

Welcome to where precision is.



Large Ball Screws
Diameter 16 - 125 mm

LARGE BALL SCREWS DIAMETER 16 - 125 MM

This section includes nuts with standard dimensions per ISO 3408 / DIN 69051. In most cases, there is a choice of three different flange shapes (full round, single flat, or double flat) and different number of ball circles and load capacities.

The majority of these nuts is available either in single nut execution with 4-point contact, double nut execution with 2-point contact, or advanced **HIGH ETA⁺** execution, which you see on the double nut pages. Technical data for **HIGH ETA⁺** ball screws are shown in parenthesis. Some sizes are no longer available as conventional double nuts. In such cases, the page shows only data for **HIGH ETA⁺** ball screws

Steinmeyer produces ball screws for machine tool and similar use with custom shafts only. For a quote, we just need a drawing or sketch that sufficiently defines the shaft.

The nut can be a standard one shown on the following pages, or custom. Even for the custom version, you may obtain useful information from the listing of technical data, since load capacities, rigidity or friction torque will be the same as in the corresponding standard version. Of course we are also prepared to assist you in selecting a nut that best meets your needs, recommend the right preload setting or provide minimum nut dimensions to yield a given life expectancy of the unit.

TECHNICAL TIP

Steinmeyer ball screws with nominal diameters of 16 mm to 125 mm are available as **HIGH ETA⁺** screws, which yields a clear performance advantage for your linear drive. **HIGH ETA⁺** technology significantly reduces friction while, at the same time, the rigidity increases. Life is also improved. **HIGH ETA⁺** ball screws have near zero reversing error and may be used with much higher servo loop gain.

The nuts of **HIGH ETA⁺** ball screws are often somewhat shorter than the double nuts shown on the following pages, but for simplicity the difference is not shown. Please inquire if a small reduction in overall nut length is desired.

HIGH ETA⁺ ball screws may be found on the following pages. Technical data are given in parenthesis. When inquiring, please clearly state that you want **HIGH ETA⁺** execution.

Due to the success of **HIGH ETA⁺**, some sizes are no longer available in conventional execution. **HIGH ETA⁺** is a registered trademark of August Steinmeyer GmbH & Co. KG.

HIGH
ETA⁺
PERFORMANCE

Positioning ball screws 16 - 125 mm

NOMINAL DIAMETER 16 – 20 mm

Single nut, 4-point contact
Execution grade P0 – P5



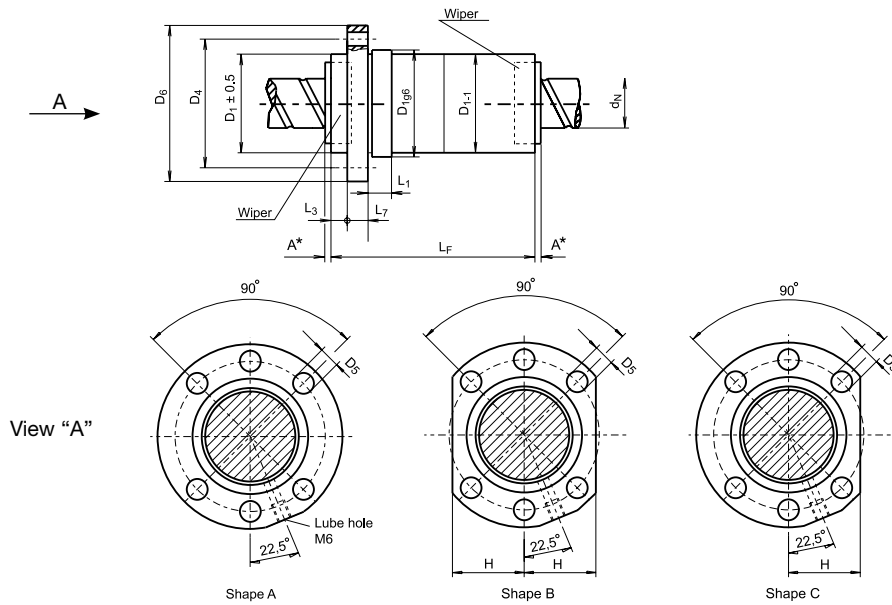
■ **Series 1416:**
DIN standard flanged nut,
ball oversize preload



■ **Series 2426:**
End cap nut with flange, dual start,
ball oversize preload

Technical data								
	Nut type	Lead P [mm]	Nominal diameter d_N [mm]	No. of circuits i	Ball diameter d_w [mm]	Dyn. load rating C_a [kN]	Stat. load rating C_{0a} [kN]	Stiffness* $R_{nu, ar}$ [N/ μ m]
1416	2.16.1,5.3	2	16	3	1.5	2.9	4.9	200
	2.16.1,5.4	2	16	4	1.5	3.8	6.5	260
	4.16.3.3	4	16	3	3.0	8.9	11.4	170
	4.16.3.4	4	16	4	3.0	11.4	15.2	220
	5.16.3,5.3	5	16	3	3.5	10.1	12.0	150
	5.16.3,5.4	5	16	4	3.5	12.9	16.0	200
2426	10.16.3,5.6	10	16	3 + 3	3.5	19.6	27.4	270
	10.16.3,5.8	10	16	4 + 4	3.5	25.6	37.7	360
	10.16.3,5.10	10	16	5 + 5	3.5	31.4	47.8	450
1416	2.20.1,5.2	2	20	2	1.5	2.3	4.1	130
	2.20.1,5.3	2	20	3	1.5	3.2	6.2	190
	2.20.1,5.4	2	20	4	1.5	4.1	8.2	250
	2.20.1,5.5	2	20	5	1.5	5.0	10.3	310
	4.20.3.2	4	20	2	3.0	7.1	9.9	150
	4.20.3.3	4	20	3	3.0	10.1	14.9	220
	4.20.3.4	4	20	4	3.0	13.0	19.9	290
	5.20.3,5.2	5	20	2	3.5	8.6	11.2	140
	5.20.3,5.3	5	20	3	3.5	12.1	16.7	210
	5.20.3,5.4	5	20	4	3.5	15.5	22.3	270
	10.20.3,5.2	10	20	2	3.5	8.5	11.1	110
	10.20.3,5.3	10	20	3	3.5	12.0	16.6	160
2426	10.20.3,5.10	10	20	5 + 5	3.5	36.4	63.0	630
	20.20.3,5.4	20	20	2 + 2	3.5	14.7	22.4	140
	20.20.3,5.6	20	20	3 + 3	3.5	21.7	35.2	220

* Actual stiffness at preload equal to $0.08 \times C_a$



Dimensions

Flanged nut with wipers both ends

	L_F [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA * [mm]
1416	39	28	10	38	5.5	48	10	6	20	0	9
	43	28	10	38	5.5	48	10	6	20	0	9
	49	28	10	38	5.5	48	10	6	20	0	9
	53	28	10	38	5.5	48	10	6	20	0	9
	54	28	10	38	5.5	48	10	6	20	0	9
	59	28	10	38	5.5	48	10	6	20	0	9
2426	44	32	16	42	5.5	52	10	12	20	0	-
	54	32	16	42	5.5	52	10	12	20	0	-
	64	32	16	42	5.5	52	10	12	20	0	-
1416	43	36	10	47	6.6	58	10	6	22	0	9
	48	36	10	47	6.6	58	10	6	22	0	9
	52	36	10	47	6.6	58	10	6	22	0	9
	56	36	10	47	6.6	58	10	6	22	0	9
	43	36	10	47	6.6	58	10	6	22	0	9
	49	36	10	47	6.6	58	10	6	22	0	9
	53	36	10	47	6.6	58	10	6	22	0	9
	48	36	10	47	6.6	58	10	6	22	0	9
	55	36	10	47	6.6	58	10	6	22	0	9
	60	36	10	47	6.6	58	10	6	22	0	9
	62	36	16	47	6.6	58	10	7	22	0	12
	76	36	16	47	6.6	58	10	7	22	0	12
2426	69	36	16	47	6.6	58	10	7	22	0	-
	57	36	16	47	6.6	58	10	7	22	0	-
	77	36	16	47	6.6	58	10	7	22	0	-

LA *: Additional nut length at each end when using combination wipers

NOMINAL DIAMETER 25 mm

Single nut, 4-point contact
Execution grade P0 – P5



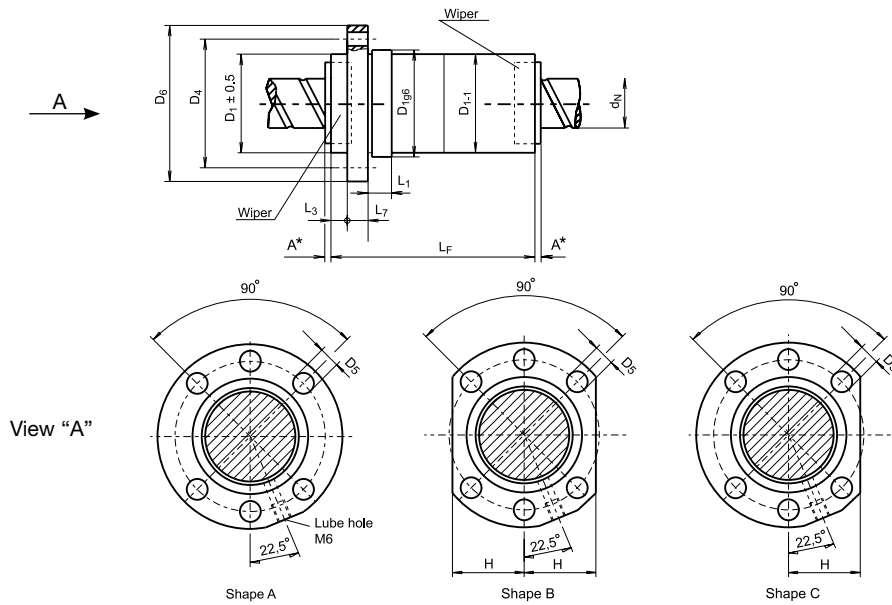
■ **Series 1416:**
DIN standard flanged nut,
ball oversize preload



■ **Series 2426:**
End cap nut with flange, dual start,
ball oversize preload

Technical data								
	Nut type	Lead P [mm]	Nominal diameter d_N [mm]	No. of circuits i	Ball diameter d_w [mm]	Dyn. load rating C_a [kN]	Stat. load rating C_{0a} [kN]	Stiffness* $R_{nu, ar}$ [N/ μ m]
1416	2.25.1,5.3	2	25	3	1.5	3.5	7.8	220
	2.25.1,5.4	2	25	4	1.5	4.5	10.4	290
	2.25.1,5.5	2	25	5	1.5	5.5	13.0	370
	4.25.3.3	4	25	3	3.0	11.4	19.3	270
	4.25.3.4	4	25	4	3.0	14.6	25.7	360
	5.25.3,5.3	5	25	3	3.5	13.7	21.5	260
	5.25.3,5.4	5	25	4	3.5	17.5	28.7	350
	5.25.3,5.5	5	25	5	3.5	21.2	35.9	430
	10.25.3,5.2	10	25	2	3.5	9.6	14.3	150
	10.25.3,5.3	10	25	3	3.5	13.6	21.4	220
	12.28.4.4	12	28	4	4.0	22.1	37.2	310
2426	10.25.3,5.10	10	25	5 + 5	3.5	40.3	78.4	830
	15.25.3,5.4	15	25	2 + 2	3.5	16.8	28.6	270
	15.25.3,5.6	15	25	3 + 3	3.5	24.9	45.0	410
	20.25.3,5.4	20	25	2 + 2	3.5	17.1	29.5	230
	20.25.3,5.6	20	25	3 + 3	3.5	25.2	46.4	340
	25.25.3,5.4	25	25	2 + 2	3.5	16.7	29.0	180

* Actual stiffness at preload equal to $0.08 \times C_a$



Dimensions

Flanged nut with wipers both ends

	L_F [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA * [mm]
1416	43	40	10	51	6.6	62	10	6	24	0	9
	51	40	10	51	6.6	62	10	6	24	0	9
	56	40	10	51	6.6	62	10	6	24	0	9
	49	40	10	51	6.6	62	10	6	24	0	9
	53	40	10	51	6.6	62	10	6	24	0	9
	55	40	10	51	6.6	62	10	6	24	0	9
	60	40	10	51	6.6	62	10	6	24	0	9
	66	40	10	51	6.6	62	10	6	24	0	9
	64	40	16	51	6.6	62	10	7	24	0	12
	78	40	16	51	6.6	62	10	7	24	0	12
	98	40	16	51	6.6	62	10	7	24	0	12
	2426	69	40	16	51	6.6	62	10	7	24	0
48		40	16	51	6.6	62	10	7	24	0	-
63		40	16	51	6.6	62	10	7	24	0	-
57		40	16	51	6.6	62	10	7	24	0	-
77		40	16	51	6.6	62	10	7	24	0	-
	66	40	16	51	6.6	62	10	7	24	0	-

LA *: Additional nut length at each end when using combination wipers

NOMINAL DIAMETER 32 mm

Single nut, 4-point contact
Execution grade P0 – P5



■ **Series 1416:**
DIN standard flanged nut,
ball oversize preload



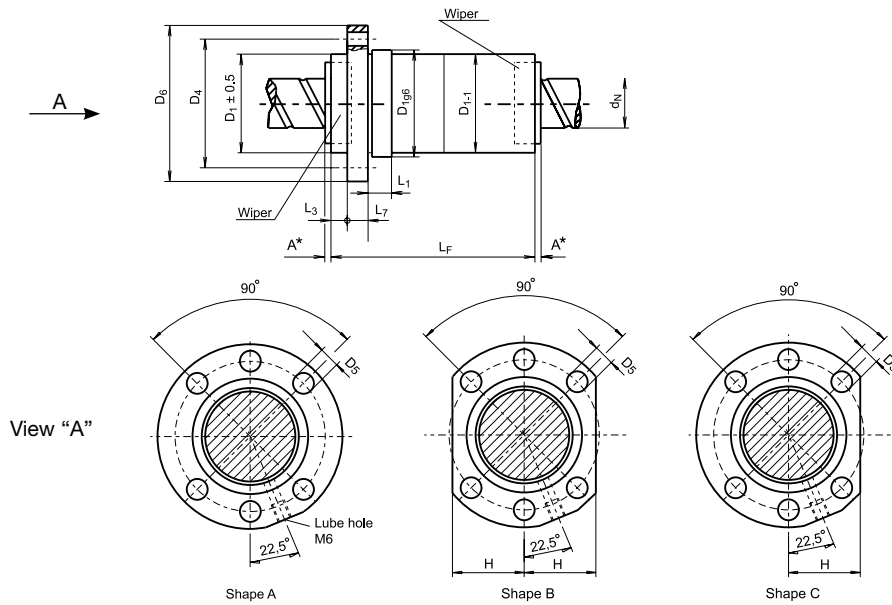
■ **Series 3426:**
UltraSpeed nut with flange, dual start,
ball oversize preload



