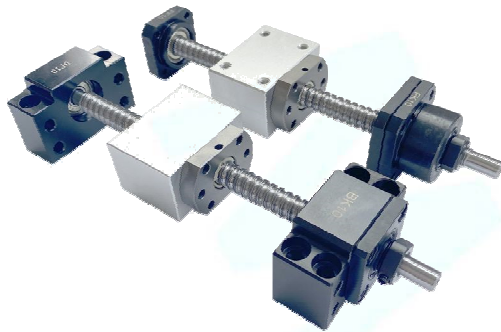


SFU XXXX

Ball Screw Spindles



Bearing and Nut Holder not included

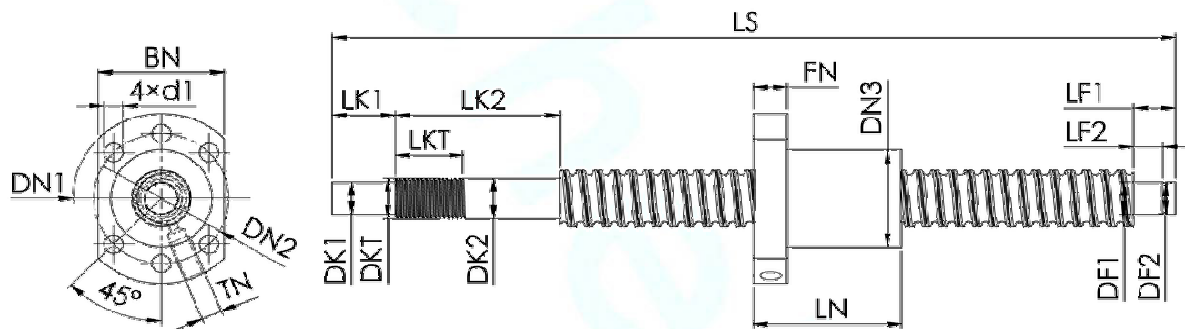
1. Features

- Rolled ball screws with machined ends suitable for fixed bearings BK, FK and for floating bearings BF, FF
- Low backlash due to medium preload
- Precision Class: C7
- Material Spindle: 1.1219 (C56E2; S55C)
- Material Ball Nut: 20CrMo
- Nitrile Butadiene Rubber wiper (NBR) for good sealing and wiping properties

2. Description

Ball screws for linear drives, e.g. for CNC machines. The nut is backlash-free due to a medium preload. Ends are pre-machined to fit fixed bearing (BK and FK series) and floating bearing (BF and FF series).

3. Technical Data



Ca: Dynamic Load Rating (kN); Coa: Static Load Rating (kN); K: Stiffness (N/μm)

Item	Nut								Fixed End						Floating End				Tragzahlen		
	BN	FN	LN	DN1	DN2	DN3	TN	d1	DK1	DK2	DKT	LK1	LK2	LKT	DF1	DF2	LF1	LF2	Ca	Coa	K
SFU1204	30	8	35	42	32	24	M5	4,5	8	10	M10x1	15	39	16	8	7,6	10	7	5,8	11,0	122
SFU1605	40	10	50	48	38	28	M6	5,5	10	12	M12x1	15	39	15	10	9,6	11	8	7,6	17,5	196
SFU1610			57																7,0	12,2	147
SFU2005	44	10	51	58	47	36	M6	6,6	10	15	M15x1	20	40	12	15	14,3	13	9	11,0	23,3	245
SFU2010			60																7,6	20,1	470
Tolerances	+0,15 -0,15	+0,1 -0,1	+0,15 -0,15	+0,15 -0,15	+0,15 -0,15	+0,1 -0,1	6g	+0,05 -0,05	h6	g5	/	+0,1 -0,1	+0,1 -0,1	+0,5 -0,0	g5	+0 -0,11	+0,1 -0,1	+0,1 -0	-		

- Length LS: According to ordered size
- SFU1204: Ø12mm × Pitch 4mm: Art.No.:1001-204-xxxx suitable for BK10;FK10 and BF10;FF10
- SFU1605: Ø16mm × Pitch 5mm: Art.No.:1001-605-xxxx suitable for BK12;FK12 and BF12;FF12
- SFU1610: Ø16mm × Pitch 10mm: Art.No.:1001-610-xxxx suitable for BK12;FK12 and BF12;FF12
- SFU2005: Ø20mm × Pitch 5mm: Art.No.:1002-005-xxxx suitable for BK15;FK15 and BF15;FF15
- SFU2010: Ø20mm × Pitch 10mm: Art.No.:1002-010-xxxx suitable for BK15;FK15 and BF15;FF15

4. Scope of delivery

- Ball screw with machined ends, suitable for fixed bearings BK, FK and for floating bearings BF, FF
- Ball nut; pre-assembled
- Square nut for clamping in the fixed bearing
- Circlip for mounting in the floating bearing.
- Spindle nut withdrawal sleeve optional
- Grease Nipple:
 - ♦ SFU12xx: M5, Nickel-plated Brass, straight
 - ♦ SFU16xx and SFU20xx: M6, Nickel-plated Steel, 45°