



Ball Splines

–Standard Type / One End Stepped Type–

CAD Data



Standard Type	1.3505/100Cr6 58HRC~		1.4125/ X105CrMo17 55HRC~	
	Nut 1 pc.	Nut 2 pcs.	Nut 1 pc.	
Straight Nut	BESKS-BASKS	BE2SKS-BA2SKS	BESKSS-BASKSS	
Round Flange Nut	BESKF-BASKF	BE2SKF-BA2SKF	BESKFS-BASKFS	
2-Flats Nut	BESKT-BASKT	BE2SKT-BA2SKT	-	

One End Stepped Type	1.3505/100Cr6 58HRC~	
	Nut 1 pc.	Nut 2 pc.
Straight Nut	BASAS	BA2SAS
Round Flange Nut	BASAF	BA2SAF

Ⓜ Precision Ⓜ P.287 Ⓜ Detailed Dimension of Attached Nuts Ⓜ P.288 Ⓜ Induction hardened for the part D

Part Number	L Selection	D
BESKS BESKSS	150* 200* 300 400	6 (6)
BESKF BESKFS	150* 200* 300 400 500	8 (8)
BESKT	200* 300* 400 500 600	10 (10.4)
BE2SKS	200* 300* 400 500 600	13 (13.4)
BE2SKF	200* 300* 400 500 600	16 (16.6)
BE2SKT	200* 300* 400 500 600	16 (16.6)

* The values of L dimension for the stainless steel are marked with *.
* No BESKT and BE2SKT for No. 13 or 16.

Part Number	L 1mm Increment	D
BASKS BA2SKS	4 60~300	4
BASKS BASKSS	6 60~400 (200)	6 (6)
BASKF BASKFS	8 60~500 (200)	8 (8)
BASKT	10 60~600 (350)	10 (10.4)
BA2SKS	13 60~600 (350)	13 (13.4)
BA2SKF	16 70~600 (350)	16 (16.6)
BA2SKT	16 70~600 (350)	16 (16.6)

* No. 4 for BASKS BA2SKS only * No BASKT-BA2SKT for No.13 or 16.
* Max. L dimension of BASKSS and BASKFS is ().

Part Number	No.	1 mm Increment		D	d
		L	F		
BASAS BA2SAS (With Straight Nut)	20	80~ 650	0~150	18.2	15
	25	90~ 850		23	20
BASAF BA2SAF (With Round Flange Nut)	30	100~1150		28	25
	40	120~1150		37.4	30

* 2-Nut Type (BA2SAS, BA2SAF) with Y dimension (L-F dim.) below minimum is not applicable.

Order Example: Part Number - L - F
 BASKS6 - 170
 BASAS25 - 790 - F120

Days to Ship: 10 Days
 Please request quotation for 5 or more.

Price Alterations: Part Number - L - F - (SC-MC)
 BASAS25 - 790 - F120 - SC10

Alterations: Part Number - L - F - (SC-MC)
 BASAS25 - 790 - F120 - SC10
 *Applicable to BASAS, BA2SAS, BASAF and BA2SAF only Ⓜ Refer to P.290

Part Number	Unit Price
BESKS	150: 103.00, 200: 123.20, 300: 162.50, 400: 204.90, 500: 207.80, 600: 198.60
BESKF	150: 97.00, 200: 111.10, 300: 142.10, 400: 174.50, 500: 212.20, 600: 249.30
BESKT	200: 127.90, 300: 175.60, 400: 212.20, 500: 249.30, 600: 286.70
BE2SKS	150: 134.40, 200: 186.40, 300: 231.50, 400: 276.60, 500: 316.00
BE2SKF	150: 117.10, 200: 137.30, 300: 176.60, 400: 219.00, 500: 221.90, 600: 213.70
BE2SKT	200: 111.00, 300: 130.10, 400: 158.60, 500: 182.60, 600: 213.70
BASKS	4: 122.50, 6: 142.60, 8: 181.90, 10: 224.40, 13: 116.70, 16: 116.80
BASKF	4: 122.50, 6: 142.60, 8: 181.90, 10: 224.40, 13: 116.70, 16: 116.80
BASKT	4: 122.50, 6: 142.60, 8: 181.90, 10: 224.40, 13: 116.70, 16: 116.80

Part Number	Unit Price
BASKS	4: 165.00, 6: 128.30, 8: 121.30, 10: 112.50, 13: 158.70, 16: 166.20
BASKSS	6: 144.80, 8: 137.80, 10: 129.00, 13: 168.70, 16: 176.70
BASKF	6: 144.80, 8: 137.80, 10: 129.00, 13: 168.70, 16: 176.70
BASKFS	6: 144.80, 8: 137.80, 10: 129.00, 13: 168.70, 16: 176.70
BASKT	6: 151.00, 8: 144.30, 10: 135.50

Part Number	Unit Price
BESKSS	6: 180.20, 8: 208.60, 10: 214.70, 13: 226.80, 16: 279.50
BESKFS	6: 202.50, 8: 230.90, 10: 239.00, 13: 253.10, 16: 321.00

