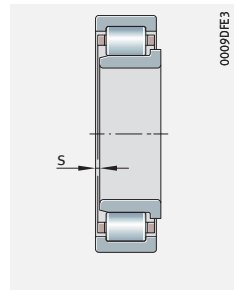
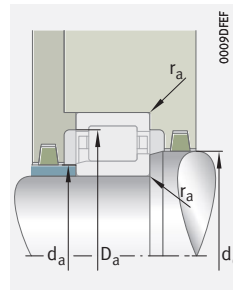


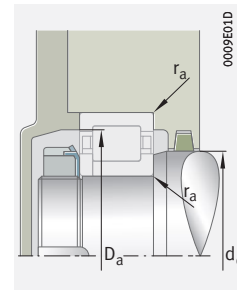
NUP
Locating bearing



Axial displacement "s"
for NJ



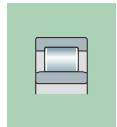
Mounting dimensions
for NJ



Mounting dimensions
for NUP

Dimensions											Mounting dimensions				
d	r	r ₁	s	E	F	D ₁	d ₁	B ₁	B ₂	B ₃	d _a		d _c	D _a	r _a
	min.	min.				≈	≈				min. ¹⁾	max.	min.	max. ¹⁾	max.
45	1,1	1,1	1,9	76,5	54,5	73,3	59	–	–	–	52	54	61	78	1
	1,1	1,1	–	76,5	54,5	73,3	59	5	8,5	–	52	–	61	78	1
	1,1	1,1	–	76,5	54,5	73,3	59	–	–	3,5	52	–	61	78	1
	1,1	1,1	1,5	76,5	54,5	73,3	59	–	–	–	52	54	61	78	1
	1,1	1,1	–	76,5	54,5	73,3	59	5	9	–	52	–	61	78	1
	1,1	1,1	–	76,5	54,5	73,3	59	–	–	4	52	–	61	78	1
	1,5	1,5	1	88,5	58,5	84,1	64,4	–	–	–	54	57	66	91	1,5
	1,5	1,5	–	88,5	58,5	84,1	64,4	7	11,5	–	54	–	66	91	1,5
	1,5	1,5	–	88,5	58,5	84,1	64,4	–	–	4,5	54	–	66	91	1,5
	1,5	1,5	2,5	88,5	58,5	84,1	64,4	–	–	–	54	57	66	91	1,5
	1,5	1,5	–	88,5	58,5	84,1	64,4	7	13	–	54	–	66	91	1,5
	1,5	1,5	–	88,5	58,5	84,1	64,4	–	–	6	54	–	66	91	1,5
	2	2	2,9	100,5	64,5	94,6	71,6	–	–	–	58	63	74	107	2
	2	2	–	100,5	64,5	94,6	71,6	8	13,5	–	58	–	74	107	2
50	1,1	1,1	1,3	81,5	59,5	78,3	64	–	–	–	57	58	67	83	1
	1,1	1,1	–	81,5	59,5	78,3	64	5	9	–	57	–	67	83	1
	1,1	1,1	–	81,5	59,5	78,3	64	–	–	4	57	–	67	83	1
	1,1	1,1	1,3	81,5	59,5	78,3	64	–	–	–	57	58	67	83	1
	1,1	1,1	–	81,5	59,5	78,3	64	5	9	–	57	–	67	83	1
	1,1	1,1	–	81,5	59,5	78,3	64	–	–	4	57	–	67	83	1
	2	2	1,7	97	65	92,5	71,3	–	–	–	61	63	73	99	2
	2	2	–	97	65	92,5	71,3	8	13	–	61	–	73	99	2
	2	2	–	97	65	92,5	71,3	–	–	5	61	–	73	99	2
	2	2	4,2	97	65	92,5	71,3	–	–	–	61	63	73	99	2
	2	2	–	97	65	92,5	71,3	8	14,5	–	61	–	73	99	2
	2,1	2,1	3	110,8	70,8	104,3	78,6	–	–	–	64	69	81	116	2
	2,1	2,1	–	110,8	70,8	104,3	78,6	9	14,5	–	64	–	81	116	2

