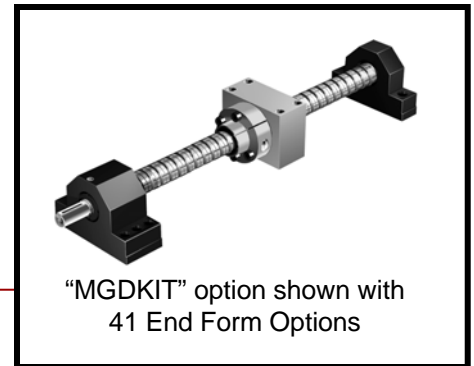
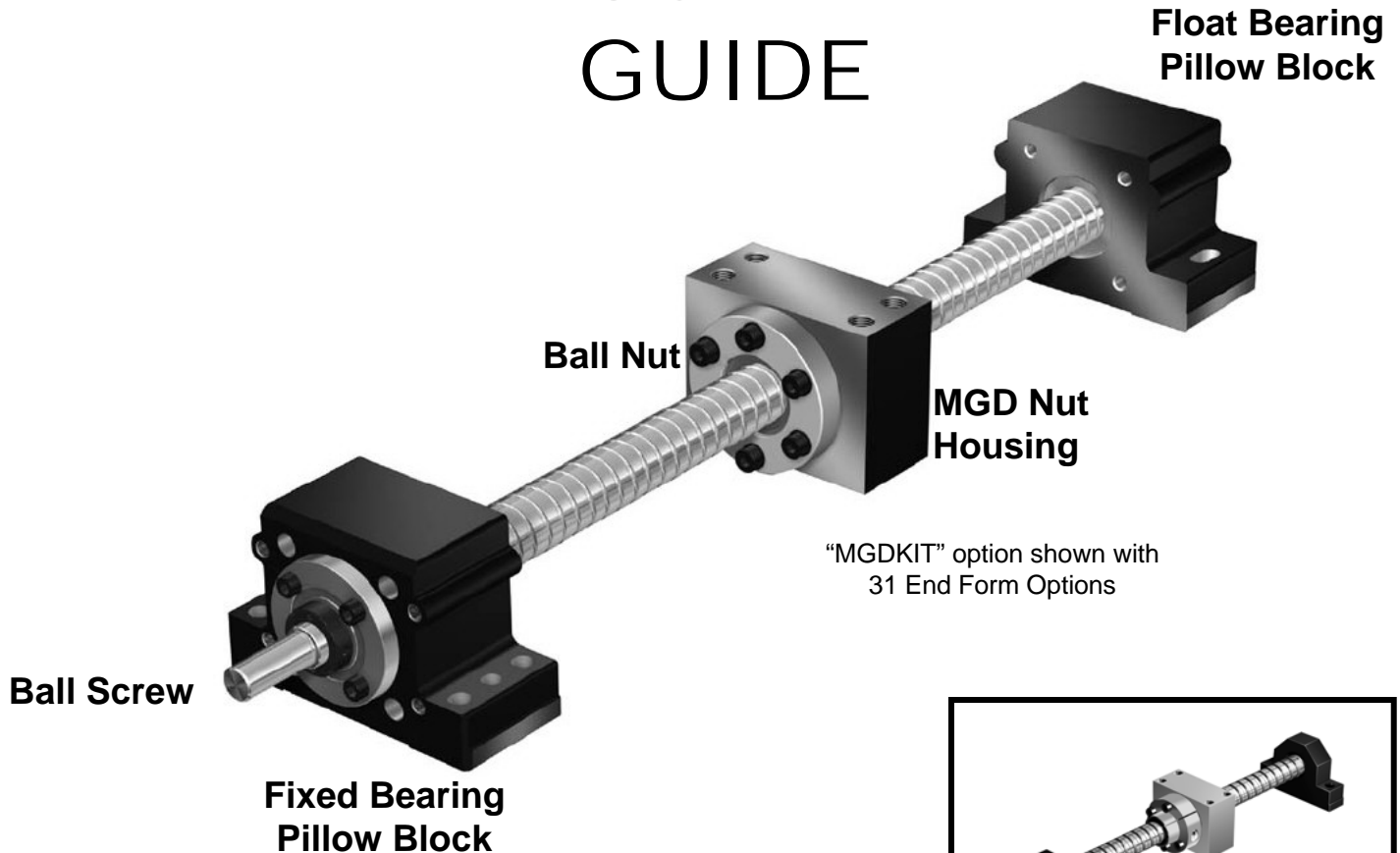


