

NEW

Miniature Ball Screws

High-precision

Material:
Stainless steel

Series ED...X / V...X

		ED 410X V 404X	ED 513X V 501X	ED 616X V 601X	ED 822X V 801X	ED 1028X V 1001X	
Nut	D	10	13	16	22	28	mm
	B	10	12	14	18	22	mm
Ø balls		0,794	1,000	1,191	1,588	2,000	mm
Screw	d1	4,25	5,8	7,4	10,5	13,6	mm
	P	1,0	1,25	1,5	2,0	2,5	mm
	d2	3	4	6	8	10	mm
	L	70	100	140	190	260	mm
Axial load ratings	L1	50	75	110	150	210	mm
	Ca	439	671	968	1659	2544	N
- static	Coa	178	299	471	879	1396	N

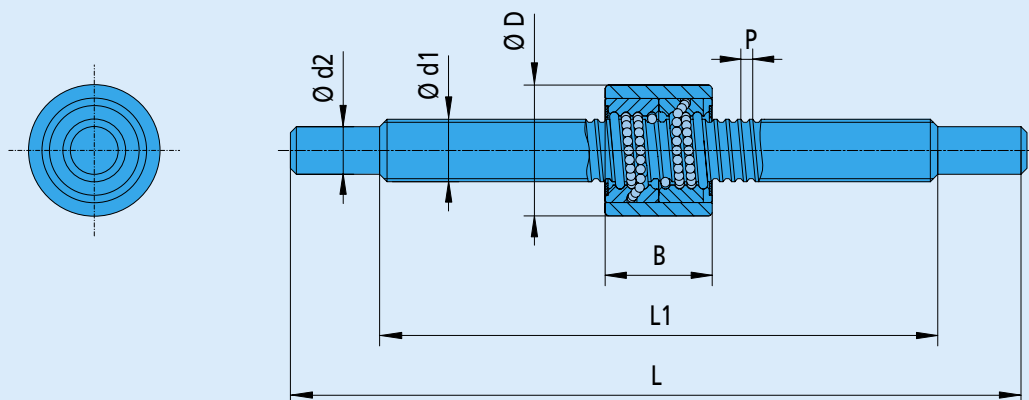
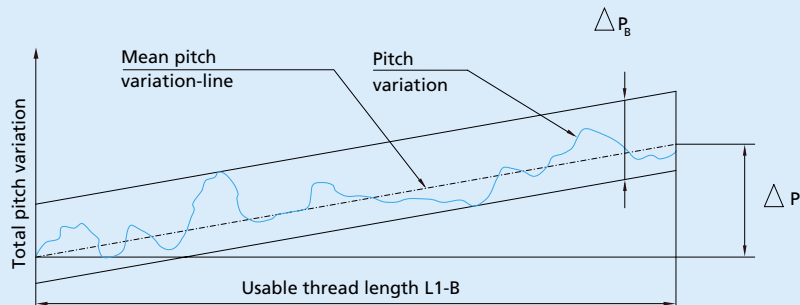
Technical data

Tolerance of outside diameter of nut	D	0	0	0	0	0	µm
		-6	-6	-6	-9	-9	µm
Tolerance of the bearing shaft diameter	d2	0	0	0	0	0	µm
		-8	-8	-8	-8	-8	µm
max. pitch variation per L1*	ΔP_{L1}	5	5	5	5	5	µm
max. band with	ΔP_B	5	5	5	5	5	µm
max. eccentricity of the nut on the screw		10	10	12	14	16	µm
Average efficiency		80 – 85	80 – 87	80 – 89	81 – 91	83 – 92	%
Standard axial play		0 – 5	0 – 5	0 – 5	0 – 5	0 – 5	µm
Zero backlash		on request					

* Above are standard specifications. The precision can be increased on request.

Special executions are available on request.

Note: The nut must not be removed from the shaft.



Specifications subject to change without notice.