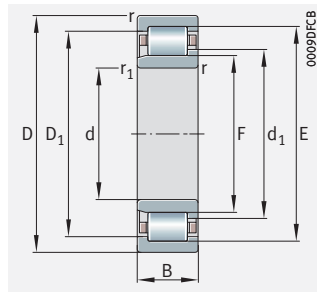
¹⁾ Under axial load, observe the dimensions D₁ and d₁.



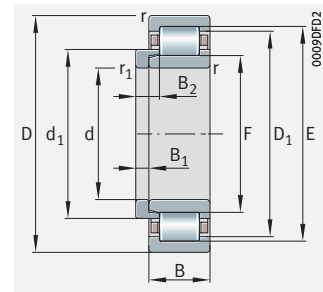


Cylindrical roller bearings with cage

Semi-locating bearings,
locating bearings



NJ
Semi-locating bearing

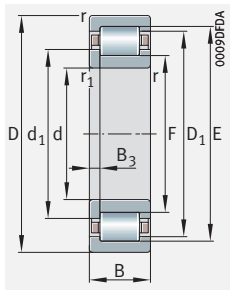


NJ and HJ
Locating bearings

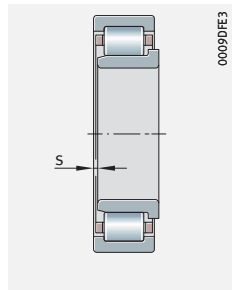
d = 45 – 50 mm

Main dimensions			Basic load ratings		Fatigue limit load	Limiting speed	Speed rating	Mass m		Designation ▶429 1.12 ▶430 1.13 X-life ▶419	
d	D	B	dyn. C _r N	stat. C _{0r} N	C _{ur} N	n _G min ⁻¹	n _{gr} min ⁻¹	Bear- ing ≈ kg	L-section ring ≈ kg	Bearing	L-section ring
45	85	19	72 000	63 000	10 500	10 200	7 000	0,445	–	NJ209-E-XL-TVP2	–
	85	19	72 000	63 000	10 500	10 200	7 000	0,445	0,054	NJ209-E-XL-TVP2	HJ209-E
	85	19	72 000	63 000	10 500	10 200	7 000	0,457	–	NUP209-E-XL-TVP2	–
	85	23	87 000	82 000	14 100	10 200	5 800	0,544	–	NJ2209-E-XL-TVP2	–
	85	23	87 000	82 000	14 100	10 200	5 800	0,544	0,055	NJ2209-E-XL-TVP2	HJ2209-E
	85	23	87 000	82 000	14 100	10 200	5 800	0,559	–	NUP2209-E-XL-TVP2	–
	100	25	116 000	99 000	17 500	8 500	6 400	0,913	–	NJ309-E-XL-TVP2	–
	100	25	116 000	99 000	17 500	8 500	6 400	0,913	0,109	NJ309-E-XL-TVP2	HJ309-E
	100	25	116 000	99 000	17 600	8 500	6 400	0,937	–	NUP309-E-XL-TVP2	–
