13	10	0,5	NIPA1X4,5	15	4 500	5 200	650	8 000
M10X1	12	5	—	—	—	NIPA1X4,5	15	6 200	9 100	1 110	2 600
M10X1	12	5	—	—	—	NIPA1X4,5	15	5 100	6 200	770	8 000
M10X1	12	5	13	10	0,5	NIPA1X4,5	15	5 100	6 200	770	8 000
M10X1	12	5	—	—	—	NIPA1X4,5	15	7 300	11 300	1 380	2 600
M12X1,5	13	6	—	—	—	NIPA1X4,5	22	6 800	8 400	1 070	5 500
M12X1,5	13	6	15	11	0,5	NIPA1X4,5	22	6 800	8 400	1 070	5 500
M12X1,5	13	6	—	—	—	NIPA1X4,5	22	9 500	14 600	1 840	2 100
M12X1,5	13	6	—	—	—	NIPA1X4,5	22	7 100	8 900	1 140	5 500
M12X1,5	13	6	15	11	0,5	NIPA1X4,5	22	7 100	8 900	1 140	5 500
M12X1,5	13	6	—	—	—	NIPA1X4,5	22	10 000	15 800	1 990	2 100



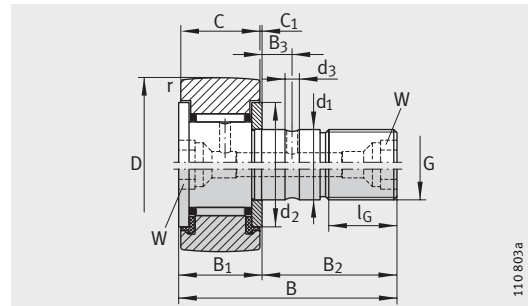
KR16, KR19
KR16-PP, KR19-PP (KRV16-PP, KRV19-PP)



KR16-SK-PP, KR19-SK-PP

Needle roller stud type track rollers

With axial guidance



KR (R = 500 mm)
KR...PP (optimised INA profile)

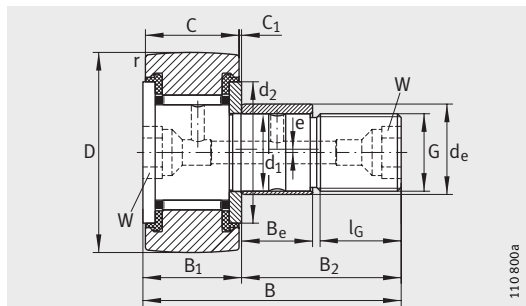
Dimension table (continued) · Dimensions in mm

Designation	Mass m ≈g	With eccentric collar Designation	Mass m ≈g	Dimensions										
				D	d ₁ h7	B	B ₁ max.	B ₂	B ₃	C	C ₁	r min.	d ₂	d ₃
KR35	173	–	–	35	16	52	19,6	32,5	8	18	0,8	0,6	27,6	3
KR35-PP	164	KRE35-PP	177	35	16	52	19,6	32,5	8	18	0,8	0,6	27,6	3
KRV35-PP	166	–	–	35	16	52	19,6	32,5	8	18	0,8	0,6	27,6	3
KR40	247	–	–	40	18	58	21,6	36,5	8	20	0,8	1	31,5	3
KR40-PP	239	KRE40-PP	255	40	18	58	21,6	36,5	8	20	0,8	1	31,5	3
KRV40-PP	247	–	–	40	18	58	21,6	36,5	8	20	0,8	1	31,5	3
KR47-PP	381	KRE47-PP	400	47	20	66	25,6	40,5	9	24	0,8	1	36,5	4
KRV47-PP	390	–	–	47	20	66	25,6	40,5	9	24	0,8	1	36,5	4
KR52-PP	454	KRE52-PP	473	52	20	66	25,6	40,5	9	24	0,8	1	36,5	4
KRV52-PP	463	–	–	52	20	66	25,6	40,5	9	24	0,8	1	36,5	4
KR62-PP	770	KRE62-PP	798	62	24	80	30,6	49,5	11	29	0,8	1	44	4
KRV62-PP	787	–	–	62	24	80	30,6	49,5	11	29	0,8	1	44	4
KR72-PP	1 010	KRE72-PP	1 038	72	24	80	30,6	49,5	11	29	0,8	1,1	44	4
KRV72-PP	1 027	–	–	72	24	80	30,6	49,5	11	29	0,8	1,1	44	4
KR80-PP	1 608	KRE80-PP	1 665	80	30	100	37	63	15	35	1	1,1	53	4
KRV80-PP	1 636	–	–	80	30	100	37	63	15	35	1	1,1	53	4
KR90-PP	1 975	KRE90-PP	2 032	90	30	100	37	63	15	35	1	1,1	53	4
KRV90-PP	2 003	–	–	90	30	100	37	63	15	35	1	1,1	53	4

