



Vickers by Danfoss ® NZ

Engineered for ANSI B93.15/NFPA interchangeability with the durability required for heavy-duty applications.

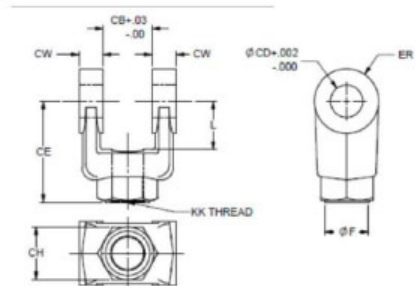
Head End Accessories

Mounting brackets, rod clevises, and rod eyes for all NZ cylinders are available from Danfoss. These accessories are detailed below showing part numbers and all pertinent dimensional data. Make sure the rod end type selected has threads that match the threads of any required accessory. Dimensions are in inches unless otherwise noted. When ordering, please specify the part name and part number.

All rod accessories must be torqued against the rod shoulder. * Recommended torque values using MoS2 lubricant with 0.12 co-efficient of friction.

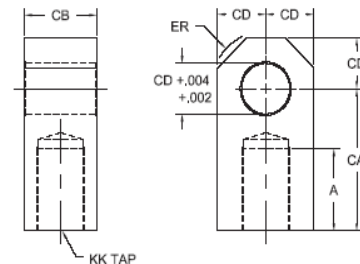
Rod Clevis

Part No	KK	CB	CD	CW	CE	ER	L	Static Load Rating(LB)
FRC-0437	7/16-20 UNF	0.765	0.502	0.50	1.50	0.50	0.75	4,250
FRC-0750	3/4-16 UNF	1.265	0.752	0.63	2.38	0.75	1.25	9,750
FRC-1000	1-14 UN	1.515	1.002	0.75	3.13	1.00	1.50	17,500
FRC-1250	1 1/4-12 UNF	2.015	1.377	1.00	4.13	1.38	2.13	28,000
FRC-1500	1 1/2-12 UNF	2.515	1.752	1.25	4.50	1.75	2.25	45,500
FRC-1875	1 7/8-12 UNF	2.515	2.002	1.25	5.50	2.00	2.50	52,000
FRC-2250	2 1/4-12 UNF	3.015	2.502	1.50	6.50	2.50	3.00	78,000
FRC-2500	2 1/2-12 UNF	3.015	3.002	1.50	6.75	2.75	3.25	75,000
FRC-3250	3 1/4-12 UNF	4.015	3.502	2.00	8.50	3.50	4.00	142,500
FRC-4000	4-12 UNF	4.515	4.002	2.25	10.00	4.00	4.50	182,500
FRC-5500	5 1/2-12 UN	6.015	5.002	3.00	12.75	5.25	5.75	300,000
FRC-6000	6-12 UN	7.015	6.002	3.50	15.75	6.25	6.75	390,000



Rod Eye

Part Number	A	CA	CB	CD	ER	KK	Static Tensile Load (LB)
FR E-0750	1.13	2.06	1.25	0.75	0.88	.750-16	10,750
FRE-1000	1.63	2.81	1.50	1.00	1.19	1.000-14	16,500
FRE-1250	2.00	3.44	2.00	1.38	1.56	1.250-12	30,500
FRE-1500	2.25	4.00	2.50	1.75	2.00	1.500-12	47,500
FRE-1875	3.00	5.00	2.50	2.00	2.25	1.875-12	55,000
FRE-2250	3.50	5.81	3.00	2.50	2.81	2.250-12	80,000
FRE-2500	3.50	6.13	3.00	3.00	3.25	2.500-12	94,000
FRE-3250	4.50	7.63	4.00	3.50	3.88	3.250-12	1,58,200
FRE-4000	5.50	9.13	4.50	4.00	4.44	4.000-12	2,11,500
FRE-5500	7.00	11.75	6.00	5.00	5.25	5.500-12	3,37,500
FRE-6000	9.00	14.25	7.00	6.00	6.25	6.000-12	4,50,000



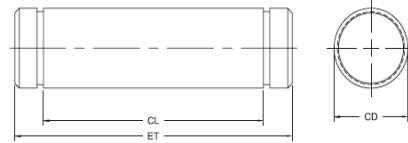
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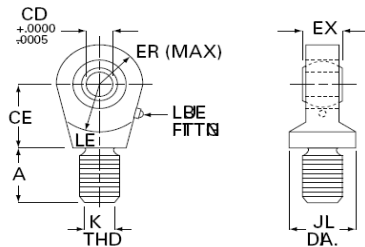
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Pivot Pin for Rod Eye or Clevis

Part Number	CD	CL	ET	Static Shear Load (LB)
SVPIN-075-10	0.75	2.63	2.89	18,425
SVPIN-100-10	1.00	3.13	3.39	32,775
SVPIN-138-10	1.38	4.16	4.47	62,000
SVPIN-175-10	1.75	5.16	5.56	100,425
SVPIN-200-10	2.00	5.16	5.56	131,175
SVPIN-250-10	2.50	6.16	6.64	204,975
SVPIN-300-10	3.00	6.19	6.77	295,175
SVPIN-350-10	3.50	8.13	8.84	401,775
SVPIN-400-10	4.00	9.13	9.86	524,750
SVPIN-500-10	5.00	12.13	12.88	819,950
SVPIN-600-10	6.00	14.25	15.3	1,180,725