	100	36	163 000	154 000	28 500	8 500	5 200	1,33	–	NJ2309-E-XL-TVP2	–
	100	36	163 000	154 000	28 500	8 500	5 200	1,33	0,115	NJ2309-E-XL-TVP2	HJ2309-E
	100	36	163 000	154 000	28 500	8 500	5 200	1,36	–	NUP2309-E-XL-TVP2	–
50	120	29	143 000	119 000	21 700	9 600	5 900	1,9	–	NJ409-XL-M1	–
	120	29	143 000	119 000	21 700	9 600	5 900	1,9	0,181	NJ409-XL-M1	HJ409
	90	20	75 000	69 000	11 300	9 700	6 600	0,503	–	NJ210-E-XL-TVP2	–
	90	20	75 000	69 000	11 300	9 700	6 600	0,503	0,06	NJ210-E-XL-TVP2	HJ210-E
	90	20	75 000	69 000	11 400	9 700	6 600	0,517	–	NUP210-E-XL-TVP2	–
	90	23	92 000	88 000	15 300	9 700	5 300	0,586	–	NJ2210-E-XL-TVP2	–
	90	23	92 000	88 000	15 300	9 700	5 300	0,586	0,06	NJ2210-E-XL-TVP2	HJ210-E
	90	23	92 000	88 000	15 300	9 700	5 300	0,597	–	NUP2210-E-XL-TVP2	–
	110	27	131 000	114 000	20 400	7 800	6 000	1,19	–	NJ310-E-XL-TVP2	–
	110	27	131 000	114 000	20 400	7 800	6 000	1,19	0,149	NJ310-E-XL-TVP2	HJ310-E
	110	27	131 000	114 000	20 500	7 800	6 000	1,21	–	NUP310-E-XL-TVP2	–
	110	40	193 000	187 000	35 500	7 800	4 900	1,77	–	NJ2310-E-XL-TVP2	–
	110	40	193 000	187 000	35 500	7 800	4 900	1,77	0,156	NJ2310-E-XL-TVP2	HJ2310-E
	110	40	193 000	187 000	35 500	7 800	4 900	1,82	–	NUP2310-E-XL-TVP2	–
	130	31	175 000	148 000	27 500	8 600	5 300	2,36	–	NJ410-XL-M1	–
	130	31	175 000	148 000	27 500	8 600	5 300	2,36	0,238	NJ410-XL-M1	HJ410