MORRELL STAR LINEAR BALLSCREW KIT GUIDE



4 OPTIONS

STDKIT INCLUDES

- 1 ballscrew
- 1 ball nut
- 1 fixed bearing pillow block
- 1 float bearing pillow block

MGDKIT INCLUDES

- All STDKIT components
- + 1 MGD Nut Housing

MGDLSK INCLUDES

- All STDKIT components
- + 1 MGD Nut Housing
- + 1 LSK Motor Adapter & Coupling

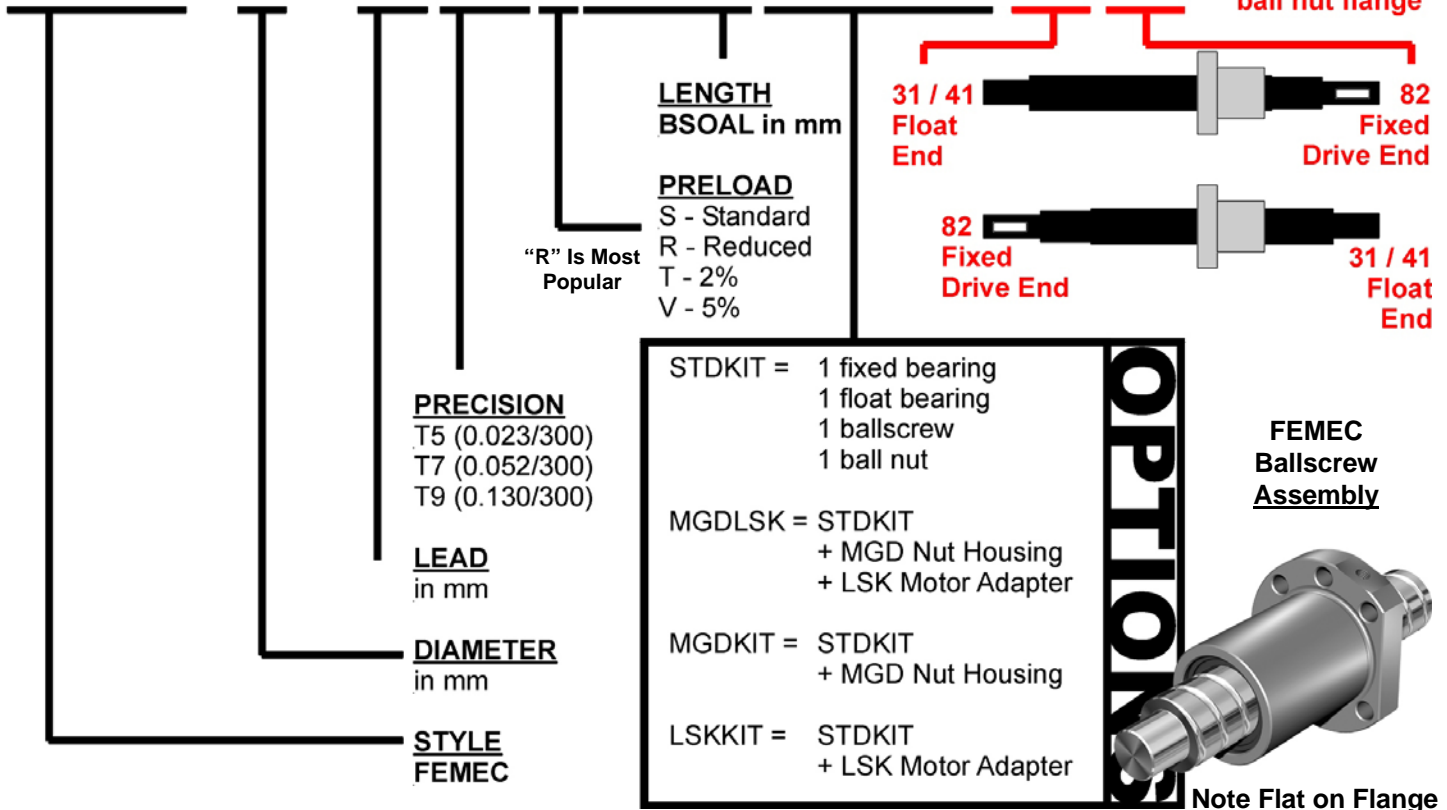
LSKKIT INCLUDES

- All STDKIT components
- + 1 LSK Motor Adapter & Coupling

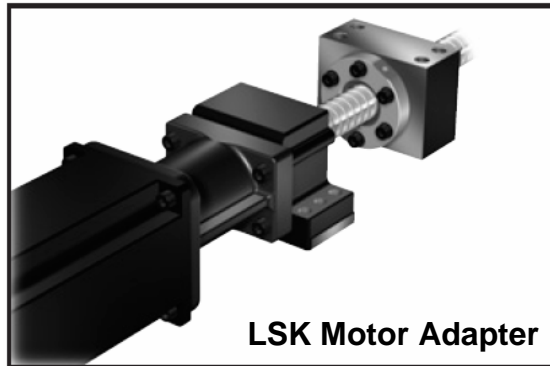
MODEL NUMBER:

FEMEC20X05T5RXXXSTDKIT4182

END FORMS
W.R.T.
ball nut flange



(units in mm) DIA x LEAD	Basic Dyn. Cap. (kN)	Max. Std. LEN
20 x 05	14.0	1500
20 x 20	13.3	1500
25 x 05	15.9	2500
25 x 10	15.7	2500
25 x 25	14.7	2500
32 x 05	21.5	2500
32 x 10	31.7	2500