Spherical Rod Eye



Bore	KK	Part No.	A	CD +.0000 -.0005	CE	EX	ER	JL	LE	Load Capacity (lbs)
1.50	7/16-20	BRE-0437	0.69	0.5000	0.88	0.44	0.88	0.88	0.75	2600
2.00	3/4-16	BRE-0750	1.00	0.7500	1.25	0.66	1.25	1.31	1.06	9400
2.50	3/4-16	BRE-0750	1.00	0.7500	1.25	0.66	1.25	1.31	1.06	9400
3.25	1-14	BRE-1000	1.50	1.0000	1.88	0.88	1.38	1.50	1.44	16800
4.00	1 1/4-12	BRE-1250	2.00	1.3750	2.13	1.19	1.81	2.00	1.88	28600
5.00	1 1/2-12	BRE-1500	2.13	1.7500	2.50	1.53	2.19	2.25	2.13	43000
6.00	1 7/8-12	BRE-1875	2.88	2.0000	2.75	1.75	2.63	2.75	2.50	70000

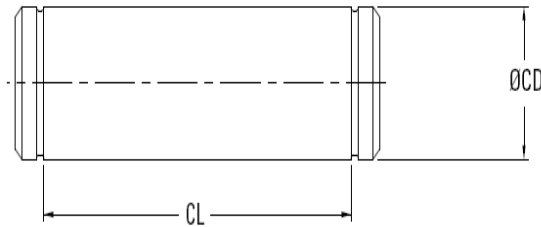
Pivot Pin for Spherical Rod Eye



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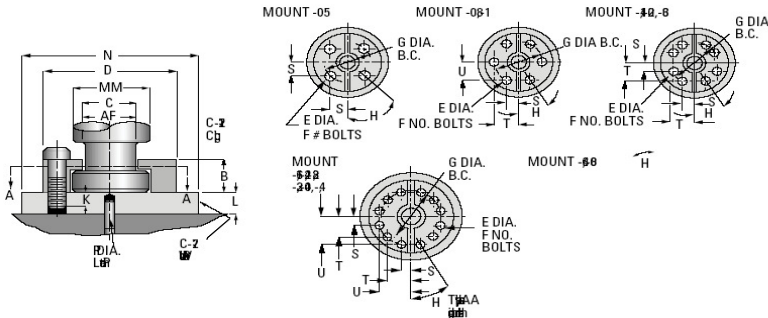
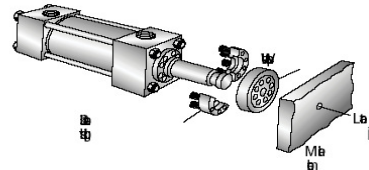
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Bore	Part No.	CD	CL
1.50	SBPIN-050-10	0.500	1.56
2.00	SBPIN-075-10	0.750	2.03
2.50	SBPIN-075-10	0.750	2.03
3.25	SBPIN-100-10	1.000	2.50
4.00	SBPIN-138-10	1.375	3.31
5.00	SBPIN-175-10	1.750	4.22
6.00	SBPIN-200-10	2.000	4.94

Rod End Coupling



Weld Plate	L	N	P	Sc. Hd. Cap Screws	Bolt Torq. Ft. lb.	S	T	U	X
WP-05	0.50	2.00	0.25	#10-24x.88	5	0.40	—	—	—
WP-08	0.50	2.50	0.25	1/4"-20x1.0	14	0.38	0.75	0.65	—
WP-11	0.62	3.00	0.25	5/16"-18x1.25	30	0.50	1.00	0.87	—
WP-14	0.75	3.50	0.25	3/8"-16x1.5	52	0.45	1.10	—	—
WP-16	0.88	4.00	0.38	3/8"-16x2.0	52	0.35	0.95	1.30	—
WP-20	1.00	5.00	0.38	1/2"-13x2.25	128	0.66	1.59	—	—
WP-24	1.00	5.50	0.38	1/2"-13x2.75	128	0.52	1.41	1.93	—
WP-28	1.12	6.50	0.38	5/8"-11x3.0	255	0.61	1.66	2.26	—
WP-32	1.12	7.00	0.38	5/8"-11x3.0	255	0.67	1.83	2.51	—
WP-36	1.25	7.50	0.38	3/4"-10x3.5	450	1.09	2.63	—	—
WP-40	1.38	8.00	0.38	5/8"-11x3.75	255	0.80	2.19	2.99	—
WP-44	1.50	9.00	0.38	3/4"-10x4.5	450	0.89	2.43	3.32	—



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Recommended Torque Values

using MoS2 lubricant with .12 coefficient of friction

Thread Size	Torque	Thread Size	Torque
	ft•lbs		ft•lbs
.750-16	125	2.500-12	5,050
1.000-14	250	3.250-12	7,940
1.250-12	460	4.000-12	12,560
1.500-12	663	5.500-12	16,275
1.875-12	944	6.000-12	21,600
2.250-12	1,315		

NOTES:

1. The load listed is max load in tension.
2. The pull load of the cylinder should be less than the listed load for the respective selected rod accessory.
3. Pivot pin is rated in shear.
4. All rod accessories must be torqued against rod shoulder.



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