■ **Series 3416:**
UltraSpeed nut with flange, single start,
ball oversize preload

Technical data								
	Nut type	Lead P [mm]	Nominal diameter d _N [mm]	No. of circuits i	Ball diameter d _w [mm]	Dyn. load rating C _a [kN]	Stat. load rating C _{0a} [kN]	Stiffness* R _{nu, ar} [N/μm]
1416	4.32.3.3	4	32	3	3.0	13.1	26.3	350
	4.32.3.4	4	32	4	3.0	16.8	35.0	460
	5.32.3.5.3	5	32	3	3.5	16.0	29.8	350
	5.32.3.5.4	5	32	4	3.5	20.4	39.8	460
	5.32.3.5.5	5	32	5	3.5	24.8	49.7	570
	5.32.3.5.6	5	32	6	3.5	29.0	59.0	680
	6.32.4.3	6	32	3	4.0	18.7	32.7	340
	6.32.4.4	6	32	4	4.0	24.0	43.7	450
	8.32.5.4	8	32	4	5.0	31.5	52.0	420
	8.32.5.6	8	32	6	5.0	44.6	78.0	620
	10.32.6.3	10	32	3	6.0	30.8	45.6	300
	10.32.6.4	10	32	4	6.0	39.4	60.8	400
10.32.6.5	10	32	5	6.0	47.8	76.0	490	
12.32.5.3	12	32	3	5.0	24.5	38.8	280	
3416	15.32.6.3	15	32	3	6.0	28.5	43.1	270
	15.32.6.5	15	32	5	6.0	47.3	77.7	450
3426	20.32.6.4	20	32	2 + 2	6.0	39.3	63.6	360
	20.32.6.6	20	32	3 + 3	6.0	57.9	100.0	530
	20.32.6.8	20	32	4 + 4	6.0	75.6	136.4	710
	25.32.6.4	25	32	2 + 2	6.0	38.7	63.0	300
	30.32.6.4	30	32	2 + 2	6.0	38.1	62.2	250

* Actual stiffness at preload equal to 0.08 x C_a



Dimensions

Flanged nut with wipers both ends

	L _F [mm]	D ₁ g6 [mm]	L ₁ [mm]	D ₄ [mm]	D ₅ [mm]	D ₆ [mm]	L ₇ [mm]	L ₃ [mm]	H [mm]	A [mm]	LA * [mm]
1416	51	50	10	65	9	80	12	6	31.0	0	9
	55	50	10	65	9	80	12	6	31.0	0	9
	57	50	10	65	9	80	12	6	31.0	0	9
	62	50	10	65	9	80	12	6	31.0	0	9
	67	50	10	65	9	80	12	6	31.0	0	9
	73	50	10	65	9	80	12	6	31.0	0	9
	61	50	10	65	9	80	12	6	31.0	0	9
	68	50	10	65	9	80	12	6	31.0	0	9
	84	50	16	65	9	80	12	7	31.0	0	12
	102	50	16	65	9	80	12	7	31.0	0	12
3416	84	50	16	65	9	80	12	7	31.0	0	12
	95	50	16	65	9	80	12	7	31.0	0	12
	107	50	16	65	9	80	12	7	31.0	0	12
	94	50	16	65	9	80	12	7	31.0	0	12
3416	74	56	20	71	9	86	14	7	32.5	0	12
	104	56	20	71	9	86	14	7	32.5	0	12
3426	68	56	20	71	9	86	14	7	32.5	0	12
	88	56	20	71	9	86	14	7	32.5	0	12
	108	56	20	71	9	86	14	7	32.5	0	12
	78	56	20	71	9	86	14	7	32.5	5	22
	88	56	20	71	9	86	14	7	32.5	5	22

LA *: Additional nut length at each end when using combination wipers

NOMINAL DIAMETER 40 mm

Single nut, 4-point contact
Execution grade P0 – P5



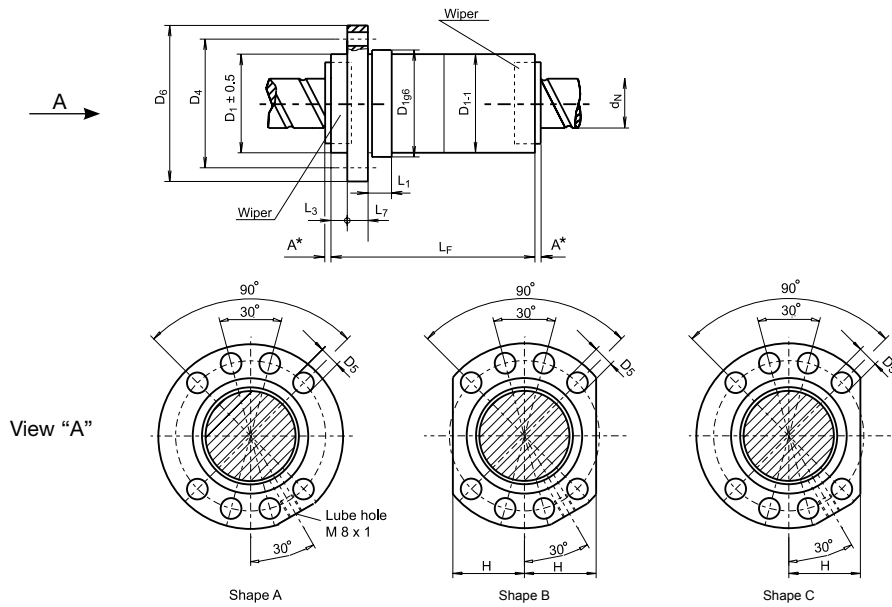
■ **Series 1416:**
DIN standard flanged nut,
ball oversize preload



■ **Series 3416:**
UltraSpeed nut with flange, single start,
ball oversize preload

Technical data								
	Nut type	Lead P [mm]	Nominal diameter d_N [mm]	No. of circuits i	Ball diameter d_w [mm]	Dyn. load rating C_a [kN]	Stat. load rating C_{0a} [kN]	Stiffness* $R_{nu,ar}$ [N/ μ m]
1416	5.40.3,5.3	5	40	3	3.5	17.7	38.2	430
	5.40.3,5.4	5	40	4	3.5	22.7	50.9	570
	5.40.3,5.5	5	40	5	3.5	27.5	63.6	700
	5.40.3,5.6	5	40	6	3.5	32.1	76.4	840
	6.40.4.4	6	40	4	4.0	26.7	56.1	560
	6.40.4.6	6	40	6	4.0	37.9	84.2	820
	8.40.5.4	8	40	4	5.0	35.8	68.2	540
	8.40.5.6	8	40	6	5.0	50.7	102.3	800
	10.40.7,5.3	10	40	3	7.5	46.1	71.3	390
	10.40.7,5.4	10	40	4	7.5	59.0	95.1	520
	10.40.7,5.5	10	40	5	7.5	71.5	118.9	650
3416	10.40.7,5.3 N	10	40	3	7.5	43.1	67.9	420
	10.40.7,5.4 N	10	40	4	7.5	57.5	95.1	560
	10.40.7,5.5 N	10	40	5	7.5	71.4	122.3	700
	10.40.7,5.6 N	10	40	6	7.5	84.9	149.5	840
1416	12.40.7,5.3 N	12	40	3	7.5	46.0	71.2	380
	12.40.7,5.4 N	12	40	4	7.5	58.9	95.0	500
	15.40.7,5.3	15	40	3	7.5	45.9	71.1	350
	15.40.7,5.4	15	40	4	7.5	58.7	94.8	460
3416	15.40.7,5.3 N	15	40	3	7.5	42.9	67.7	370
	15.40.7,5.4 N	15	40	4	7.5	57.2	94.8	490
	15.40.7,5.5 N	15	40	5	7.5	71.1	121.8	620
	15.40.7,5.6 N	15	40	6	7.5	84.4	148.9	740
1416	16.40.7,5.5	16	40	5	7.5	71.1	118.3	550
	20.40.7,5.2	20	40	2	7.5	32.1	47.1	200
	20.40.7,5.3	20	40	3	7.5	45.5	70.7	300

* Actual stiffness at preload equal to $0.08 \times C_a$
N: Alternate sizes acc. to DIN 69051



View "A"



Dimensions

Flanged nut with wipers both ends

	L_F [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA * [mm]
1416	59	63	10	78	9	93	14	6	35	0	9
	64	63	10	78	9	93	14	6	35	0	9
	69	63	10	78	9	93	14	6	35	0	9
	75	63	10	78	9	93	14	6	35	0	9
	70	63	10	78	9	93	14	6	35	0	9
	85	63	10	78	9	93	14	6	35	0	9
	86	63	16	78	9	93	14	7	35	0	12
	104	63	16	78	9	93	14	7	35	0	12
	86	63	16	78	9	93	14	7	35	0	12
	97	63	16	78	9	93	14	7	35	0	12
	110	63	16	78	9	93	14	7	35	0	12
3416	85	70	25	85	9	100	14	7	37.5	0	12
	95	70	25	85	9	100	14	7	37.5	0	12
	105	70	25	85	9	100	14	7	37.5	0	12
	115	70	25	85	9	100	14	7	37.5	0	12
1416	92	70	25	85	9	100	14	7	37.5	0	12
	105	70	25	85	9	100	14	7	37.5	0	12
	104	63	16	78	9	93	14	7	35	0	12
	121	63	16	78	9	93	14	7	35	0	12
3416	98	70	25	85	9	100	14	7	37.5	0	12
	113	70	25	85	9	100	14	7	37.5	0	12
	128	70	25	85	9	100	14	7	37.5	0	12
	143	70	25	85	9	100	14	7	37.5	0	12
1416	144	63	16	78	9	93	14	7	35	0	12
	92	63	16	78	9	93	14	7	35	0	12
	121	63	16	78	9	93	14	7	35	0	12

LA *: Additional nut length at each end when using combination wipers

NOMINAL DIAMETER 40 mm

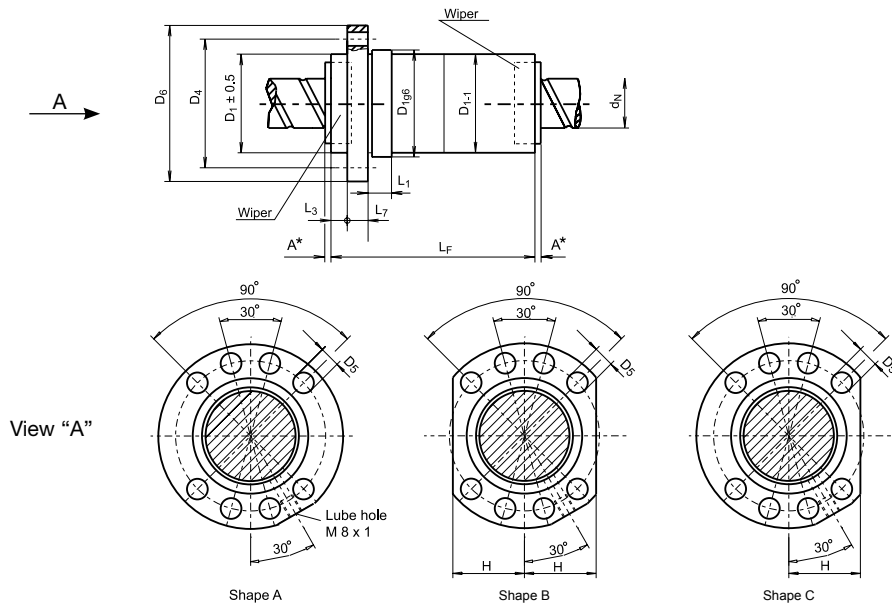
Single nut, 4-point contact
Execution grade P0 – P5



■ **Series 3426:**
UltraSpeed nut with flange, dual start,
ball oversize preload

Technical data								
	Nut type	Lead	Nominal diameter d_N [mm]	No. of circuits i	Ball diameter d_w [mm]	Dyn. load rating C_a [kN]	Stat. load rating C_{0a} [kN]	Stiffness* $R_{nu, ar}$ [N/ μ m]
		P [mm]						
3426	20.40.6.6	20	40	3 + 3	6.0	64.9	126.3	730
	20.40.6.8	20	40	4 + 4	6.0	84.7	172.2	960
	20.40.7,5.6 N	20	40	3 + 3	7.5	83.8	148.1	710
	20.40.7,5.8 N	20	40	4 + 4	7.5	109.5	201.9	940
	25.40.6.6	25	40	3 + 3	6.0	64.3	125.4	630
	25.40.6.8	25	40	4 + 4	6.0	84.0	171.0	840
	25.40.7,5.6 N	25	40	3 + 3	7.5	86.5	156.3	650
	25.40.7,5.8 N	25	40	4 + 4	7.5	113.0	213.1	870
	30.40.6.6	30	40	3 + 3	6.0	63.6	124.4	550
	30.40.6.8	30	40	4 + 4	6.0	83.1	169.6	730
	30.40.7,5.6 N	30	40	3 + 3	7.5	85.6	155.0	570
	30.40.7,5.8 N	30	40	4 + 4	7.5	111.8	211.3	750
	40.40.6.6	40	40	3 + 3	6.0	61.9	121.9	410
	40.40.7,5.4 N	40	40	2 + 2	7.5	56.5	96.6	280

* Actual stiffness at preload equal to $0.08 \times C_a$
N: Alternate sizes acc. to DIN 69051



View "A"



Dimensions

Flanged nut with wipers both ends

	L_F [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA^* [mm]
3426	89	63	20	78	9	93	14	7	35	0	12
	109	63	20	78	9	93	14	7	35	0	12
	90	70	25	85	9	100	14	7	37.5	0	12
	110	70	25	85	9	100	14	7	37.5	0	12
	107	63	16	78	9	93	14	7	35	5	22
	132	63	16	78	9	93	14	7	35	5	22
	104	70	25	85	9	100	14	7	37.5	5	22
	129	70	25	85	9	100	14	7	37.5	5	22
	121	63	16	78	9	93	14	7	35	5	22
	151	63	16	78	9	93	14	7	35	5	22
	123	70	25	85	9	100	14	7	37.5	5	22
	153	70	25	85	9	100	14	7	37.5	5	22
	148	63	16	78	9	93	14	7	35	5	22
	107	70	25	85	9	100	14	7	37.5	5	22