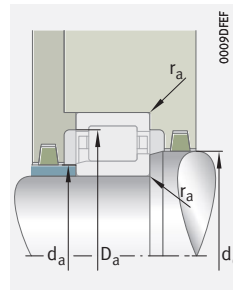
medias <https://www.schaeffler.de/std/1F9A>



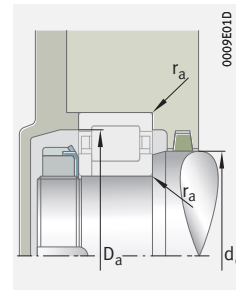
NUP
Locating bearing



Axial displacement "s"
for NJ



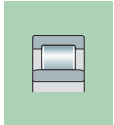
Mounting dimensions
for NJ



Mounting dimensions
for NUP

Dimensions											Mounting dimensions				
d	r	r ₁	s	E	F	D ₁	d ₁	B ₁	B ₂	B ₃	d _a		d _c	D _a	r _a
	min.	min.				≈	≈				min. ¹⁾	max.	min.	max. ¹⁾	max.
35	1,1	0,6	0,7	64	44	61	48	–	–	–	39	43	50	65	1
	1,1	0,6	–	64	44	61	48	4	7	–	39	–	50	65	1
	1,1	0,6	–	64	44	61	48	–	–	3	39	–	50	65	1
	1,1	0,6	2,2	64	44	61	48	–	–	–	39	43	50	65	1
	1,1	0,6	–	64	44	61	48	4	8,5	–	39	–	50	65	1
	1,1	0,6	–	64	44	61	48	–	–	4,5	39	–	50	65	1
	1,5	1,1	0,6	70,2	46,2	66,6	51	–	–	–	42	45	53	71	1,5
	1,5	1,1	–	70,2	46,2	66,6	51	6	9,5	–	42	–	53	71	1,5
	1,5	1,1	–	70,2	46,2	66,6	51	–	–	3,5	42	–	53	71	1,5
	1,5	1,1	2,1	70,2	46,2	66,6	51	–	–	–	42	45	53	71	1,5
	1,5	1,1	–	70,2	46,2	66,6	51	6	11	–	42	–	53	71	1,5
	1,5	1,5	–	70,2	46,2	66,6	51	–	–	5	42	–	53	71	1,5
	1,5	1,5	2,6	83	53	78,2	58,8	–	–	–	46	52	61	89	1,5
	1,5	1,5	–	83	53	78,2	58,8	8	13	–	46	–	61	89	1,5
40	1,1	1,1	1	71,5	49,5	68,3	54	–	–	–	47	49	56	73	1
	1,1	1,1	–	71,5	49,5	68,3	54	5	8,5	–	47	–	56	73	1
	1,1	1,1	–	71,5	49,5	68,3	54	–	–	3,5	47	–	56	73	1
	1,1	1,1	1,5	71,5	49,5	68,3	54	–	–	–	47	49	56	73	1
	1,1	1,1	–	71,5	49,5	68,3	54	5	9	–	47	–	56	73	1
	1,1	1,1	–	71,5	49,5	68,3	54	–	–	4	47	–	56	73	1
	1,5	1,5	1,3	80	52	75,9	57,6	–	–	–	49	51	60	81	1,5
	1,5	1,5	–	80	52	75,9	57,6	7	11	–	49	–	60	81	1,5
	1,5	1,5	–	80	52	75,9	57,6	–	–	4	49	–	60	81	1,5
	1,5	1,5	2,7	80	52	75,9	57,6	–	–	–	49	51	60	81	1,5
	1,5	1,5	–	80	52	75,9	57,6	7	12,5	–	49	–	60	81	1,5
	1,5	1,5	–	80	52	75,9	57,6	–	–	5,5	49	–	60	81	1,5
	2	2	2,8	92	58	86,4	64,6	–	–	–	53	57	67	97	2
	2	2	–	92	58	86,4	64,6	8	13	–	53	–	67	97	2

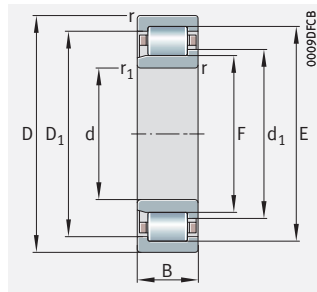
¹⁾ Under axial load, observe the dimensions D₁ and d₁.



