



SHIP NOW BALL SCREWS - 2 days
16X10 to 40X10 - 750mm & 1200mm OAL

CUSTOM NOW BALL SCREWS - 2 weeks
16X10 to 40X10

**Metric Leads &
Diameters**



FAST BALL SCREW DELIVERY PROGRAM – 2 DAY : 2 WEEK

“R” Series Rolled Screw

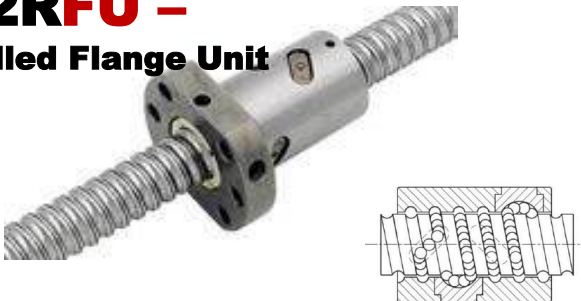


High Quality Ball Screws with
Internal re-circulation
Steel Inserts

Order the whole assembly with one
part number including the support
bearings.



F2RFU – Rolled Flange Unit



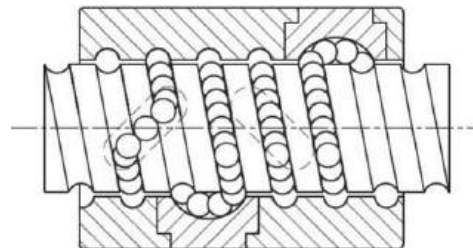
BK-FIXED

BF-FREE



Ball Nut Type: F

The type F and D ball nut utilize internal ball returns of cast steel. The ball returns are captured in the ball nut to prevent the returns from coming out of the assembly during ball recirculation. This design allows for high DN (rotation speed) as well as high translational speeds when compared to external or end type ball returns.



FAST BALL SCREW DELIVERY PROGRAM – 2 DAY : 2 WEEK



Model Number Code: F2RFU Fangtooth 'R' Rolled

F2RFU - **16 10** - **0400** - **BK12** / **BF12**

ASM: Support Bearings Included
MIN: Minus Support Bearings

Base Model	
FU	Flange Unit

Screw Diameter	
16	Size: 16 mm
20	Size: 20 mm
25	Size: 25 mm
32	Size: 32 mm
40	Size: 40 mm

Lead	
10	10 mm

Overall Length	
100 – 6000 mm	

End Machining	
BK10	BF10
BK12	BF12
BK15	BF15
BK17	BF17
BK20	BF20
BK25	BF25
BK30	BF30
BK35	BF35
BK40	BF40

- Type FK or FF machining available as well.
- May also include two fixed mounted bearings.
- Unsupported ends XX also available.
- Custom ends must be defined on drawing.

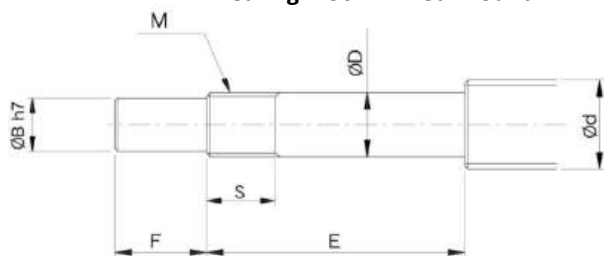
IMPORTANT NOTES

BKBF – Flange Faces Drive End

BFBK – Flange Faces Float End

Shaft End Machining

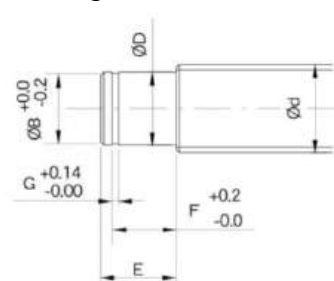
Bearing Block – Fixed Mount



Unit : mm

Support Unit	Ball Screw Diameter Ød	Drive Shaft Diameter ØB	Bearing Shaft Diameter ØD	Bearing Shaft Length E	Drive Shaft Length F	Lock Nut Thread M	Thread Length S
BK12	16	10	12	36	15	M12 x 1	14
BK15	20	12	15	40	20	M15 x 1	12
BK20	25	17	20	53	25	M20 x 1	15
BK25	32	20	25	65	30	M25 x 1.5	18
BK30	40	25	30	72	38	M30 x 1.5	25
BK40	50	35	40	93	50	M40 x 1.5	35