32 x 20	19.7	2500
32 x 32	19.5	2500
40 x 10	50.0	4500
40 x 16	49.7	4500
40 x 20	37.8	4500
40 x 40	37.0	4500
50 x 10	79.7	4500
50 x 20	75.7	4500
63 x 10	88.8	4500
63 x 20	83.9	4500



NOTES: When Ordering LSK Adapter, Please Specify Motor you Require Mounting to.

LSK Couplings are rated for:
6.33% Basic Dynamic Loading
4 Billion Revolutions L10 Life

Standard Seals are provided unless Otherwise specified.

L10 Life Calculation

$$L = \left[\frac{C}{F} \right]^3 \quad 23$$

$$L_h = \frac{16666}{n} \left[\frac{C}{F} \right]^3 \quad 24$$

L = nominal life (10⁶ revolutions)
in millions of revolutions

L_h = nominal life
in operating hours (h)

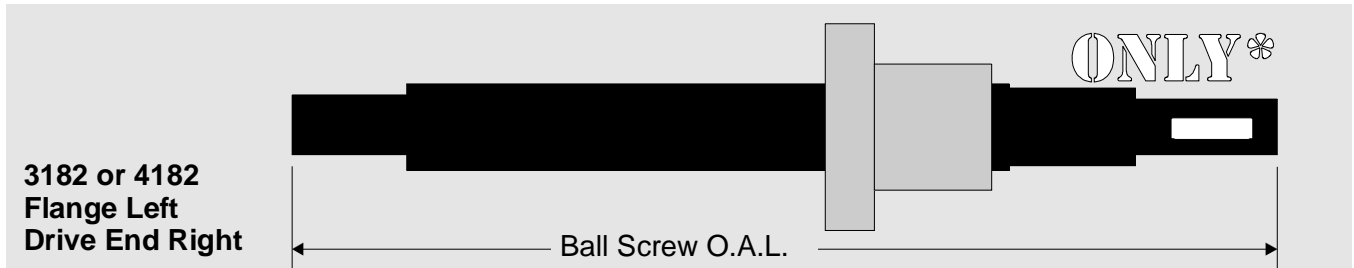
C = dynamic bearing load rating (N)

n = average speed (min⁻¹)