LA *: Additional nut length at each end when using combination wipers

Positioning ball screws 16 - 125 mm

NOMINAL DIAMETER 50 mm

Single nut, 4-point contact
Execution grade P0 – P5



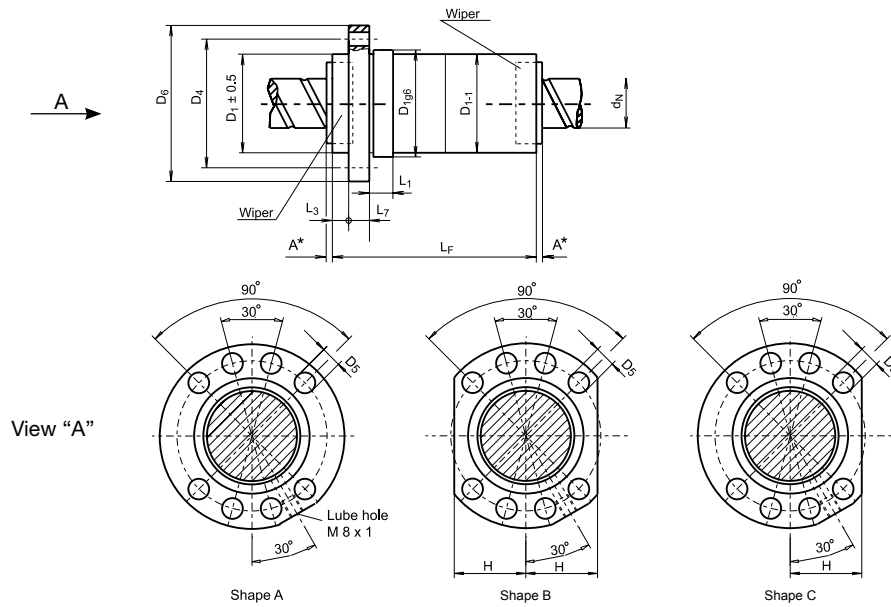
■ **Series 1416:**
DIN standard flanged nut,
ball oversize preload



■ **Series 3426:**
UltraSpeed nut with flange, dual start,
ball oversize preload

Technical data								
	Nut type	Lead P [mm]	Nominal diameter d _N [mm]	No. of circuits i	Ball diameter d _w [mm]	Dyn. load rating C _a [kN]	Stat. load rating C _{0a} [kN]	Stiffness* R _{nu, ar} [N/μm]
1416	5.50.3,5.3	5	50	3	3.5	19.6	48.9	520
	5.50.3,5.4	5	50	4	3.5	25.1	65.2	680
	5.50.3,5.5	5	50	5	3.5	30.4	81.5	850
	5.50.3,5.6	5	50	6	3.5	35.6	97.8	1010
	10.50.7,5.3	10	50	3	7.5	52.7	93.2	510
	10.50.7,5.4	10	50	4	7.5	67.4	124.3	670
	10.50.7,5.5	10	50	5	7.5	81.7	155.4	830
	15.50.7,5.3	15	50	3	7.5	52.5	93.0	470
	15.50.7,5.4	15	50	4	7.5	67.2	124.0	610
	15.50.7,5.5	15	50	5	7.5	81.4	155.0	760
	15.50.9.3N	15	50	3	9.0	77.2	130.4	520
	15.50.9.4N	15	50	4	9.0	98.8	173.9	690
	15.50.9.5N	15	50	5	9.0	119.7	217.4	850
	20.50.9.3	20	50	3	9.0	76.8	130.0	470
	20.50.9.4	20	50	4	9.0	98.4	173.3	620
	20.50.9.3 N	20	50	3	9.0	76.8	130.0	470
20.50.9.4 N	20	50	4	9.0	98.4	173.3	620	
3426	20.50.7,5.6 N	20	50	3 + 3	7.5	97.5	198.2	980
	20.50.7,5.8 N	20	50	4 + 4	7.5	127.3	270.3	1300
	25.50.7,5.8 N	25	50	4 + 4	7.5	126.6	269.1	1180
	30.50.6.8	30	50	4 + 4	6.0	92.6	214.6	1030
	30.50.7,5.8 N	30	50	4 + 4	7.5	125.7	267.6	1060
	35.50.7,5.6 N	35	50	3 + 3	7.5	95.5	195.0	720
	35.50.7,5.8 N	35	50	4 + 4	7.5	124.7	265.9	950
	40.50.7,5.6 N	40	50	3 + 3	7.5	94.6	193.6	640

* Actual stiffness at preload equal to 0.08 x C_a
N: Alternate sizes acc. to DIN 69051



Dimensions

Flanged nut with wipers both ends

	L _F [mm]	D ₁ g6 [mm]	L ₁ [mm]	D ₄ [mm]	D ₅ [mm]	D ₆ [mm]	L ₇ [mm]	L ₃ [mm]	H [mm]	A [mm]	LA * [mm]
1416	61	75	10	93	11	110	16	6	42.5	0	9
	66	75	10	93	11	110	16	6	42.5	0	9
	71	75	10	93	11	110	16	6	42.5	0	9
	76	75	10	93	11	110	16	6	42.5	0	9
	88	75	16	93	11	110	16	7	42.5	0	12
	99	75	16	93	11	110	16	7	42.5	0	12
	111	75	16	93	11	110	16	7	42.5	0	12
	107	75	16	93	11	110	16	7	42.5	0	12
	124	75	16	93	11	110	16	7	42.5	0	12
	142	75	16	93	11	110	16	7	42.5	0	12
	112	82	25	100	11	118	16	7	46.0	0	12
	129	82	25	100	11	118	16	7	46.0	0	12
	147	82	25	100	11	118	16	7	46.0	0	12
	129	75	16	93	11	110	16	7	42.5	0	12
	150	75	16	93	11	110	16	7	42.5	0	12
	129	82	25	100	11	118	16	7	46.0	0	12
	150	82	25	100	11	118	16	7	46.0	0	12
3426	91	82	25	100	11	118	16	7	46.0	0	12
	111	82	25	100	11	118	16	7	46.0	0	12
	130	82	25	100	11	118	16	7	46.0	5	22
	152	75	16	93	11	110	16	7	42.5	5	22
	150	82	25	100	11	118	16	7	46.0	5	22
	135	82	25	100	11	118	16	7	46.0	5	22
	170	82	25	100	11	118	16	7	46.0	5	22
	149	82	25	100	11	118	16	7	46.0	5	22

LA *: Additional nut length at each end when using combination wipers

Positioning ball screws 16 - 125 mm

NOMINAL DIAMETER 60 – 63 mm

Single nut, 4-point contact
Execution grade P0 – P5



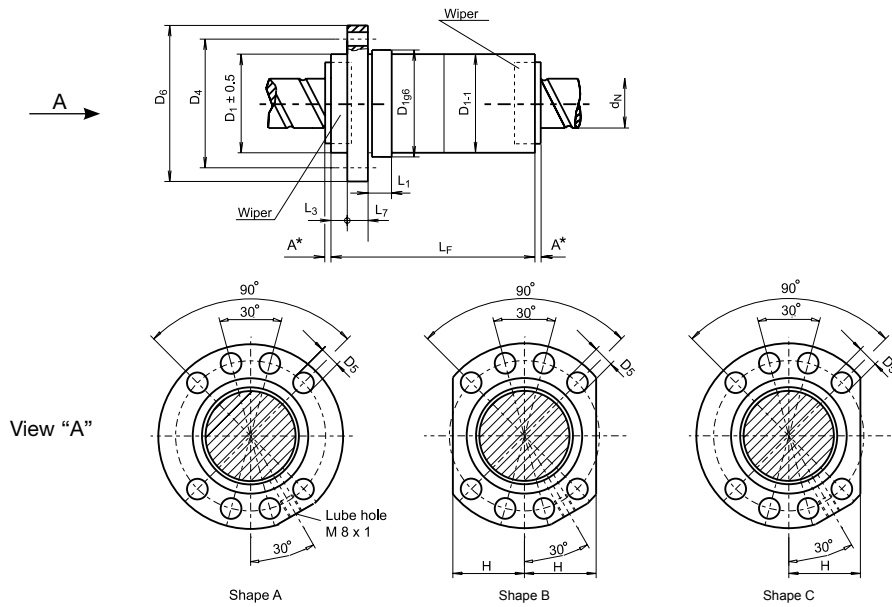
■ **Series 1416:**
DIN standard flanged nut,
ball oversize preload



■ **Series 3426:**
UltraSpeed nut with flange, dual start,
ball oversize preload

Technical data								
	Nut type	Lead P [mm]	Nominal diameter d_N [mm]	No. of circuits i	Ball diameter d_w [mm]	Dyn. load rating C_a [kN]	Stat. load rating C_{0a} [kN]	Stiffness* $R_{nu, ar}$ [N/ μ m]
3426	25.60.9.6	25	60	3 + 3	9.0	164.3	361.5	1350
	25.60.9.8	25	60	4 + 4	9.0	214.5	492.9	1790
	30.60.9.6	30	60	3 + 3	9.0	163.5	360.1	1250
	30.60.9.8	30	60	4 + 4	9.0	213.5	491.0	1650
	35.60.9.6	35	60	3 + 3	9.0	162.5	358.5	1140
	40.60.9.4	40	60	2 + 2	9.0	109.5	227.0	700
	40.60.9.6	40	60	3 + 3	9.0	161.5	356.7	1040
		20.63.7,5.8	20	63	4 + 4	7.5	140.5	339.7
1416	5.63.3,5.4	5	63	4	3.5	27.8	84.3	820
	5.63.3,5.5	5	63	5	3.5	33.7	105.4	1010
	5.63.3,5.6	5	63	6	3.5	39.5	126.5	1200
	10.63.7,5.3	10	63	3	7.5	59.2	120.7	630
	10.63.7,5.4	10	63	4	7.5	75.8	160.9	830
	10.63.7,5.5	10	63	5	7.5	91.8	201.1	1030
	10.63.7,5.6	10	63	6	7.5	107.4	241.3	1230
	15.63.9.4	15	63	4	9.0	116.7	239.9	940
	20.63.11.3	20	63	3	11.0	115.3	209.1	660
	20.63.11.4	20	63	4	11.0	147.7	278.8	870
	20.63.11.5	20	63	5	11.0	179.0	348.5	1070
	30.63.11.3	30	63	3	11.0	114.4	207.8	550

* Actual stiffness at preload equal to $0.08 \times C_a$



View "A"



Dimensions

Flanged nut with wipers both ends

	L_F [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA^* [mm]
3426	106	95	25	115	13.5	135	20	7	50.0	5	22
	131	95	25	115	13.5	135	20	7	50.0	5	22
	121	95	25	115	13.5	135	20	7	50.0	5	22
	151	95	25	115	13.5	135	20	7	50.0	5	22
	135	95	25	115	13.5	135	20	7	50.0	5	22
	110	95	25	115	13.5	135	20	7	50.0	5	22
	150	95	25	115	13.5	135	20	7	50.0	5	22
1416	111	95	25	115	13.5	135	20	7	50.0	-	-
	68	90	10	108	11.0	125	18	6	47.5	0	9
	73	90	10	108	11.0	125	18	6	47.5	0	9
	78	90	10	108	11.0	125	18	6	47.5	0	9
	91	90	16	108	11.0	125	18	7	47.5	0	12
	102	90	16	108	11.0	125	18	7	47.5	0	12
	112	90	16	108	11.0	125	18	7	47.5	0	12
	124	90	16	108	11.0	125	18	7	47.5	0	12
	133	95	25	115	13.5	135	20	7	50.0	0	12
	136	95	25	115	13.5	135	20	7	50.0	0	12
	157	95	25	115	13.5	135	20	7	50.0	0	12
	182	95	25	115	13.5	135	20	7	50.0	0	12
173	95	25	115	13.5	135	20	7	50.0	5	22	

LA *: Additional nut length at each end when using combination wipers

NOMINAL DIAMETER 80 mm

Single nut, 4-point contact
Execution grade P0 – P5



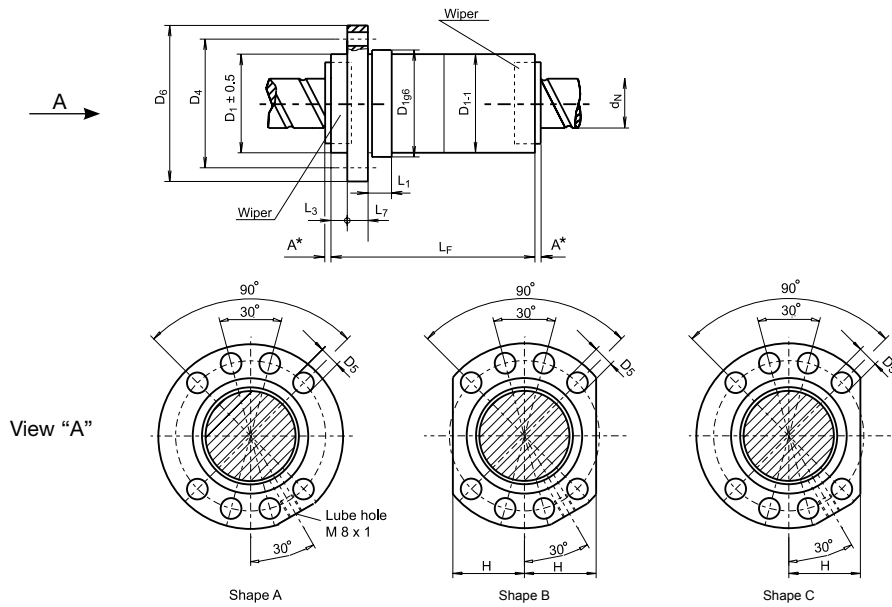
■ **Series 1416:**
DIN standard flanged nut,
ball oversize preload