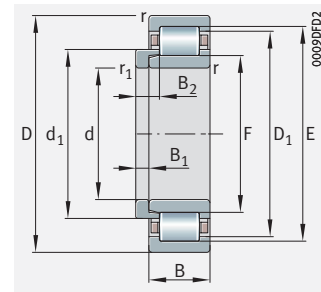


Cylindrical roller bearings with cage

Semi-locating bearings, locating bearings



NJ
Semi-locating bearing

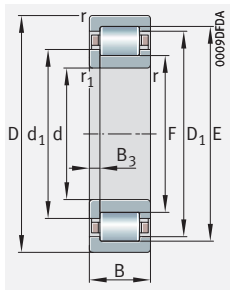


NJ and HJ
Locating bearings

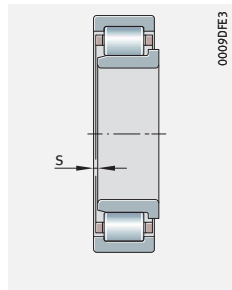
d = 35 – 40 mm

Main dimensions			Basic load ratings		Fatigue limit load	Limiting speed	Speed rating	Mass m		Designation ▶429 1.12 ▶430 1.13 X-life ▶419	
d	D	B	dyn. C _r N	stat. C _{0r} N	C _{ur} N	n _G min ⁻¹	n _{dr} min ⁻¹	Bear- ing ≈ kg	L-section ring ≈ kg	Bearing	L-section ring
35	72	17	59 000	50 000	7 700	12 300	8 100	0,309	–	NJ207-E-XL-TVP2	–
	72	17	59 000	50 000	7 700	12 300	8 100	0,309	0,032	NJ207-E-XL-TVP2	HJ207-E
	72	17	59 000	50 000	7 800	12 300	8 100	0,317	–	NUP207-E-XL-TVP2	–
	72	23	73 000	65 000	10 700	12 300	7 200	0,416	–	NJ2207-E-XL-TVP2	–
	72	23	73 000	65 000	10 700	12 300	7 200	0,416	0,035	NJ2207-E-XL-TVP2	HJ2207-E
	72	23	73 000	65 000	10 700	12 300	7 200	0,427	–	NUP2207-E-XL-TVP2	–
	80	21	76 000	63 000	10 800	10 900	7 900	0,496	–	NJ307-E-XL-TVP2	–
	80	21	76 000	63 000	10 800	10 900	7 900	0,496	0,06	NJ307-E-XL-TVP2	HJ307-E
	80	21	76 000	63 000	10 800	10 900	7 900	0,506	–	NUP307-E-XL-TVP2	–
	80	31	108 000	98 000	17 900	10 900	6 600	0,736	–	NJ2307-E-XL-TVP2	–
	80	31	108 000	98 000	17 900	10 900	6 600	0,736	0,063	NJ2307-E-XL-TVP2	HJ2307-E
	80	31	108 000	98 000	17 900	10 900	6 600	0,751	–	NUP2307-E-XL-TVP2	–
40	100	25	103 000	83 000	14 500	11 800	7 000	1,16	–	NJ407-XL-M1	–
	100	25	103 000	83 000	14 500	11 800	7 000	1,16	0,127	NJ407-XL-M1	HJ407
	80	18	63 000	53 000	8 500	10 900	7 500	0,389	–	NJ208-E-XL-TVP2	–
	80	18	63 000	53 000	8 500	10 900	7 500	0,389	0,049	NJ208-E-XL-TVP2	HJ208-E
	80	18	63 000	53 000	8 500	10 900	7 500	0,399	–	NUP208-E-XL-TVP2	–
	80	23	83 000	75 000	12 900	10 900	6 300	0,504	–	NJ2208-E-XL-TVP2	–
	80	23	83 000	75 000	12 900	10 900	6 300	0,504	0,05	NJ2208-E-XL-TVP2	HJ2208-E
	80	23	83 000	75 000	12 900	10 900	6 300	0,518	–	NUP2208-E-XL-TVP2	–
	90	23	96 000	79 000	13 800	9 500	7 100	0,674	–	NJ308-E-XL-TVP2	–
	90	23	96 000	79 000	13 800	9 500	7 100	0,674	0,087	NJ308-E-XL-TVP2	HJ308-E
	90	23	96 000	79 000	13 900	9 500	7 100	0,688	–	NUP308-E-XL-TVP2	–
	90	33	132 000	119 000	21 900	9 500	5 800	0,978	–	NJ2308-E-XL-TVP2	–
	90	33	132 000	119 000	21 900	9 500	5 800	0,978	0,091	NJ2308-E-XL-TVP2	HJ2308-E
	90	33	132 000	119 000	21 900	9 500	5 800	0,999	–	NUP2308-E-XL-TVP2	–
	110	27	119 000	95 000	17 100	10 500	6 500	1,5	–	NJ408-XL-M1	–
	110	27	119 000	95 000	17 100	10 500	6 500	1,5	0,148	NJ408-XL-M1	HJ408

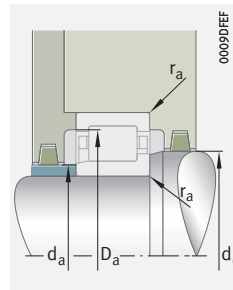
medias <https://www.schaeffler.de/std/1F9A>