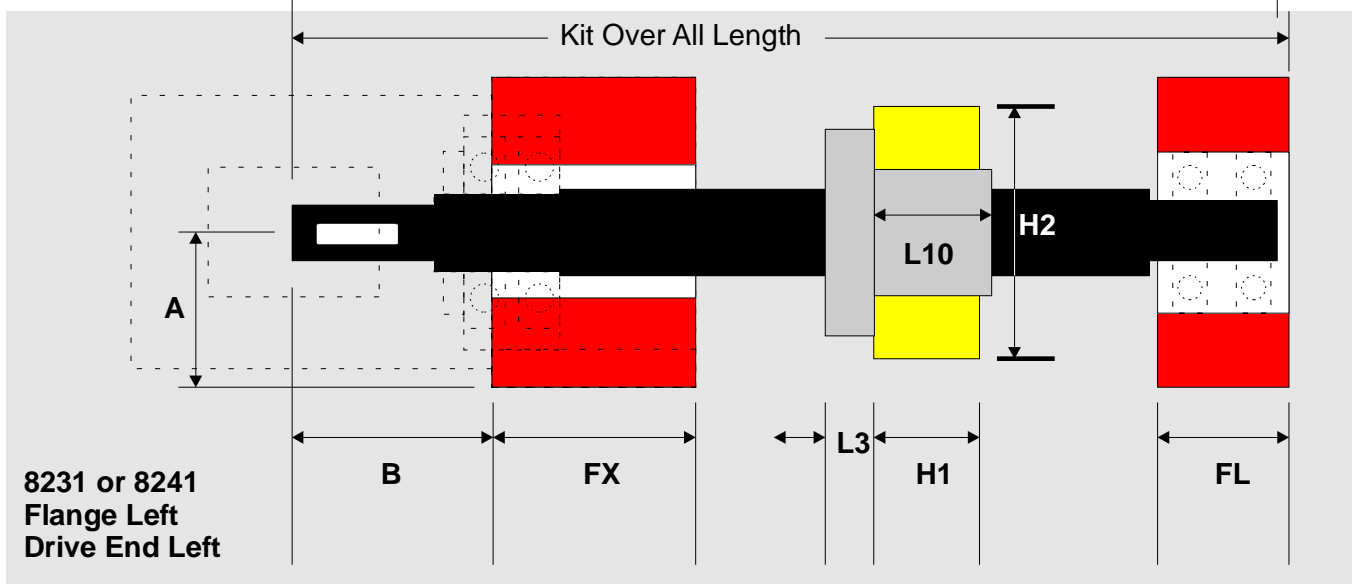
F = equivalent bearing load (N)

REFERENCE

BALLSCREW ASSEMBLY (NOT KITTED)



MORRELL BALLSCREW KIT



(units in mm)										KITOAL	PN FIXED	PN FLOAT
DIA x LEAD	A	B	FX	L3	L10	H1	H2	FL	- BSOAL	BEARING	BEARING	
20 x 05	41	42	60	12	28	55	56	60	9	1594-012-00	1594-615-00	
20 x 20					65					(82 END)	(31 END)	
25 x 05	39	50	46	12	33	55	60	28	5	1591-117-30	1591-617-20	
25 x 10					52					(82 END)	(41 END)	
25 x 25					83							
32 x 05	46	58	60	13	35	70	70	70	6	1594-020-00	1594-620-00	
32 x 10					64					(82 END)	(31 END)	
32 x 20					71							
32 x 32					107							
40 x 10	56	73	65	15	55	80	84	80	8	1594-030-00	1594-630-00	
40 x 16					75					(82 END)	(31 END)	
40 x 20					73							
40 x 40					127							
50 x 10	65	69	92	18	39	95	96	41	7	1591-230-30	1591-635-20	
50 x 20					114					(82 END)	(41 END)	
63 x 10	73	80	85	22	68	100	110	46	6	1591-140-30	1591-650-20	
63 x 20					110					(82 END)	(41 END)	

*All dimensions shown are for reference only. Please confirm all designs to CAD files or catalog cut sheets.
www.boschrexroth-us.com [PRODUCTS & SOLUTIONS - LINEAR MOTION – CAD FILES & SOLID MODELS]

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Rexroth Star Linear VKK Electric Cylinders With radial support



Rexroth Star Linear Linear Actuators



Exlar Planetary Roller Electric Cylinders



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- panel build
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- Continuous Emission Monitoring Systems
- Robotics Control Systems
- Machine Tool
- Transplant Machine Services
- CNC Machine Controls Systems

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Reference Ballscrew Catalog Pages:

- FEMEC BALL NUT pg 32
- MGD NUT HSG pg 48
- Float End Forms pg 60-63
- 20/32/40 Pillow Blocks pg 78-81
- Fixed End Forms pg 70-71
- 25/50/63 Pillow Blocks pg 82-85

Morrell Star Linear Ballscrew Kit 2009 Back Cover