■ **Series 3426:**
UltraSpeed nut with flange, dual start,
ball oversize preload

Technical data								
	Nut type	Lead P [mm]	Nominal diameter d_N [mm]	No. of circuits i	Ball diameter d_w [mm]	Dyn. load rating C_a [kN]	Stat. load rating C_{0a} [kN]	Stiffness* $R_{nu, ar}$ [N/ μ m]
1416	5.80.3,5,3	5	80	3	3.5	23.9	81.2	700
	5.80.3,5,4	5	80	4	3.5	30.6	108.2	930
	5.80.3,5,5	5	80	5	3.5	37.1	135.3	1150
	5.80.3,5,6	5	80	6	3.5	43.4	162.4	1370
	10.80.7,5,3	10	80	3	7.5	68.2	164.3	790
	10.80.7,5,4	10	80	4	7.5	87.3	219.1	1040
	10.80.7,5,5	10	80	5	7.5	105.8	273.8	1280
	10.80.7,5,6	10	80	6	7.5	123.8	328.6	1530
	15.80.11,3	15	80	3	11.0	134.4	283.9	940
	15.80.11,4	15	80	4	11.0	172.2	378.5	1240
	15.80.11,5	15	80	5	11.0	208.6	473.1	1540
	15.80.11,6	15	80	6	11.0	244.0	567.7	1830
	20.80.11,3	20	80	3	11.0	134.2	283.5	900
	20.80.11,4	20	80	4	11.0	171.9	377.9	1180
	20.80.11,5	20	80	5	11.0	208.2	472.4	1470
	20.80.11,6	20	80	6	11.0	243.6	566.9	1750
	25.80.11,3	25	80	3	11.0	133.9	283.0	850
	30.80.11,3	30	80	3	11.0	133.5	282.4	790
3426	25.80.9,10	25	80	5 + 5	9.0	301.0	847.9	3090
	30.80.11,8	30	80	4 + 4	11.0	322.3	811.8	2420
	30.80.11,10	30	80	5 + 5	11.0	394.9	1028.2	3000
	40.80.11,4	40	80	2 + 2	11.0	166.1	376.8	1090
	40.80.11,6	40	80	3 + 3	11.0	245.1	592.1	1620

* Actual stiffness at preload equal to $0.08 \times C_a$



Dimensions

Flanged nut with wipers both ends

	L _F [mm]	D ₁ g6 [mm]	L ₁ [mm]	D ₄ [mm]	D ₅ [mm]	D ₆ [mm]	L ₇ [mm]	L ₃ [mm]	H [mm]	A [mm]	LA * [mm]
1416	64	105	16	125	13.5	145	20	7	55.0	0	9
	69	105	16	125	13.5	145	20	7	55.0	0	9
	74	105	16	125	13.5	145	20	7	55.0	0	9
	79	105	16	125	13.5	145	20	7	55.0	0	9
	93	105	16	125	13.5	145	20	7	55.0	0	12
	104	105	16	125	13.5	145	20	7	55.0	0	12
	114	105	16	125	13.5	145	20	7	55.0	0	12
	125	105	16	125	13.5	145	20	7	55.0	0	12
	121	125	25	145	13.5	165	25	7	65.0	0	12
	138	125	25	145	13.5	165	25	7	65.0	0	12
	153	125	25	145	13.5	165	25	7	65.0	0	12
	169	125	25	145	13.5	165	25	7	65.0	0	12
	143	125	25	145	13.5	165	25	7	65.0	0	12
	164	125	25	145	13.5	165	25	7	65.0	0	12
	185	125	25	145	13.5	165	25	7	65.0	0	12
	206	125	25	145	13.5	165	25	7	65.0	0	12
	177	125	25	145	13.5	165	25	7	65.0	5	22
	190	125	25	145	13.5	165	25	7	65.0	5	22
3426	157	125	25	145	13.5	165	25	7	65.0	5	22
	154	125	25	145	13.5	165	25	7	65.0	5	22
	184	125	25	145	13.5	165	25	7	65.0	5	22
	114	125	25	145	13.5	165	25	7	65.0	5	24
	154	125	25	145	13.5	165	25	7	65.0	5	24

LA *: Additional nut length at each end when using combination wipers

Positioning ball screws 16 - 125 mm

NOMINAL DIAMETER 100 – 125 mm

Single nut, 4-point contact
Execution grade P0 – P5



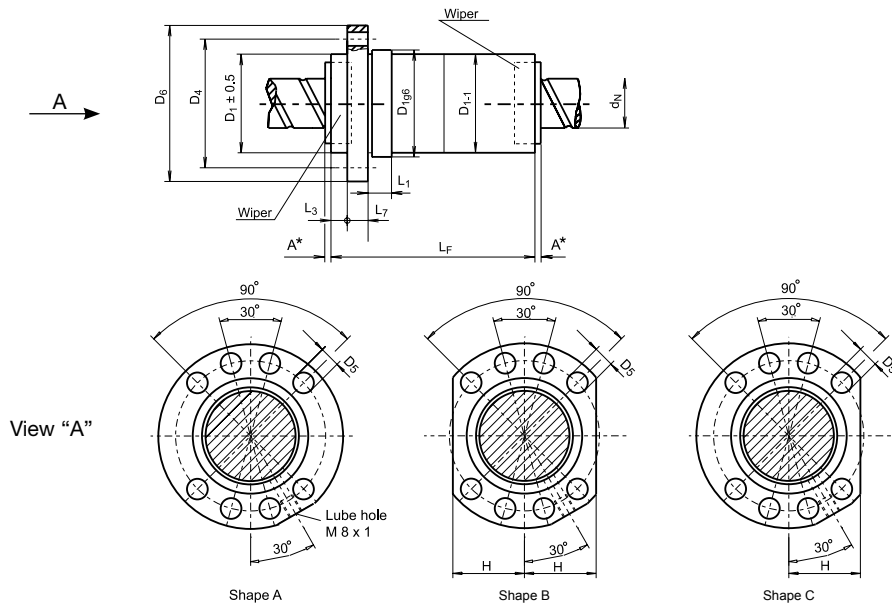
■ **Series 1416:**
DIN standard flanged nut,
ball oversize preload



■ **Series 3426:**
UltraSpeed nut with flange, dual start,
ball oversize preload

Technical data								
	Nut type	Lead P [mm]	Nominal diameter d_N [mm]	No. of circuits i	Ball diameter d_w [mm]	Dyn. load rating C_a [kN]	Stat. load rating C_{0a} [kN]	Stiffness* $R_{nu, ar}$ [N/ μ m]
1416	10.100.7,5.3	10	100	3	7.5	75.0	208.2	910
	10.100.7,5.4	10	100	4	7.5	96.0	277.6	1200
	10.100.7,5.5	10	100	5	7.5	116.3	347.0	1480
	10.100.7,5.6	10	100	6	7.5	136.1	416.4	1770
	15.100.11.3	15	100	3	11.0	152.2	373.2	1180
	15.100.11.4	15	100	4	11.0	195.3	497.6	1560
	15.100.11.5	15	100	5	11.0	236.7	622.0	1930
	15.100.11.6	15	100	6	11.0	276.8	746.4	2300
	20.100.11.3	20	100	3	11.0	152.4	372.9	1160
	20.100.11.4	20	100	4	11.0	195.1	497.1	1520
	20.100.11.5	20	100	5	11.0	236.4	621.4	1890
	20.100.11.6	20	100	6	11.0	276.5	745.7	2250
	25.100.11.3	25	100	3	11.0	152.1	372.4	1110
3426	30.100.11.8	30	100	4 + 4	11.0	350.8	1001.4	3010
	30.100.11.10	30	100	5 + 5	11.0	429.9	1268.4	3740
	30.100.11.12	30	100	6 + 6	11.0	506.7	1535.4	4460
	40.100.11.4	40	100	2 + 2	11.0	181.3	465.7	1400
	40.100.11.6	40	100	3 + 3	11.0	267.5	731.8	2090
1416	10.125.7,5.4	10	125	4	7.5	105.1	350.8	1340
	20.125.12,7.6	20	125	6	12.7	369.5	1074.7	2700
	20.125.12,7.8	25	125	8	12.7	473.2	1433.0	3570

* Actual stiffness at preload equal to $0.08 \times C_a$



Dimensions

Flanged nut with wipers both ends

	L_F [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA^* [mm]
1416	93	125	16	145	13.5	165	22	7	65	0	12
	104	125	16	145	13.5	165	22	7	65	0	12
	114	125	16	145	13.5	165	22	7	65	0	12
	126	125	16	145	13.5	165	22	7	65	0	12
	127	150	25	176	17.5	202	30	7	77.5	0	12
	144	150	25	176	17.5	202	30	7	77.5	0	12
	159	150	25	176	17.5	202	30	7	77.5	0	12
	175	150	25	176	17.5	202	30	7	77.5	0	12
	144	150	25	176	17.5	202	30	7	77.5	0	12
	164	150	25	176	17.5	202	30	7	77.5	0	12
	185	150	25	176	17.5	202	30	7	77.5	0	12
	206	150	25	176	17.5	202	30	7	77.5	0	12
	177	150	25	176	17.5	202	30	7	77.5	5	22
	3426	155	150	25	176	17.5	202	30	7	77.5	5
185		150	25	176	17.5	202	30	7	77.5	5	22
215		150	25	176	17.5	202	30	7	77.5	5	22
	128	150	25	176	17.5	202	30	7	77.5	5	22
	168	150	25	176	17.5	202	30	7	77.5	5	22
1416	139	150	10	176	17.5	202	25	7	77.5	0	12
	217	170	25	196	17.5	222	30	7	87.5	0	12
	264	170	25	196	17.5	222	30	7	87.5	0	12

LA *: Additional nut length at each end when using combination wipers

Positioning ball screws 16 - 125 mm

NOMINAL DIAMETER 16 – 20 mm

Double nut, 2-point contact
Execution grade P0 – P5



■ **Series 1516:**
DIN standard flanged nut
with UNILOCK preload

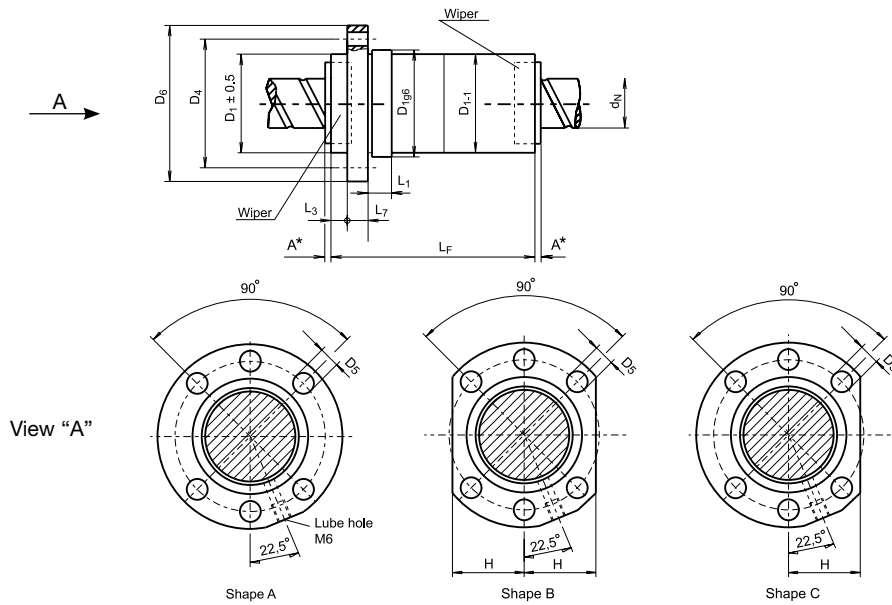


■ **Series 2526:**
End cap nut with flange, dual start,
pitch offset preload

HIGH
ETA⁺
PERFORMANCE

Technical data												
	Nut type	Lead P [mm]	Nominal diameter d _N [mm]	No. of circuits i		Ball diameter d _w [mm]	Dyn. load rating C _a [kN]		Stat. load rating C _{0a} [kN]		Stiffness* R _{nu, ar} [N/μm]	
				2x								
1516	2.16.1,5.3	2	16	3		1.5	2.9		4.9		240	
	2.16.1,5.4	2	16	4		1.5	3.8		6.5		330	
	4.16.3.3	4	16	3		3.0	8.9		11.4		270	
	4.16.3.4	4	16	4		3.0	11.3		15.2		360	
	5.16.3,5.3	5	16	3		3.5	10.1		12.0		240	
	5.16.3,5.4	5	16	4		3.5	12.9		16.0		320	
2526	10.16.3,5.3	10	16		3 + 3	3.5		13.0		13.7		260
	10.16.3,5.4	10	16		4 + 4	3.5		17.3		19.2		340
	10.16.3,5.5	10	16		5 + 5	3.5		21.5		24.7		430
1516	2.20.1,5.2	2	20	2		1.5	2.3		4.1		200	
	2.20.1,5.3	2	20	3		1.5	3.2		6.2		300	
	2.20.1,5.4	2	20	4		1.5	4.1		8.2		390	
	2.20.1,5.5	2	20	5		1.5	5.0		10.3		480	
	4.20.3.2	4	20	2		3.0	7.1		9.9		240	
	4.20.3.3	4	20	3		3.0	10.1		14.9		350	
	4.20.3.4	4	20	4		3.0	13.0		19.9		460	
	5.20.3,5.2	5	20	2		3.5	8.6		11.2		230	
	5.20.3,5.3	5	20	3	3 + 3	3.5	12.1	15.9	16.7	18.2	330	370
	5.20.3,5.4	5	20	4	4 + 4	3.5	15.5	20.4	22.3	24.3	440	490
	10.20.3,5.2	10	20	2		3.5	8.5		11.1		180	
	10.20.3,5.3	10	20	3		3.5	12.0		16.6		270	
2526	10.20.3,5.5	10	20		5 + 5	3.5		25.2		32.5		590
	20.20.3,5.2	20	20		2 + 2	3.5		9.3		10.5		150
	20.20.3,5.3	20	20		3 + 3	3.5		14.5		17.4		220