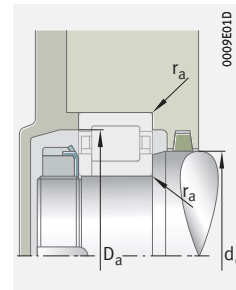
NUP
Locating bearing



Axial displacement "s"
for NJ



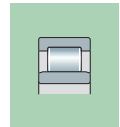
Mounting dimensions
for NJ



Mounting dimensions
for NUP

Dimensions											Mounting dimensions				
d	r	r ₁	s	E	F	D ₁	d ₁	B ₁	B ₂	B ₃	d _a		d _c	D _a	r _a
	min.	min.				≈	≈				min. ¹⁾	max.	min.	max. ¹⁾	max.
25	1	0,6	1,2	46,5	31,5	43,8	34,7	–	–	–	29	31	37	46	1
	1	0,6	–	46,5	31,5	43,8	34,7	3	6	–	29	–	37	46	1
	1	0,6	–	46,5	31,5	43,8	34,7	–	–	3	29	–	37	46	1
	1	0,6	1,7	46,5	31,5	43,8	34,7	–	–	–	29	31	37	46	1
	1	0,6	–	46,5	31,5	43,8	34,7	3	6,5	–	29	–	37	46	1
	1	0,6	–	46,5	31,5	43,8	34,7	–	–	3,5	29	–	37	46	1
	1,1	1,1	1,5	54	34	50,7	38,1	–	–	–	32	33	40	55	1
	1,1	1,1	–	54	34	50,7	38,1	4	7	–	32	–	40	55	1
	1,1	1,1	–	54	34	50,7	38,1	–	–	3	32	–	40	55	1
	1,1	1,1	1,9	54	34	50,7	38,1	–	–	–	32	33	40	55	1
	1,1	1,1	–	54	34	50,7	38,1	4	8	–	32	–	40	55	1
	1,1	1,1	–	54	34	50,7	38,1	–	–	4	32	–	40	55	1
30	1	0,6	1,5	55,5	37,5	52,5	41,1	–	–	–	34	37	44	56	1
	1	0,6	–	55,5	37,5	52,5	41,1	4	7	–	34	–	44	56	1
	1	0,6	–	55,5	37,5	52,5	41,1	–	–	3	34	–	44	56	1
	1	0,6	1,6	55,5	37,5	52,5	41,3	–	–	–	34	37	44	56	1
	1	0,6	–	55,5	37,5	52,5	41,3	4	7,5	–	34	–	44	56	1
	1	0,6	–	55,5	37,5	52,5	41,3	–	–	3,5	34	–	44	56	1
	1,1	1,1	1,2	62,5	40,5	59,2	45	–	–	–	37	40	48	65	1
	1,1	1,1	–	62,5	40,5	59,2	45	5	8,5	–	37	–	48	65	1
	1,1	1,1	–	62,5	40,5	59,2	45	–	–	3,5	37	–	48	65	1
	1,1	1,1	2,2	62,5	40,5	59,2	45	–	–	–	37	40	48	65	1
	1,1	1,1	–	62,5	40,5	59,2	45	5	9,5	–	37	–	48	65	1
	1,1	1,1	–	62,5	40,5	59,2	45	–	–	4,5	37	–	48	65	1
	1,5	1,5	2,3	73	45	68,4	50,3	–	–	–	41	44	52	79	1,5
	1,5	1,5	–	73	45	68,4	50,3	7	11,5	–	41	–	52	79	1,5

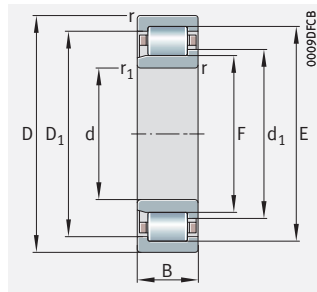
¹⁾ Under axial load, observe the dimensions D₁ and d₁.