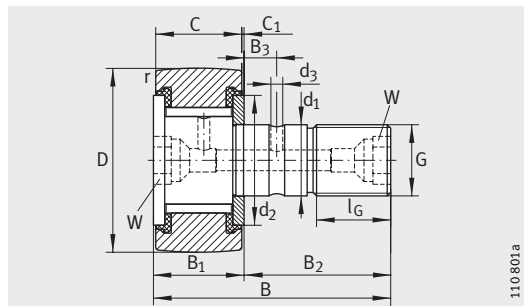
1) Drive fit lubrication nipples are supplied loose. Only these lubrication nipples should be used.

2) Nominal dimension for hexagonal socket.

Suitable central lubrication adapter for connection to a central lubrication system, see page 843.



KRE..-PP (optimised INA profile)



KRV..-PP (optimised INA profile)

						Drive fit lubrication nipple ¹⁾	Nut tightening torque	Basic load ratings		Fatigue limit load	Speed
G	l _G	W ²⁾	Eccentric collar				M _A Nm	dyn.	stat.	C _{urw} N	n _{D G} min ⁻¹
			d _e h9	B _e	e			C _{rw} N	C _{0rw} N		
M16X1,5	17	8	–	–	–	NIPA2X7,5	58	9 800	14 100	1 700	3 600
M16X1,5	17	8	20	14	1	NIPA2X7,5	58	9 800	14 100	1 700	3 600
M16X1,5	17	8	–	–	–	NIPA2X7,5	58	12 800	23 000	2 900	1 600
M18X1,5	19	8	–	–	–	NIPA2X7,5	87	10 900	15 500	1 850	2 900
M18X1,5	19	8	22	16	1	NIPA2X7,5	87	10 900	15 500	1 850	2 900
M18X1,5	19	8	–	–	–	NIPA2X7,5	87	14 800	26 500	3 050	1 400
M20X1,5	21	10	24	18	1	NIPA2X7,5	120	15 500	25 500	3 000	2 400
M20X1,5	21	10	–	–	–	NIPA2X7,5	120	20 600	42 000	5 200	1 300
M20X1,5	21	10	24	18	1	NIPA2X7,5	120	16 700	29 000	3 400	2 400
M20X1,5	21	10	–	–	–	NIPA2X7,5	120	22 600	48 000	5 900	1 300
M24X1,5	25	14	28	22	1	NIPA3X9,5	220	26 500	48 000	6 100	1 900
M24X1,5	25	14	–	–	–	NIPA3X9,5	220	34 000	75 000	9 800	1 100
M24X1,5	25	14	28	22	1	NIPA3X9,5	220	28 000	53 000	6 700	1 900
M24X1,5	25	14	–	–	–	NIPA3X9,5	220	36 500	85 000	11 100	1 100
M30X1,5	32	14	35	29	1,5	NIPA3X9,5	450	39 000	77 000	9 900	1 300
M30X1,5	32	14	–	–	–	NIPA3X9,5	450	49 500	117 000	15 300	850
M30X1,5	32	14	35	29	1,5	NIPA3X9,5	450	41 000	83 000	10 600	1 300
M30X1,5	32	14	–	–	–	NIPA3X9,5	450	52 000	129 000	16 900	850