Bearing Block – Float Mount



Support Unit	Ball Screw Diameter Ød	Snap Ring Diameter ØB	Shaft Diameter ØD	Shaft Length E	Bearing & C-Ring Length F	C-Ring Width G
BF12	16	9.6	10	11	9.15	1.15
BF15	20	14.3	15	13	10.15	1.15
BF20	25	19	20	19	15.35	1.35
BF25	32	23.9	25	20	16.35	1.35
BF30	40	28.6	30	21	17.75	1.75
BF40	50	38	40	23	19.75	1.75



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'R' Series
Precision Rolled Ball Screws

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FAST BALL SCREW DELIVERY PROGRAM



list of model numbers

SHIP NOW BALL SCREWS: 2 day FAST delivery

16mm Dia Ball Screw Assembly with 10mm Lead Constant

00001kf	F2RFU1610-750-BK12BF12ASM	FixedFloatFlangeFacingDriveEnd (750mmOAL)
00001fk	F2RFU1610-750-BF12BK12ASM	FloatFixedFlangeoppositeDriveEnd (750mmOAL)
00006kk	F2RFU1610-1200-BK12BK12ASM	FixedFixed (1200mmOAL)
00011kk	F2RFU1610-2000-BK12BK12ASM	FixedFixed (2000mmOAL)

20mm Dia Ball Screw Assembly with 10mm Lead Constant

00002kf	F2RFU2010-750-BK15BF15ASM	FixedFloatFlangeFacingDriveEnd (750mmOAL)
00002fk	F2RFU2010-750-BF15BK15ASM	FloatFixedFlangeoppositeDriveEnd (750mmOAL)
00007kk	F2RFU2010-1200-BK15BK15ASM	FixedFixed (1200mmOAL)
00012kk	F2RFU2010-2000-BK15BK15ASM	FixedFixed (2000mmOAL)

25mm Dia Ball Screw Assembly with 10mm Lead Constant

00003kf	F2RFU2510-750-BK20BF20ASM	FixedFloatFlangeFacingDriveEnd (750mmOAL)
00003fk	F2RFU2510-750-BF20BK20ASM	FloatFixedFlangeoppositeDriveEnd (750mmOAL)
00008kk	F2RFU2510-1200-BK20BK20ASM	FixedFixed (1200mmOAL)
00013kk	F2RFU2510-2000-BK20BK20ASM	FixedFixed (2000mmOAL)

32mm Dia Ball Screw Assembly with 10mm Lead Constant

00004kf	F2RFU3210-750-BK25BF25ASM	FixedFloatFlangeFacingDriveEnd (750mmOAL)
00004fk	F2RFU3210-750-BF25BK25ASM	FloatFixedFlangeoppositeDriveEnd (750mmOAL)
00009kk	F2RFU3210-1200-BK25BK25ASM	FixedFixed (1200mmOAL)
00014kk	F2RFU3210-3000-BK25BK25ASM	FixedFixed (3000mmOAL)

40mm Dia Ball Screw Assembly with 10mm Lead Constant

00005kf	F2RFU4010-750-BK30BF30ASM	FixedFloatFlangeFacingDriveEnd (750mmOAL)
00005fk	F2RFU4010-750-BF30BK30ASM	FloatFixedFlangeoppositeDriveEnd (750mmOAL)
00010kk	F2RFU4010-1200-BK30BK30ASM	FixedFixed (1200mmOAL)
00015kk	F2RFU4010-3000-BK30BK30ASM	FixedFixed (3000mmOAL)

With or Without End Supports:

ASM = with end supports

MIN = without end supports



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FAST BALL SCREW DELIVERY PROGRAM

list of model numbers

CUSTOM NOW BALL SCREWS: 2 week FAST delivery

Customize Lengths to 1 mm increments:

Make sure you specify OAL (Overall Length)

EXAMPLE for OAL = 1455 mm 16mm DIA models:

**164CL3kf-1455 or F2RFU1610-1455-BK12BF12ASM or
165CL3fk-1455 or F2RFU1610-1455-BF12BK12ASM**

16mm Dia Ball Screw Assembly with 10mm Lead Constant

160CL1kf-LENGTH	F2RFU1610-700-BK12BF12ASM	FixedFloatFlangeFacingDriveEnd(to 700mmOAL)
161CL1fk-LENGTH	F2RFU1610-700-BK12BK12ASM	FloatFixedFlangeoppositeDriveEnd(to 700mmOAL)
162CL2kf-LENGTH	F2RFU1610-1150-BK12BF12ASM	FixedFloatFlangeFacingDriveEnd(700-1150mmOAL)
163CL2fk-LENGTH	F2RFU1610-1150-BF12BK12ASM	FloatFixedFlangeoppositeDriveEnd(700-1150mmOAL)
164CL3kf-LENGTH	F2RFU1610-1900-BK12BF12ASM	FixedFloatFlangeFacingDriveEnd(1151-1900mmOAL)
165CL3fk-LENGTH	F2RFU1610-1900-BF12BK12ASM	FloatFixedFlangeoppositeDriveEnd(1151-1900mmOAL)

20mm Dia Ball Screw Assembly with 10mm Lead Constant

200CL1kf-LENGTH	F2RFU2010-700-BK15BF15ASM	FixedFloatFlangeFacingDriveEnd(to 700mmOAL)
201CL1fk-LENGTH	F2RFU2010-700-BK15BK15ASM	FloatFixedFlangeoppositeDriveEnd(to 700mmOAL)
202CL2kf-LENGTH	F2RFU2010-1150-BK15BF15ASM	FixedFloatFlangeFacingDriveEnd(700-1150mmOAL)
203CL2fk-LENGTH	F2RFU2010-1150-BF15BK15ASM	FloatFixedFlangeoppositeDriveEnd(700-1150mmOAL)
204CL3kf-LENGTH	F2RFU2010-1900-BK15BF15ASM	FixedFloatFlangeFacingDriveEnd(1151-1900mmOAL)
205CL3fk-LENGTH	F2RFU2010-1900-BF15BK15ASM	FloatFixedFlangeoppositeDriveEnd(1151-1900mmOAL)

25mm Dia Ball Screw Assembly with 10mm Lead Constant

250CL1kf-LENGTH	F2RFU2510-700-BK20BF20ASM	FixedFloatFlangeFacingDriveEnd(to 700mmOAL)
251CL1fk-LENGTH	F2RFU2510-700-BK20BK20ASM	FloatFixedFlangeoppositeDriveEnd(to 700mmOAL)
252CL2kf-LENGTH	F2RFU2510-1150-BK20BF20ASM	FixedFloatFlangeFacingDriveEnd(700-1150mmOAL)
253CL2fk-LENGTH	F2RFU2510-1150-BF20BK20ASM	FloatFixedFlangeoppositeDriveEnd(700-1150mmOAL)
254CL3kf-LENGTH	F2RFU2510-1900-BK20BF20ASM	FixedFloatFlangeFacingDriveEnd(1151-1900mmOAL)
255CL3fk-LENGTH	F2RFU2510-1900-BF20BK20ASM	FloatFixedFlangeoppositeDriveEnd(1151-1900mmOAL)