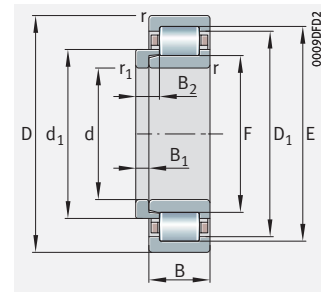


Cylindrical roller bearings with cage

Semi-locating bearings,
locating bearings



NJ
Semi-locating bearing



NJ and HJ
Locating bearings

d = 25 – 30 mm

Main dimensions			Basic load ratings		Fatigue limit load	Limiting speed	Speed rating	Mass m		Designation ➤ 429 1.12 ➤ 430 1.13 X-life ➤ 419	
d	D	B	dyn. C _r N	stat. C _{0r} N	C _{ur} N	n _G min ⁻¹	n _{Dr} min ⁻¹	Bear- ing ≈ kg	L-section ring ≈ kg	Bearing	L-section ring
25	52	15	34 500	27 500	4 450	17 200	11 600	0,14	–	NJ205-E-XL-TVP2	–
	52	15	34 500	27 500	4 450	17 200	11 600	0,14	0,014	NJ205-E-XL-TVP2	HJ205-E
	52	15	34 500	27 500	4 450	17 200	11 600	0,145	–	NUP205-E-XL-TVP2	–
	52	18	41 500	34 500	5 800	17 200	9 600	0,17	–	NJ2205-E-XL-TVP2	–
	52	18	41 500	34 500	5 800	17 200	9 600	0,17	0,015	NJ2205-E-XL-TVP2	HJ2205-E
	52	18	41 500	34 500	5 800	17 200	9 600	0,174	–	NUP2205-E-XL-TVP2	–
	62	17	49 000	37 500	5 700	14 400	10 100	0,25	–	NJ305-E-XL-TVP2	–
	62	17	49 000	37 500	5 700	14 400	10 100	0,25	0,025	NJ305-E-XL-TVP2	HJ305-E
	62	17	49 000	37 500	5 700	14 400	10 100	0,256	–	NUP305-E-XL-TVP2	–
	62	24	66 000	54 000	9 300	14 400	8 300	0,356	–	NJ2305-E-XL-TVP2	–
	62	24	66 000	54 000	9 300	14 400	8 300	0,356	0,027	NJ2305-E-XL-TVP2	HJ2305-E
	62	24	67 000	56 000	9 300	14 400	8 200	0,364	–	NUP2305-E-XL-TVP2	–
30	62	16	46 000	37 500	5 500	14 200	9 600	0,213	–	NJ206-E-XL-TVP2	–
	62	16	46 000	37 500	5 500	14 200	9 600	0,213	0,024	NJ206-E-XL-TVP2	HJ206-E
	62	16	46 000	37 500	5 500	14 200	9 600	0,219	–	NUP206-E-XL-TVP2	–
	62	20	58 000	50 000	7 900	14 200	8 000	0,261	–	NJ2206-E-XL-TVP2	–
	62	20	58 000	50 000	7 900	14 200	8 000	0,261	0,025	NJ2206-E-XL-TVP2	HJ2206-E
	62	20	58 000	50 000	8 000	14 200	8 000	0,268	–	NUP2206-E-XL-TVP2	–
	72	19	61 000	48 000	7 800	12 400	8 900	0,376	–	NJ306-E-XL-TVP2	–
	72	19	61 000	48 000	7 800	12 400	8 900	0,376	0,042	NJ306-E-XL-TVP2	HJ306-E
	72	19	61 000	48 000	7 900	12 400	8 900	0,385	–	NUP306-E-XL-TVP2	–
	72	27	86 000	75 000	13 300	12 400	7 200	0,54	–	NJ2306-E-XL-TVP2	–
	72	27	86 000	75 000	13 300	12 400	7 200	0,54	0,044	NJ2306-E-XL-TVP2	HJ2306-E
	72	27	86 000	75 000	13 300	12 400	7 200	0,551	–	NUP2306-E-XL-TVP2	–
	90	23	84 000	65 000	11 200	13 400	8 100	0,872	–	NJ406-XL-M1	–
	90	23	84 000	65 000	11 200	13 400	8 100	0,872	0,082	NJ406-XL-M1	HJ406

medias <https://www.schaeffler.de/std/1F9A>