* Actual stiffness at preload equal to 0.1 x C_a



Dimensions

Flanged nut with wipers both ends

	L_F [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA * [mm]	
1516	62	28	10	38	5.5	48	10	6	20	0	9	
	70	28	10	38	5.5	48	10	6	20	0	9	
	73	28	10	38	5.5	48	10	6	20	0	9	
	81	28	10	38	5.5	48	10	6	20	0	9	
	84	28	10	38	5.5	48	10	6	20	0	9	
	95	28	10	38	5.5	48	10	6	20	0	9	
2526	44	32	16	42	5.5	52	10	12	20	0	-	
	54	32	16	42	5.5	52	10	12	20	0	-	
	64	32	16	42	5.5	52	10	12	20	0	-	
1516	61	36	10	47	6.6	58	10	6	22	0	9	
	72	36	10	47	6.6	58	10	6	22	0	9	
	80	36	10	47	6.6	58	10	6	22	0	9	
	89	36	10	47	6.6	58	10	6	22	0	9	
	63	36	10	47	6.6	58	10	6	22	0	9	
	73	36	10	47	6.6	58	10	6	22	0	9	
	82	36	10	47	6.6	58	10	6	22	0	9	
	73	36	10	47	6.6	58	10	7	22	0	9	
	85	79	36	10	47	6.6	58	10	6	22	0	9
	95	90	36	10	47	6.6	58	10	6	22	0	9
	102	36	16	47	6.6	58	10	7	22	0	12	
	126	36	16	47	6.6	58	10	7	22	0	12	
2526	69	36	16	47	6.6	58	10	7	22	0	-	
	57	36	16	47	6.6	58	10	7	22	0	-	
	77	36	16	47	6.6	58	10	7	22	0	-	

LA *: Additional nut length at each end when using combination wipers

NOMINAL DIAMETER 25 mm

Double nut, 2-point contact
Execution grade P0 – P5



■ **Series 1516:**
DIN standard flanged nut
with UNILOCK preload

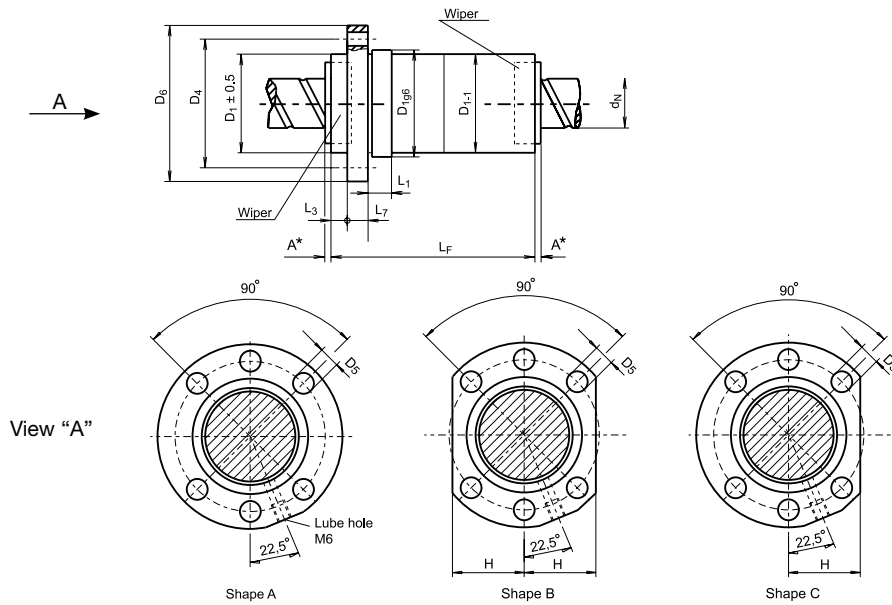


■ **Series 2526:**
End cap nut with flange, dual start,
pitch offset preload

**HIGH
ETA⁺
PERFORMANCE**

Technical data												
	Nut type	Lead P [mm]	Nominal diameter d _N [mm]	No. of circuits i		Ball diameter d _w [mm]	Dyn. load rating C _a [kN]		Stat. load rating C _{0a} [kN]		Stiffness* R _{nu, ar} [N/μm]	
				i	2x		C _a	C _a	C _{0a}	C _{0a}	R _{nu, ar}	R _{nu, ar}
1516	2.25.1,5.3	2	25	3		1.5	3.5		7.8		350	
	2.25.1,5.4	2	25	4		1.5	4.5		10.4		460	
	2.25.1,5.5	2	25	5		1.5	5.5		13.0		570	
	4.25.3.3	4	25	3		3.0	11.4		19.3		430	
	4.25.3.4	4	25	4		3.0	14.6		25.7		570	
	5.25.3,5.3	5	25	3	3 + 3	3.5	13.7	18.1	21.5	23.4	420	460
	5.25.3,5.4	5	25	4	4 + 4	3.5	17.5	23.1	28.7	31.2	550	610
	5.25.3,5.5	5	25	5	5 + 5	3.5	21.2	28.0	35.9	39.0	680	750
	10.25.3,5.2	10	25	2		3.5	9.6		14.3		240	
	10.25.3,5.3	10	25	3	2 x 3	3.5	13.6	17.9	21.4	23.3	360	390
12.28.4.4	12	28	4		4.0	22.1		37.2		510		
2526	15.25.3,5.2	15	25		2 + 2	3.5		10.7		13.3		250
	15.25.3,5.3	15	25		3 + 3	3.5		16.7		22.2		390
	20.25.3,5.2	20	25		2 + 2	3.5		10.9		13.8		220
	20.25.3,5.3	20	25		3 + 3	3.5		16.9		22.9		330
	25.25.3,5.2	25	25		2 + 2	3.5		10.6		13.5		180

* Actual stiffness at preload equal to 0.1 x C_a



Dimensions

Flanged nut with wipers both ends

	L_F [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA * [mm]		
1516	72	ETA	40	10	51	6.6	62	10	6	24	0	9	
	77		40	10	51	6.6	62	10	6	24	0	9	
	81		40	10	51	6.6	62	10	6	24	0	9	
	73		40	10	51	6.6	62	10	6	24	0	9	
	82		40	10	51	6.6	62	10	6	24	0	9	
	85		76	40	10	51	6.6	62	10	6	24	0	9
2526	95	90	40	10	51	6.6	62	10	6	24	0	9	
	107	100	40	10	51	6.6	62	10	6	24	0	9	
	104	ETA	40	16	51	6.6	62	10	7	24	0	12	
	128		128	40	16	51	6.6	62	10	7	24	0	12
	170		40	16	51	6.6	62	10	7	24	0	12	
	48		40	16	51	6.6	62	10	7	24	0	-	
63	40		16	51	6.6	62	10	7	24	0	-		
57	40		16	51	6.6	62	10	7	24	0	-		
77	40	16	51	6.6	62	10	7	24	0	-			
66	40	16	51	6.6	62	10	7	24	0	-			

LA *: Additional nut length at each end when using combination wipers

Positioning ball screws 16 - 125 mm

NOMINAL DIAMETER 32 mm

Double nut, 2-point contact
Execution grade P0 – P5



■ **Series 1516:**
DIN standard flanged nut
with UNILOCK preload

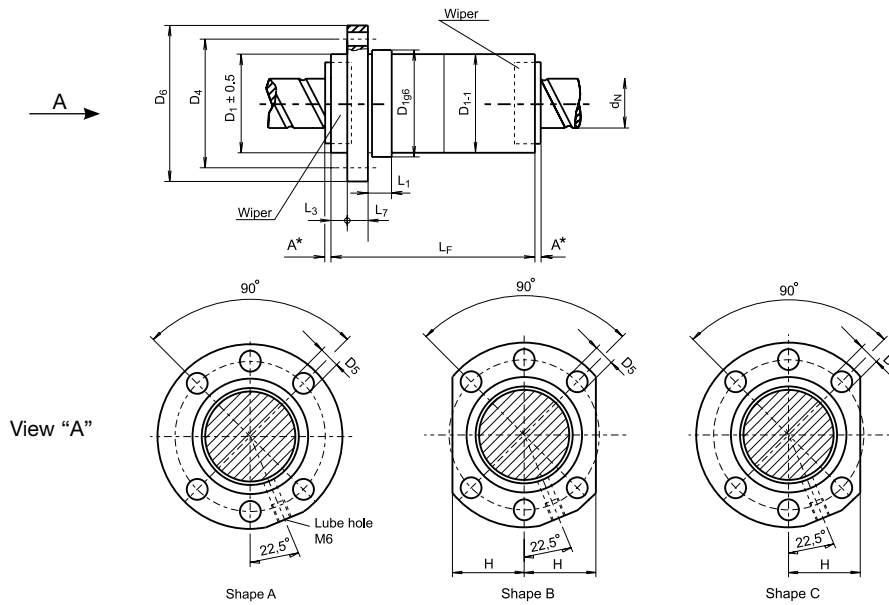


■ **Series 3526:**
UltraSpeed nut with flange, dual start,
pitch offset preload

HIGH
ETA⁺
PERFORMANCE

Technical data												
	Nut type	Lead P [mm]	Nominal diameter d _N [mm]	No. of circuits i 2x		Ball diameter d _w [mm]	Dyn. load rating C _a [kN]		Stat. load rating C _{0a} [kN]		Stiffness* R _{nu, ar} [N/μm]	
1516	4.32.3.3	4	32	3		3.0	13.1		26.3		550	
	4.32.3.4	4	32	4		3.0	16.8		35.0		730	
	5.32.3.5.3	5	32	3	3 + 3	3.5	16.0	21.3	29.8	32.4	550	610
	5.32.3.5.4	5	32	4	4 + 4	3.5	20.4	27.3	39.8	43.2	730	800
	5.32.3.5.5	5	32	5	5 + 5	3.5	24.8	33.0	49.7	54.0	900	990
	5.32.3.5.6	5	32	6		3.5	29.0		59.6		1070	
	6.32.4.3	6	32	3	3 + 3	4.0	18.7	24.8	32.7	35.6	530	600
	6.32.4.4	6	32	4		4.0	24.0		43.7		710	
	8.32.5.4	8	32	4	4 + 4	5.0	31.5	41.5	52.0	56.6	680	740
	8.32.5.6	8	32	6		5.0	44.6		78.0		1000	
	10.32.6.3	10	32	3	3 + 3	6.0	30.8	40.3	45.6	49.7	490	540
	10.32.6.4	10	32	4	2 x 4	6.0	39.4	51.6	60.8	66.3	650	710
	10.32.6.5	10	32	5	2 x 5	6.0	47.8	62.6	76.0	82.9	800	880
	12.32.5.3	12	32		3 + 3	5.0		32.2		42.3		510
12.32.5.4	12	32	4		5.0	31.3		51.8		620		
12.32.5.5	12	32	5		5.0	37.9		64.7		760		
15.32.6.3	15	32		2 x 3	6.0		40.0		49.4		470	
20.32.6.3	20	32	3		6.0	30.2		44.9		360		
3526	20.32.6.2	20	32		2 + 2	6.0		24.8		29.8		330
	20.32.6.3	20	32		3 + 3	6.0		38.5		49.6		500
	20.32.6.4	20	32		4 + 4	6.0		51.4		69.4		670
	25.32.6.2	25	32		2 + 2	6.0		24.5		29.4		290
	30.32.6.2	30	32		2 + 2	6.0		24.1		29.1		250

* Actual stiffness at preload equal to 0.1 x C_a



Dimensions

Flanged nut with wipers both ends

	L_f [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA * [mm]	
1516	75	50	10	65	9	80	12	6	31.0	0	9	
	84	50	10	65	9	80	12	6	31.0	0	9	
	87	82	50	10	65	9	80	12	6	31.0	0	9
	97	92	50	10	65	9	80	12	6	31.0	0	9
	107	102	50	10	65	9	80	12	6	31.0	0	9
	114	50	10	65	9	80	12	6	31.0	0	9	
	97	91	50	10	65	9	80	12	6	31.0	0	9
	110	50	10	65	9	80	12	6	31.0	0	9	
	140	132	50	16	65	9	80	12	7	31.0	0	12
	174	50	16	65	9	80	12	7	31.0	0	12	
	144	130	50	16	65	9	80	12	7	31.0	0	12
	165	165	50	16	65	9	80	12	7	31.0	0	12
	187	187	50	16	65	9	80	12	7	31.0	0	12
	191	166	50	16	65	9	80	12	7	31.0	0	12
	218	50	16	65	9	80	12	7	31.0	0	12	
3526	177	56	20	71	9	86	14	7	32.5	0	12	
	200	50	16	65	9	80	12	7	31	0	12	
	68	56	20	71	9	86	14	7	32.5	0	12	
	88	56	20	71	9	86	14	7	32.5	0	12	
	108	56	20	71	9	86	14	7	32.5	0	12	
	78	56	20	71	9	86	14	7	32.5	5	22	
	88	56	20	71	9	86	14	7	32.5	5	22	