32mm Dia Ball Screw Assembly with 10mm Lead Constant

320CL1kf-LENGTH	F2RFU3210-700-BK25BF25ASM	FixedFloatFlangeFacingDriveEnd(to 700mmOAL)
321CL1fk-LENGTH	F2RFU3210-700-BK25BK25ASM	FloatFixedFlangeoppositeDriveEnd(to 700mmOAL)
322CL2kf-LENGTH	F2RFU3210-1150-BK25BF25ASM	FixedFloatFlangeFacingDriveEnd(700-1150mmOAL)
323CL2fk-LENGTH	F2RFU3210-1150-BF25BK25ASM	FloatFixedFlangeoppositeDriveEnd(700-1150mmOAL)
324CL4kf-LENGTH	F2RFU3210-2150-BK25BF25ASM	FixedFloatFlangeFacingDriveEnd(1151-2150mmOAL)
325CL4fk-LENGTH	F2RFU3210-2150-BF25BK25ASM	FloatFixedFlangeoppositeDriveEnd(1151-2150mmOAL)
326CL5kf-LENGTH	F2RFU3210-2875-BK25BF25ASM	FixedFloatFlangeFacingDriveEnd(2151-2875mmOAL)
327CL5fk-LENGTH	F2RFU3210-2875-BF25BK25ASM	FloatFixedFlangeoppositeDriveEnd(2151-2875mmOAL)

40mm Dia Ball Screw Assembly with 10mm Lead Constant

400CL1kf-LENGTH	F2RFU4010-700-BK30BF30ASM	FixedFloatFlangeFacingDriveEnd(to 700mmOAL)
401CL1fk-LENGTH	F2RFU4010-700-BK30BK30ASM	FloatFixedFlangeoppositeDriveEnd(to 700mmOAL)
402CL2kf-LENGTH	F2RFU4010-1150-BK30BF30ASM	FixedFloatFlangeFacingDriveEnd(700-1150mmOAL)
403CL2fk-LENGTH	F2RFU4010-1150-BF30BK30ASM	FloatFixedFlangeoppositeDriveEnd(700-1150mmOAL)
404CL4kf-LENGTH	F2RFU4010-2150-BK30BF30ASM	FixedFloatFlangeFacingDriveEnd(1151-2150mmOAL)
405CL4fk-LENGTH	F2RFU4010-2150-BF30BK30ASM	FloatFixedFlangeoppositeDriveEnd(1151-2150mmOAL)
406CL5kf-LENGTH	F2RFU4010-2875-BK30BF30ASM	FixedFloatFlangeFacingDriveEnd(2151-2875mmOAL)
407CL5fk-LENGTH	F2RFU4010-2875-BF30BK30ASM	FloatFixedFlangeoppositeDriveEnd(2151-2875mmOAL)



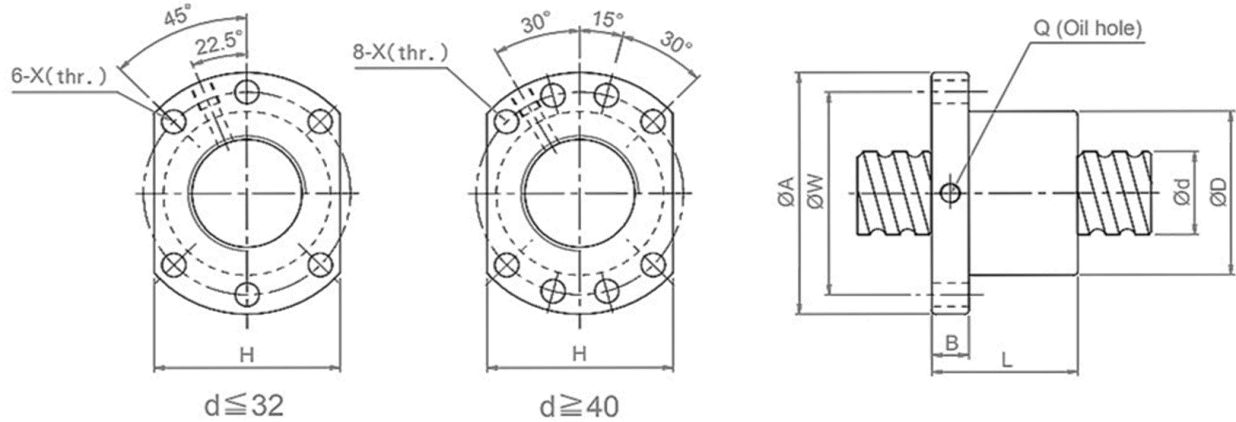
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F2RFU Ball Screw