Part Number	Unit Price
BASKSS	6: 192.50, 8: 192.50, 10: 185.10, 13: 288.80, 16: 315.20
BASKFS	6: 217.20, 8: 218.70, 10: 212.30, 13: 307.00, 16: 335.10

Part Number	Unit Price
BASAS	20: 280.00, 25: 284.00, 30: 336.00, 40: 379.00
BA2SAS	20: 340.00, 25: 375.00, 30: 404.00, 40: 475.00
BASAF	20: 291.00, 25: 295.00, 30: 348.00, 40: 396.00
BA2SAF	20: 352.00, 25: 386.00, 30: 417.00, 40: 491.00

No.	Additional 2-Nut Type Price
4	79.10
6	69.30
8	69.30
10	70.90
13	76.80



Ball Splines

–Both Ends Female Thread Type / One End Male Thread with Step, One End Female Thread Type–

CAD Data



Both Ends Female Thread Type	1.3505/100Cr6 58HRC~		1.4125/ X105CrMo17 55HRC~	
	Nut 1 pc.	Nut 2 pcs.	Nut 1 pc.	
Straight Nut	BASBS	BA2SBS	BASBSS	
Round Flange Nut	BASBF	BA2SBF	BASBFS	

One End Male Thread with Step, One End Female Thread Type	1.3505/100Cr6 58HRC~	
	Nut 1 pc.	Nut 2 pcs.
Straight Nut	BASDS	BA2SDS
Round Flange Nut	BASDF	BA2SDF

Ⓜ Precision Ⓜ P.287 Ⓜ Detailed Dimension of Attached Nuts Ⓜ P.288 Ⓜ Induction hardened for the part D

Part Number	L 1mm Increment	M (Coarse)-N (Coarse) Selection	D
BASBS BASBSS	(13) 60~ 500 (350)	5 6 *8	13 (13.4)
BASBF BASBFS	(16) 70~ 500 (350)	6 8 *10	16 (16.6)
BA2SBS	20 80~ 500	6 8 10 12	18.2
BA2SBF	25 90~ 700	6 8 10 12	23
	30 100~1000	8 10 12 16	28
	40 120~1000	10 12 16 20	37.4

* Max. L dimension of BASBSS-BASBFS is (). * The taps with * are not available for BASBSS and BASBFS.

Part Number	No.	1 mm Increment		M (Coarse) Selection	N (Coarse) Selection	D	Y		d	
		L	T				1-Nut Type min~max	2-Nut Type min~max		
BASDS	20	80~ 650	0~150	0~20	6 8 10 12	18.2	80~ 500	130~ 500	15	
BA2SDS	25	90~ 850			8 10 12 16 20	0 6 8 10 12	23	90~ 700	150~ 700	20
BASDF	30	100~1150			8 10 12 16 20 24	0 8 10 12 16	28	100~1000	170~1000	25
BA2SDF	40	120~1150			10 12 16 20 24 30	0 10 12 16 20	37.4	120~1000	210~1000	30

* 2-Nut Type (BA2SDS, BA2SDF) with Y dimension (L-F-T dim.) below minimum is not available.

Order Example: Part Number - L - T - F - M - N
 BASBS20 - 300
 BASDS20 - 270 - T16 - F10 - M6 - N6

Days to Ship: 10 Days
 Please request quotation for 5 or more.

Price Alterations: Part Number - L - T - F - M - N - (SC-MC)
 BASBS20 - 270 - T16 - F10 - M6 - N6 - SC15

Part Number	Unit Price
BASBS	13: 168.00, 16: 179.00, 20: 301.00, 25: 306.00, 30: 365.00, 40: 409.00
BA2SBS	13: 180.00, 16: 188.00, 20: 312.00, 25: 317.00, 30: 378.00, 40: 426.00
BASBF	16: 188.00, 20: 312.00, 25: 317.00, 30: 378.00, 40: 426.00
BA2SBF	16: 188.00, 20: 312.00, 25: 317.00, 30: 378.00, 40: 426.00

Part Number	Unit Price
BASDS	20: 311.00, 25: 317.00, 30: 373.00, 40: 426.00
BA2SDS	20: 373.00, 25: 426.00, 30: 497.00, 40: 522.00
BASDF	20: 322.00, 25: 329.00, 30: 385.00, 40: 443.00
BA2SDF	20: 384.00, 25: 419.00, 30: 454.00, 40: 539.00

Alterations: Part Number - L - T - F - M - N - (SC-MC)
 BASDS20 - 270 - T16 - F10 - M6 - N6 - SC15

Part Number	Unit Price
BASBSS	13: 294.80, 16: 321.20, 20: 394.80, 25: 440.50, 30: 539.90
BASBFS	13: 313.00, 16: 341.10, 20: 412.70, 25: 460.50, 30: 559.70

No.	Additional 2-Nut Type Price
13	76.80
16	84.00
20	103.80
25	108.60
30	123.10
40	164.60

Alteration	Wrench Flats	Tapping
Code	SC	MC
Spec.	Adds a wrench flat SC = 1mm Increment SC+ε1≤L(Y) SC=0 or SC≥1	Tapping on the right end face * Applicable only to the One End Male Thread with step. One End Female Thread Type
Price Adder	18.00	6.50

* No alteration is available for the standard type or the material 1.4125/X105CrMo17.