LA *: Additional nut length at each end when using combination wipers

Positioning ball screws 16 - 125 mm

NOMINAL DIAMETER 40 mm

Double nut, 2-point contact
Execution grade P0 – P5



■ **Series 1516:**
DIN standard flanged nut
with UNILOCK preload

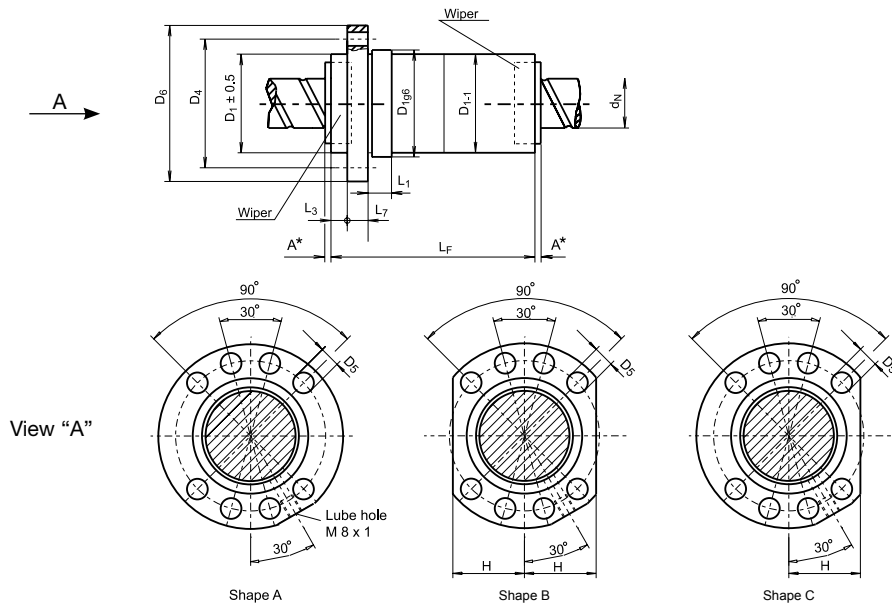


■ **Series 3526:**
UltraSpeed nut with flange, dual start,
pitch offset preload

**HIGH
ETA⁺
PERFORMANCE**

Technical data												
	Nut type	Lead P [mm]	Nominal diameter d _N [mm]	No. of circuits i 2x		Ball diameter d _w [mm]	Dyn. load rating		Stat. load rating		Stiffness*	
							C _a [kN]	C _{0a} [kN]	C _{0a} [kN]	R _{nu, ar} [N/μm]	R _{nu, ar} [N/μm]	R _{nu, ar} [N/μm]
1516	5.40.3,5,3	5	40	3	3 + 3	3.5	17.7	23.8	38.2	41.5	670	750
	5.40.3,5,4	5	40	4	4 + 4	3.5	22.7	30.5	50.9	55.3	890	990
	5.40.3,5,5	5	40	5	5 + 5	3.5	27.5	36.9	63.6	69.1	1100	1230
	5.40.3,5,6	5	40	6	6 + 6	3.5	32.1	43.2	76.4	83.0	1310	1460
	6.40.4,4	6	40	4	4 + 4	4.0	26.7	35.8	56.1	61.0	880	980
	6.40.4,6	6	40	6	6 + 6	4.0	37.9	49.2	84.2	91.0	1300	1460
	8.40.5,4	8	40	4	4 + 4	5.0	35.8	47.5	68.2	74.2	870	960
	8.40.5,6	8	40	6	6 + 6	5.0	50.7	66.9	102.3	110.0	1280	1460
	10.40.6,3	10	40	3	3 + 3	6.0	35.2	46.4	59.6	64.9	640	710
	10.40.6,4	10	40	4	4 + 4	6.0	45.1	59.4	79.5	86.6	840	930
	10.40.7,5,3	10	40	3	3 + 3	7.5	46.1	60.4	71.3	77.8	630	700
	10.40.7,5,4	10	40	4	4 + 4	7.5	59.0	77.3	95.1	103.8	830	920
	10.40.7,5,5	10	40	5	5 + 5	7.5	71.5	94.2	118.9	128.0	1030	1160
	12.40.7,5,3	12	40	3	2 x 3	7.5	46.0	60.3	71.2	77.7	610	670
	12.40.7,5,4	12	40	4	4 + 4	7.5	58.9	77.3	95.0	103.0	810	900
	15.40.7,5,3	15	40	3	2 x 3	7.5	45.9	60.1	71.1	77.5	570	630
	15.40.7,5,4	15	40	4	4 + 4	7.5	58.7	77.3	94.8	102.0	760	840
	16.40.7,5,5	16	40	5	5 + 5	7.5	71.1	94.2	118.3	128.0	910	1000
	20.40.7,5,2	20	40	2	2 + 2	7.5	32.1	42.1	47.1	50.0	340	380
	20.40.7,5,3	20	40	3	3 + 3	7.5	45.5	60.1	70.7	77.0	500	560
20.40.7,5,4	20	40	4	4 + 4	7.5	58.3	77.3	94.2	102.0	670	740	
3526	20.40.6,3	20	40		3 + 3	6.0		43.4		62.5		670
	20.40.6,4	20	40		4 + 4	6.0		58.0		87.5		890
	20.40.7,5,3 N	20	40		3 + 3	7.5		55.7		73.4		650
	20.40.7,5,4 N	20	40		4 + 4	7.5		74.4		102.8		870
	25.40.6,3	25	40		3 + 3	6.0		43.1		62.1		600
	25.40.6,4	25	40		4 + 4	6.0		57.5		86.9		800
	25.40.7,5,3 N	25	40		3 + 3	7.5		57.5		77.5		620
	25.40.7,5,4 N	25	40		4 + 4	7.5		76.8		108.5		820
	30.40.6,3	30	40		3 + 3	6.0		42.6		61.6		540
	30.40.6,4	30	40		4 + 4	6.0		56.9		86.2		710
	40.40.6,3	40	40		3 + 3	6.0		41.5		60.3		420

* Actual stiffness at preload equal to 0.1 x C_a
N: Alternate sizes acc. to DIN 69051



View "A"

Shape A

Shape B

Shape C

Dimensions

Flanged nut with wipers both ends

	L_F [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA * [mm]	
1516	89	84	63	10	78	9	93	14	6	35.0	0	9
	99	94	63	10	78	9	93	14	6	35.0	0	9
	109	104	63	10	78	9	93	14	6	35.0	0	9
	125	114	63	10	78	9	93	14	6	35.0	0	9
	112	106	63	10	78	9	93	14	6	35.0	0	9
	137	63	10	78	9	93	14	6	35.0	0	9	
	142	134	63	10	78	9	93	14	7	35.0	0	9
	176	63	10	78	9	93	14	7	35.0	0	9	
	147	136	63	20	78	9	93	14	7	35.0	0	12
	167	157	63	20	78	9	93	14	7	35.0	0	12
	147	136	63	16	78	9	93	14	7	35.0	0	12
	167	157	63	16	78	9	93	14	7	35.0	0	12
	189	63	16	78	9	93	14	7	35.0	0	12	
	152	152	63	20	78	9	93	14	7	35.0	0	12
	177	63	20	78	9	93	14	7	35.0	0	12	
	180	180	63	16	78	9	93	14	7	35.0	0	12
	211	63	16	78	9	93	14	7	35.0	0	12	
	256	63	16	78	9	93	14	7	35.0	0	12	
153	63	16	78	9	93	14	7	35.0	0	12		
221	63	16	78	9	93	14	7	35.0	0	12		
263	63	16	78	9	93	14	7	35.0	0	12		
3526	89	63	20	78	9	93	14	7	35.0	0	12	
	109	63	20	78	9	93	14	7	35.0	0	12	
	90	70	25	85	9	100	14	7	37.5	0	12	
	110	70	25	85	9	100	14	7	37.5	0	12	
	107	63	16	78	9	93	14	7	35.0	5	22	
	132	63	16	78	9	93	14	7	35.0	5	22	
	104	70	25	85	9	100	14	7	37.5	5	22	
	129	70	25	85	9	100	14	7	37.5	5	22	
	121	63	16	78	9	93	14	7	35.0	5	22	
	151	63	16	78	9	93	14	7	35.0	5	22	
	148	63	16	78	9	93	14	7	35.0	5	22	

LA *: Additional nut length at each end when using combination wipers

Positioning ball screws 16 - 125 mm

NOMINAL DIAMETER 50 mm

Double nut, 2-point contact
Execution grade P0 – P5



■ **Series 1516:**
DIN standard flanged nut
with UNILOCK preload

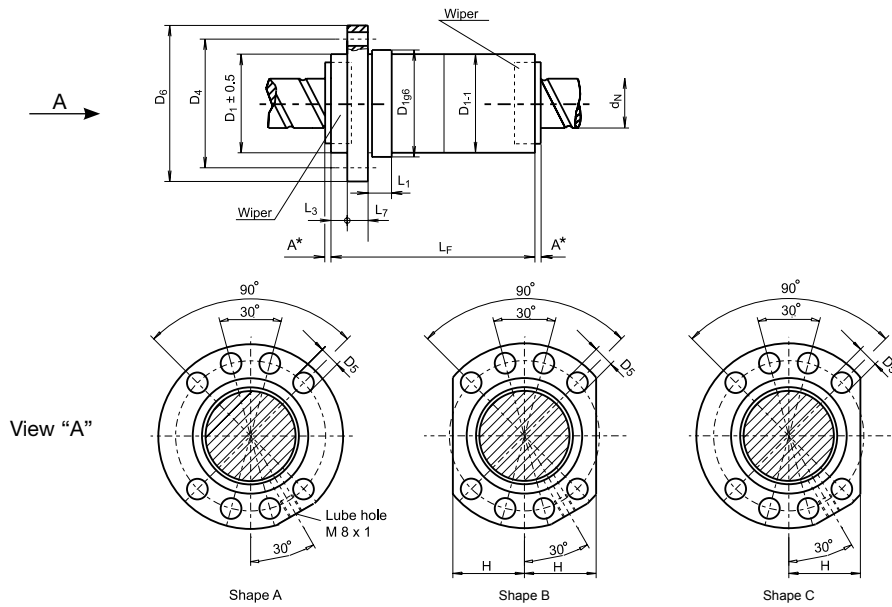


■ **Series 3526:**
UltraSpeed nut with flange, dual start,
pitch offset preload

**HIGH
ETA⁺
PERFORMANCE**

Technical data												
	Nut type	Lead P [mm]	Nominal diameter d _N [mm]	No. of circuits i 2x	Ball diameter d _w [mm]	Dyn. load rating C _a [kN]		Stat. load rating C _{0a} [kN]		Stiffness* R _{nu, ar} [N/μm]		
						ETA ⁺	ETA ⁺	ETA ⁺	ETA ⁺			
1516	5.50.3,5.3	5	50	3	3.5	19.6		48.9		810		
	5.50.3,5.4	5	50	4	4 + 4	25.1	34.0	65.2	70.8	1070	1190	
	5.50.3,5.5	5	50	5	5 + 5	30.4	41.2	81.5	88.5	1320	1470	
	5.50.3,5.6	5	50	6	6 + 6	35.6	48.2	97.8	106.3	1570	1760	
	10.50.7,5.3	10	50	3	3 + 3	52.7	69.5	92.3	101.5	810	890	
	10.50.7,5.4	10	50	4	4 + 4	67.4	89.0	124.3	135.4	1060	1180	
	10.50.7,5.5	10	50	5		81.7		155.4		1310		
	15.50.7,5.3	15	50	3		52.5		93.0		760		
	15.50.7,5.4	15	50	4		67.2		124.0		990		
	15.50.7,5.5	15	50	5		81.4		155.0		1230		
	15.50.9.3	15	50	3	2 x 3	77.2	99.2	130.4	142.2	850	890	
	15.50.9.3 N	15	50	3	2 x 3	77.2	99.2	130.4	142.2	850	890	
	15.50.9.4 N	15	50	4		98.8		173.9		1120		
	15.50.9.5 N	15	50	5		119.7		217.4		1380		
	20.50.9.3	20	50	3	2 x 3	76.8	98.7	130.0	141.7	780	810	
	20.50.9.4	20	50	4		98.4		173.3		1020		
	20.50.9.3 N	20	50	3		76.8		130.0		780		
	20.50.9.4 N	20	50	4		98.4		173.3		1020		
3526	20.50.7,5.4 N	20	50		4 + 4		87.2		137.4		1180	
	25.50.7,5.4 N	25	50		4 + 4		86.7		136.8		1090	
	30.50.6.4	30	50		4 + 4		63.9		108.9		980	
	30.50.7,5.3 N	30	50		3 + 3		64.5		97.2		750	
	30.50.7,5.4 N	30	50		4 + 4		86.1		136.0		1010	
	35.50.7,5.3 N	35	50		3 + 3		63.9		96.6		690	
	35.50.7,5.4 N	35	50		4 + 4		85.4		135.2		920	
	40.50.7,5.3 N	40	50		3 + 3		63.3		95.9		630	

* Actual stiffness at preload equal to 0.1 x C_a



View "A"



Dimensions

Flanged nut with wipers both ends

	L_F [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA * [mm]	
1516	91	75	10	93	11	110	16	6	42.5	0	9	
	101	93	75	10	93	11	110	16	42.5	0	9	
	111	103	75	10	93	11	110	16	42.5	0	9	
	122	113	75	10	93	11	110	16	42.5	0	9	
	148	138	75	16	93	11	110	16	42.5	0	12	
	169	159	75	16	93	11	110	16	42.5	0	12	
	191		75	16	93	11	110	16	42.5	0	12	
	182		75	16	93	11	110	16	42.5	0	12	
	213		75	16	93	11	110	16	42.5	0	12	
	262		75	16	93	11	110	16	42.5	0	12	
	187	187	75	16	93	11	110	16	7	42.5	0	12
	199	199	82	25	100	11	118	16	7	46.0	0	12
234		82	25	100	11	118	16	7	46.0	0	12	
267		82	25	100	11	118	16	7	46.0	0	12	
229	229	75	16	93	11	110	16	7	42.5	0	12	
271		75	16	93	11	110	16	7	42.5	0	12	
229	229	82	25	100	11	118	16	7	46.0	0	12	
271		82	25	100	11	118	16	7	46.0	0	12	
3526	111	82	25	100	11	118	16	7	46.0	0	12	
	130	82	25	100	11	118	16	7	46.0	5	22	
	152	75	16	93	11	110	16	7	42.5	5	22	
	120	82	25	100	11	118	16	7	46.0	5	22	
	150	82	25	100	11	118	16	7	46.0	5	22	
	135	82	25	100	11	118	16	7	46.0	5	22	
	170	82	25	100	11	118	16	7	46.0	5	22	
149	82	25	100	11	118	16	7	46.0	5	22		