Fangtooth Rolled Flange Units (10mm Lead in Fast Delivery)



Units: mm

Basic Model	Ball Circle Dia (d)	Lead	(D)	(A)	(B)	(L)	(W)	(X)	(H)	(Q)	(C _{dyn})	(C ₀)
F2RFU1605-4	16 mm	5 mm	28	48	10	50	38	5.5	40	M6	1720 lbs	3946 lbs
F2RFU1610-3	16 mm	10 mm	28	48	10	47	38	5.5	40	M6	1590 lbs	2754 lbs
F2RFU2005-4	20 mm	5 mm	36	58	10	51	47	6.6	44	M6	2492 lbs	5248 lbs
F2RFU2010-3	20 mm	10 mm	36	58	10	57	47	6.6	40	M6	1841 lbs	3704 lbs
F2RFU2505-4	25 mm	5 mm	40	62	10	51	51	6.6	48	M6	2822 lbs	6858 lbs
F2RFU2510-4	25 mm	10 mm	40	62	10	85	51	9.0	48	M6	4287 lbs	8549 lbs
F2RFU3205-4	32 mm	5 mm	50	80	12	52	65	9.0	62	M6	3197 lbs	9151 lbs
F2RFU3210-4	32 mm	10 mm	50	80	12	85	65	9.0	62	M8	7475 lbs	15810 lbs
F2RFU4005-4	40 mm	5 mm	63	93	12	55	78	9.0	70	M8	3550 lbs	11753 lbs
F2RFU4010-4	40 mm	10 mm	63	93	14	93	78	9.0	70	M8	8622 lbs	20992 lbs
F2RFU5005-4	50 mm	5 mm	75	110	14	55	93	11.0	85	M8	3815 lbs	14912 lbs
F2RFU5010-4	50 mm	10 mm	75	110	15	93	93	11.0	85	M8	9812 lbs	27563 lbs
F2RFU5020-4	50 mm	20 mm	75	110	16	138	93	11.0	85	M8	10240 lbs	31591 lbs
F2RFU6310-4	63 mm	10 mm	90	125	18	98	108	11.0	95	M8	11179 lbs	35280 lbs
F2RFU6320-4	63 mm	20 mm	95	135	20	149	115	13.5	100	M8	16698 lbs	52589 lbs
F2RFU8010-4	80 mm	10 mm	105	145	20	98	125	13.5	110	M8	12392 lbs	46967 lbs
F2RFU8020-4	80 mm	20 mm	125	165	25	154	145	13.5	130	M8	18709 lbs	68123 lbs
F2RFU10020-4	100 mm	20 mm	150	202	30	180	170	17.5	155	M8	20771 lbs	86399 lbs





Planetary Lift

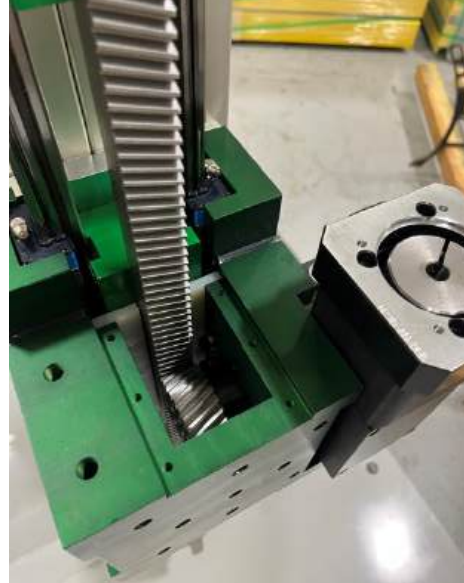
Ball Screw Lift



**NEPTUNE
TRITON**

Standard Rack Axis

Heavy Rack Axis



**fangOPEN
fangMAX**



Fangtooth Inc.
11790 Mayfield St
Livonia, MI 48150
Ph 248-798-4877

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