LA *: Additional nut length at each end when using combination wipers

Positioning ball screws 16 - 125 mm

NOMINAL DIAMETER 60 – 63 mm

Double nut, 2-point contact
Execution grade P0 – P5



■ **Series 1516:**
DIN standard flanged nut
with UNILOCK preload

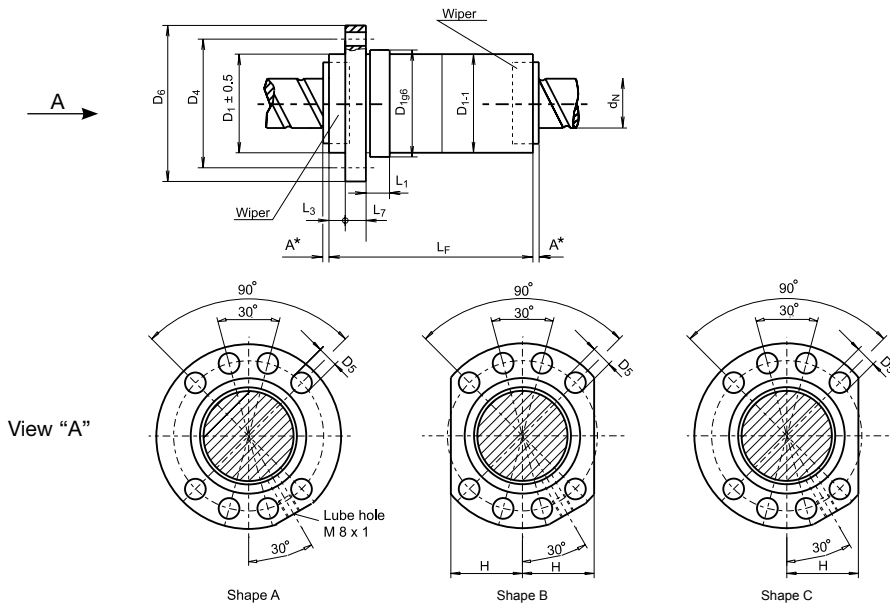


■ **Series 3526:**
UltraSpeed nut with flange, dual start,
pitch offset preload

HIGH
ETA⁺
PERFORMANCE

Technical data												
	Nut type	Lead P [mm]	Nominal diameter d _N [mm]	No. of circuits i 2x		Ball diameter d _w [mm]	Dyn. load rating C _a [kN]		Stat. load rating C _{0a} [kN]		Stiffness* R _{nu, ar} [N/μm]	
							ETA ⁺		ETA ⁺		ETA ⁺	
3526	25.60.9.3	25	60		3 + 3	9.0	ETA ⁺		ETA ⁺		ETA ⁺	
	25.60.9.4						107.4		179.0		1160	
	30.60.9.3	30	60		3 + 3	9.0	143.4		250.5		1560	
	30.60.9.4						106.8		178.3		1090	
	35.60.9.3	35	60		3 + 3	9.0	142.7		249.6		1460	
	40.60.9.2						106.2		177.5		1020	
	40.60.9.3	40	60		2 + 2	9.0	68.0		106.0		620	
	40.60.9.3						105.5		176.6		950	
1516	20.63.7.5.4	20	63		4 + 4	7.5	97.0		172.5		1500	
	5.63.3.5.4						84.3		1260			
	5.63.3.5.5	5	63	4		3.5	27.8		84.3		1260	
	5.63.3.5.6						33.7		105.4		1560	
	10.63.7.5.3	10	63	3	3 + 3	7.5	39.5		126.5		1870	
	10.63.7.5.4						59.2		120.7		131.3	
	10.63.7.5.5	10	63	4	4 + 4	7.5	78.8		131.3		1000	
	10.63.7.5.6						100.7		175.0		1310	
	15.63.9.4	15	63	4	2 x 4	9.0	91.8		201.1		1620	
	20.63.11.3						122.0		218.8		1620	
	20.63.11.4	20	63	3	2 x 3	11.0	107.4		241.3		1930	
	20.63.11.5						116.7		239.9		261.2	
	30.63.11.3	30	63	4	2 x 4	11.0	115.3		209.1		1070	
30.63.11.3	148.3						228.0		1120			
	20	63	4	2 x 4	11.0	147.7		278.8		1410		
						179.0		348.5		1740		
	20	63	5	2 x 5	11.0	230.1		379.9		1830		
						114.4		207.8		920		

* Actual stiffness at preload equal to 0.1 x C_a



View "A"



Dimensions

Flanged nut with wipers both ends

L_F [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA * [mm]		
3526	106	95	25	115	13.5	135	20	7	50.0	5	22	
	131	95	25	115	13.5	135	20	7	50.0	5	22	
	121	95	25	115	13.5	135	20	7	50.0	5	22	
	151	95	25	115	13.5	135	20	7	50.0	5	22	
	135	95	25	115	13.5	135	20	7	50.0	5	22	
	110	95	25	115	13.5	135	20	7	50.0	5	22	
	150	95	25	115	13.5	135	20	7	50.0	5	22	
1516	111	95	25	115	13.5	135	20	7	50.0	0	0	
	103	90	10	108	11.0	125	18	6	47.5	0	9	
	113	90	10	108	11.0	125	18	6	47.5	0	9	
	124	90	10	108	11.0	125	18	6	47.5	0	9	
	151	141	90	16	108	11.0	125	18	7	47.5	0	12
	172	162	90	16	108	11.0	125	18	7	47.5	0	12
	192	182	90	16	108	11.0	125	18	7	47.5	0	12
	214	90	16	108	11.0	125	18	7	47.5	0	12	
	239	239	95	25	115	13.5	135	20	7	50.0	0	12
	237	237	95	25	115	13.5	135	20	7	50.0	0	12
	277	277	95	25	115	13.5	135	20	7	50.0	0	12
	319	319	95	25	115	13.5	135	20	7	50.0	0	12
324	95	25	115	13.5	135	20	7	50.0	5	22		

LA *: Additional nut length at each end when using combination wipers

Positioning ball screws 16 - 125 mm

NOMINAL DIAMETER 80 mm

Double nut, 2-point contact
Execution grade P0 – P5



■ **Series 1516:**
DIN standard flanged nut
with UNILOCK preload

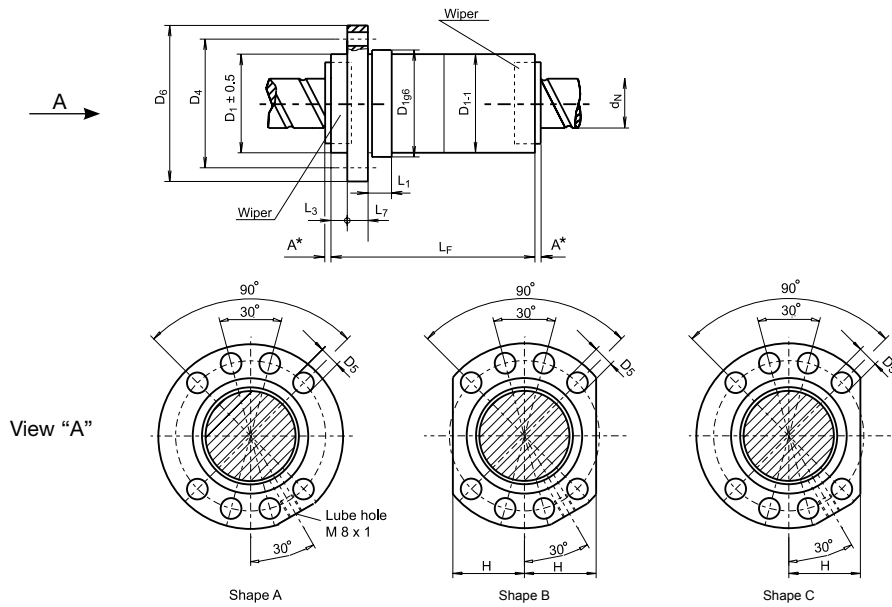


■ **Series 3526:**
UltraSpeed nut with flange, dual start,
pitch offset preload

HIGH
ETA⁺
PERFORMANCE

Technical data												
	Nut type	Lead P [mm]	Nominal diameter d _N [mm]	No. of circuits i 2x	Ball diameter d _w [mm]	Dyn. load rating		Stat. load rating		Stiffness*		
						C _a [kN]		C _{0a} [kN]		R _{nu, ar} [N/μm]		
1516	5.80.3,5,3	5	80	3	3.5	23.9		81.2		1080		
	5.80.3,5,4	5	80	4	3.5	30.6		108.2		1430		
	5.80.3,5,5	5	80	5	3.5	37.1		135.3		1770		
	5.80.3,5,6	5	80	6	3.5	43.4		162.4		2110		
	10.80.7,5,3	10	80	3	3 + 3	68.2	91.4	164.3	178.6	1230	1370	
	10.80.7,5,4	10	80	4	2 x 4	87.3	117.1	219.1	238.1	1620	1810	
	10.80.7,5,5	10	80	5	2 x 5	105.8	141.8	273.8	297.6	2000	2240	
	10.80.7,5,6	10	80	6		123.8		328.6		2390		
	15.80.11,3	15	80	3		134.4		283.9		1490		
	15.80.11,4	15	80	4		172.2		378.5		1960		
	15.80.11,5	15	80	5	2 x 5	208.6	268.8	473.1	515.0	2430	2570	
	15.80.11,6	15	80	6		224.0		567.7		2890		
	20.80.11,3	20	80	3		134.2		283.5		1440		
	20.80.11,4	20	80	4	2 x 4	171.9	221.5	377.9	411.5	1900	2000	
	20.80.11,5	20	80	5		208.2		472.4		2350		
	20.80.11,6	20	80	6	2 x 6	243.6	313.9	566.9	617.2	2800	2950	
	25.80.11,3	25	80	3	2 x 3	133.9	172.5	283.0	308.0	1380	1450	
	25.80.11,5	25	80	5	5 + 5	204.6	267.7	471.6	513.4	2240	2360	
	30.80.11,3	30	80	3		133.5		282.4		1300		
3526	30.80.11,3	30	80		3 + 3		161.4		294.6		1450	
	30.80.11,4	30	80		4 + 4		215.6		412.4		1940	
	30.80.11,5	30	80		5 + 5		267.6		530.2		2420	
	40.80.11,2	40	80		2 + 2		103.3		175.8		940	
	40.80.11,3	40	80		3 + 3		160.3		293.0		1320	

* Actual stiffness at preload equal to 0.1 x C_a



Dimensions

Flanged nut with wipers both ends

	L_f [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA * [mm]	
1516	94	105	16	125	13.5	145	20	7	55.0	0	9	
	104	105	16	125	13.5	145	20	7	55.0	0	9	
	114	105	16	125	13.5	145	20	7	55.0	0	9	
	127	105	16	125	13.5	145	20	7	55.0	0	9	
	153	143	105	16	125	13.5	145	20	7	55.0	0	12
	174	174	105	16	125	13.5	145	20	7	55.0	0	12
	194	194	105	16	125	13.5	145	20	7	55.0	0	12
	215	105	16	125	13.5	145	20	7	55.0	0	12	
		211	125	25	145	13.5	165	25	7	65.0	0	12
243		125	25	145	13.5	165	25	7	65.0	0	12	
274		274	125	25	145	13.5	165	25	7	65.0	0	12
304		125	25	145	13.5	165	25	7	65.0	0	12	
	243	125	25	145	13.5	165	25	7	65.0	0	12	
	284	284	125	25	145	13.5	165	25	7	65.0	0	12
	346	125	25	145	13.5	165	25	7	65.0	0	12	
	386	386	125	25	145	13.5	165	25	7	65.0	0	12
	302	302	125	25	145	13.5	165	25	7	65.0	5	22
	430	430	125	25	145	13.5	165	25	7	65.0	5	22
	340	125	25	145	13.5	165	25	7	65.0	5	22	
3526	124	125	25	145	13.5	165	25	7	65.0	5	22	
	154	125	25	145	13.5	165	25	7	65.0	5	22	
	184	125	25	145	13.5	165	25	7	65.0	5	22	
	114	125	25	145	13.5	165	25	7	65.0	5	24	
	154	125	25	145	13.5	165	25	7	65.0	5	24	

LA *: Additional nut length at each end when using combination wipers

Positioning ball screws 16 - 125 mm

NOMINAL DIAMETER 100 – 125 mm

Double nut, 2-point contact
Execution grade P0 – P5



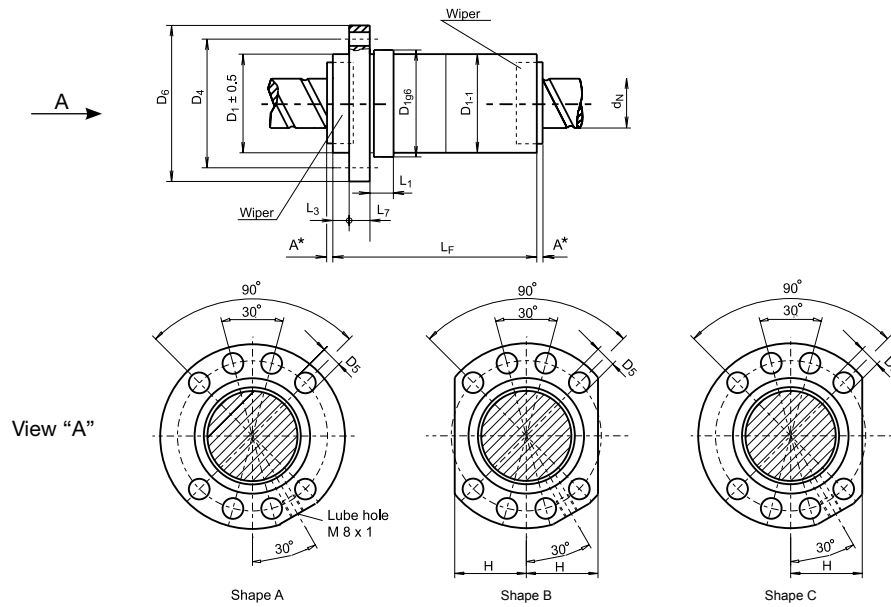
■ **Series 1516:**
DIN standard flanged nut
with UNILOCK preload



■ **Series 3526:**
UltraSpeed nut with flange, dual start,
pitch offset preload

Technical data											
	Nut type	Lead P [mm]	Nominal diameter d _N [mm]	No. of circuits i 2x	Ball diameter d _w [mm]	Dyn. load rating C _a [kN]	Stat. load rating C _{0a} [kN]	Stiffness*			
								R _{nu, ar} [N/μm]			
1516	10.100.7,5.3	10	100	3	7.5	75.0	208.2	1410			
	10.100.7,5.4	10	100	4	7.5	96.0	277.6	1860			
	10.100.7,5.5	10	100	5	7.5	116.3	347.0	2300			
	10.100.7,5.6	10	100	6	7.5	136.1	416.4	2740			
	15.100.11.3	15	100	3	11.0	152.5	373.2	1860			
	15.100.11.4	15	100	4	11.0	195.3	497.6	2450			
	15.100.11.5	15	100	5	11.0	236.7	622.0	3040			
	15.100.11.6	15	100	6	11.0	276.8	746.4	3610			
	20.100.11.3	20	100	3	11.0	152.4	372.9	1840			
	20.100.11.4	20	100	4	11.0	195.1	497.1	2420			
	20.100.11.5	20	100	5	11.0	236.4	621.4	3000			
	20.100.11.6	20	100	6	11.0	276.5	745.7	3560			
	25.100.11.3	25	100	3	11.0	152.1	372.4	1790			
3526	30.100.11.4	30	100		11.0		235.4	508.2	2400		
	30.100.11.5	30	100	4 + 4	11.0		292.2	653.4	2990		
	30.100.11.6	30	100	5 + 5	11.0		347.3	798.6	3580		
	40.100.11.2	40	100	6 + 6	11.0						
	40.100.11.2	40	100	2 + 2	11.0		113.1	217.0	1190		
	40.100.11.3	40	100	3 + 3	11.0		175.5	361.7	1680		
1516	10.125.7,5.4	10	125	4	7.5	105.1	350.8	2040			
	20.125.12,7.6	20	125	6	12.7	369.5	1074.7	4250			
	20.125.12,7.8	20	125	8	12.7	473.2	1433.0	5610			

* Actual stiffness at preload equal to 0.1 x C_a



Dimensions

Flanged nut with wipers both ends

	L_F [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA * [mm]
1516	154	125	16	145	13.5	165	22	7	65.0	0	12
	175	125	16	145	13.5	165	22	7	65.0	0	12
	195	125	16	145	13.5	165	22	7	65.0	0	12
	216	125	16	145	13.5	165	22	7	65.0	0	12
	217	150	25	176	17.5	202	30	7	77.5	0	12
	249	150	25	176	17.5	202	30	7	77.5	0	12
	279	150	25	176	17.5	202	30	7	77.5	0	12
	310	150	25	176	17.5	202	30	7	77.5	0	12
		247	150	25	176	17.5	202	30	7	77.5	0
288		150	25	176	17.5	202	30	7	77.5	0	12
329		150	25	176	17.5	202	30	7	77.5	0	12
396		150	25	176	17.5	202	30	7	77.5	0	12
302		150	25	176	17.5	202	30	7	77.5	5	22
3526	155	150	25	176	17.5	202	30	7	77.5	5	22
	185	150	25	176	17.5	202	30	7	77.5	5	22
	215	150	25	176	17.5	202	30	7	77.5	5	22
	128	150	25	176	17.5	202	30	7	77.5	5	22
168	150	25	176	17.5	202	30	7	77.5	5	22	
1516	239	150	10	176	17.5	202	25	7	77.5	0	12
	397	170	25	196	17.5	222	30	7	87.5	0	12
	484	170	25	196	17.5	222	30	7	87.5	0	12

LA *: Additional nut length at each end when using combination wipers

NOMINAL DIAMETER 16 – 20 mm

Single nut with backlash
Execution grade T7 – T10

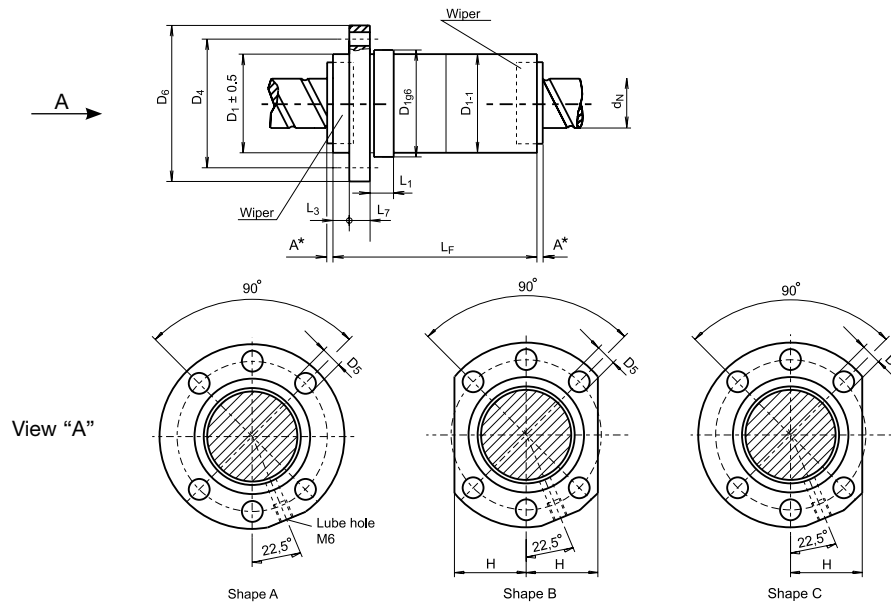


■ **Series 1436:**
DIN standard flanged nut



■ **Series 2446:**
End cap nut with flange, dual start

Technical data								
	Nut type	Lead P [mm]	Nominal diameter d _N [mm]	No. of circuits i	Ball diameter d _w [mm]	Dyn. load rating C _a [kN]	Stat. load rating C _{0a} [kN]	Backlash max. [mm]
1436	2.16.1,5.3	2	16	3	1.5	2.6	4.4	0.02
	2.16.1,5.4	2	16	4	1.5	3.4	5.9	0.02
	4.16.3.3	4	16	3	3.0	8.0	10.3	0.03
	4.16.3.4	4	16	4	3.0	10.3	13.7	0.03
	5.16.3,5.3	5	16	3	3.5	9.1	10.9	0.04
	5.16.3,5.4	5	16	4	3.5	11.7	14.5	0.04
2446	10.16.3,5.6	10	16	3 + 3	3.5	17.7	25.0	0.04
	10.16.3,5.8	10	16	4 + 4	3.5	23.1	34.0	0.04
	10.16.3,5.10	10	16	5 + 5	3.5	28.3	43.1	0.04
1436	2.20.1,5.2	2	20	2	1.5	2.1	3.7	0.02
	2.20.1,5.3	2	20	3	1.5	3.0	5.6	0.02
	2.20.1,5.4	2	20	4	1.5	3.8	7.4	0.02
	2.20.1,5.5	2	20	5	1.5	4.6	9.3	0.02
	4.20.3.2	4	20	2	3.0	6.5	9.0	0.03
	4.20.3.3	4	20	3	3.0	9.2	13.5	0.03
	4.20.3.4	4	20	4	3.0	11.7	17.9	0.03
	5.20.3,5.2	5	20	2	3.5	7.7	10.1	0.04
	5.20.3,5.3	5	20	3	3.5	11.0	15.1	0.04
	5.20.3,5.4	5	20	4	3.5	14.0	20.1	0.04
	10.20.3,5.2	10	20	2	3.5	7.7	10.0	0.04
	10.20.3,5.3	10	20	3	3.5	10.8	15.0	0.04
2446	10.20.3,5.10	10	20	5 + 5	3.5	32.8	51.0	0.04
	20.20.3,5.4	20	20	2 + 2	3.5	13.2	18.2	0.04
	20.20.3,5.6	20	20	3 + 3	3.5	19.5	28.5	0.04



Dimensions

Flanged nut with wipers both ends

	L _F [mm]	D ₁ g6 [mm]	L ₁ [mm]	D ₄ [mm]	D ₅ [mm]	D ₆ [mm]	L ₇ [mm]	L ₃ [mm]	H [mm]	A [mm]	LA* [mm]
1436	39	28	10	38	5.5	48	10	6	20	0	9
	43	28	10	38	5.5	48	10	6	20	0	9
	49	28	10	38	5.5	48	10	6	20	0	9
	53	28	10	38	5.5	48	10	6	20	0	9
2446	54	28	10	38	5.5	48	10	6	20	0	9
	59	28	10	38	5.5	48	10	6	20	0	9
	44	32	16	42	5.5	52	10	12	20	0	-
2446	54	32	16	42	5.5	52	10	12	20	0	-
	64	32	16	42	5.5	52	10	12	20	0	-
	1436	43	36	16	47	6.6	58	10	6	22	0
48		36	10	47	6.6	58	10	6	22	0	9
52		36	10	47	6.6	58	10	6	22	0	9
56		36	10	47	6.6	58	10	6	22	0	9
	43	36	10	47	6.6	58	10	6	22	0	9
	49	36	10	47	6.6	58	10	6	22	0	9
	53	36	10	47	6.6	58	10	6	22	0	9
	48	36	10	47	6.6	58	10	6	22	0	9
	55	36	10	47	6.6	58	10	6	22	0	9
	60	36	10	47	6.6	58	10	6	22	0	9
	62	36	16	47	6.6	58	10	7	22	0	12
2446	76	36	16	47	6.6	58	10	7	22	0	12
	69	36	16	47	6.6	58	10	7	22	0	-
	57	36	16	47	6.6	58	10	7	22	0	-
	77	36	16	47	6.6	58	10	7	22	0	-

LA *: Additional nut length at each end when using combination wipers

NOMINAL DIAMETER 25 – 32 mm

Single nut with backlash
Execution grade T7 – T10

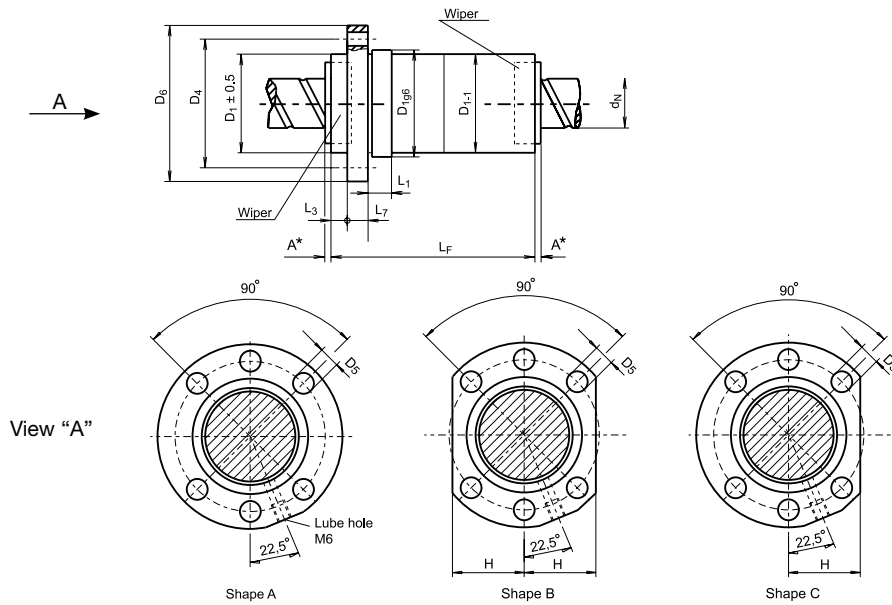


■ **Series 1436:**
DIN standard flanged nut



■ **Series 2446:**
End cap nut with flange, dual start

Technical data									
	Nut type	Lead P [mm]	Nominal diameter d _N [mm]	No. of circuits i	Ball diameter d _w [mm]	Dyn. load rating C _a [kN]	Stat. load rating C _{0a} [kN]	Backlash max. [mm]	
1436	2.25.1,5,3	2	25	3	1.5	3.2	7.0	0.02	
	2.25.1,5,4	2	25	4	1.5	4.1	9.4	0.02	
	2.25.1,5,5	2	25	5	1.5	5.0	11.7	0.02	
	4.25.3,3	4	25	3	3.0	10.3	17.4	0.03	
	4.25.3,4	4	25	4	3.0	13.2	23.2	0.03	
	5.25.3,5,3	5	25	3	3.5	12.3	19.4	0.04	
	5.25.3,5,4	5	25	4	3.5	15.8	25.9	0.04	
	5.25.3,5,5	5	25	5	3.5	19.1	32.3	0.04	
	10.25.3,5,2	10	25	2	3.5	8.7	12.9	0.04	
	10.25.3,5,3	10	25	3	3.5	12.3	19.3	0.04	
	15.25.3,5,2	15	25	2	3.5	8.5	12.8	0.04	
	15.25.3,5,3	15	25	3	3.5	12.1	19.1	0.04	
	2446	20.25.3,5,4	20	25	2 + 2	3.5	15.4	23.9	0.04
		20.25.3,5,6	20	25	3 + 3	3.5	22.7	37.6	0.04
		25.25.3,5,4	25	25	2 + 2	3.5	15.0	23.6	0.04
1436	5.32.3,5,3	5	32	3	3.5	14.4	26.9	0.04	
	5.32.3,5,4	5	32	4	3.5	18.5	35.8	0.04	
	5.32.3,5,5	5	32	5	3.5	22.3	44.8	0.04	
	5.32.3,5,6	5	32	6	3.5	26.1	53.7	0.04	
	6.32.4,3	6	32	3	4.0	16.9	29.5	0.04	
	6.32.4,4	6	32	4	4.0	21.6	39.3	0.04	
	8.32.5,4	8	32	4	5.0	28.4	46.8	0.05	
	8.32.5,6	8	32	6	5.0	40.2	70.2	0.05	
	10.32.6,3	10	32	3	6.0	27.8	41.1	0.06	
	10.32.6,4	10	32	4	6.0	35.5	54.7	0.06	
	10.32.6,5	10	32	5	6.0	43.0	68.4	0.06	
	12.32.5,3	12	32	3	5.0	22.1	31.5	0.05	



Dimensions

Flanged nut with wipers both ends

	L_F [mm]	D_1 g6 [mm]	L_1 [mm]	D_4 [mm]	D_5 [mm]	D_6 [mm]	L_7 [mm]	L_3 [mm]	H [mm]	A [mm]	LA * [mm]
1436	43	40	10	51	6.6	62	10	6	24	0	9
	51	40	10	51	6.6	62	10	6	24	0	9
	56	40	10	51	6.6	62	10	6	24	0	9
	49	40	10	51	6.6	62	10	6	24	0	9
	53	40	10	51	6.6	62	10	6	24	0	9
	55	40	10	51	6.6	62	10	6	24	0	9
	60	40	10	51	6.6	62	10	6	24	0	9
	66	40	10	51	6.6	62	10	6	24	0	9
	64	40	16	51	6.6	62	10	7	24	0	12
	78	40	16	51	6.6	62	10	7	24	0	12
2446	71	40	16	51	6.6	62	10	7	24	0	12
	92	40	16	51	6.6	62	10	7	24	0	12
	57	40	16	51	6.6	62	10	7	24	0	-
	77	40	16	51	6.6	62	10	7	24	0	-
	66	40	16	51	6.6	62	10	7	24	5	-
	1436	57	50	10	65	9.0	80	12	6	31	0
62		50	10	65	9.0	80	12	6	31	0	9
67		50	10	65	9.0	80	12	6	31	0	9
73		50	10	65	9.0	80	12	6	31	0	9
61		50	10	65	9.0	80	12	6	31	0	9
68		50	10	65	9.0	80	12	6	31	0	9
84		50	10	65	9.0	80	12	6	31	0	12
102		50	16	65	9.0	80	12	7	31	0	12
84		50	16	65	9.0	80	12	7	31	0	12
95		50	16	65	9.0	80	12	7	31	0	12
107		50	16	65	9.0	80	12	7	31	0	12
94		50	16	65	9.0	80	12	7	31	0	12

LA *: Additional nut length at each end when using combination wipers