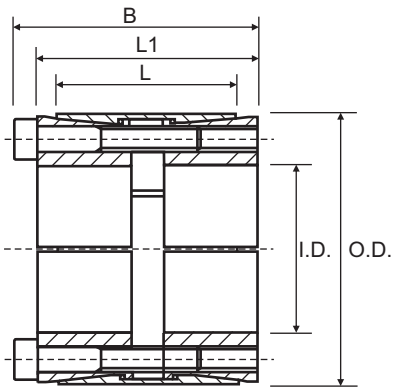
CAL4 (Self-Centering)

Consists of one biconic ring and two truncated cone rings. It is suitable for very high torques and is self-centering. Ideal for conveyors and many other machine applications. Available for shaft diameter from 25 to 400 mm.

Characteristics
Very high torques
Capacity to withstand bending moments
Standard sizes



Torque = Maximum transmittable torque when axial force is zero.
Axial Force = Maximum axial force when transmittable torque is zero.

For CAL4 use the following tolerances:
h8 for the shaft
H8 for the hub

Part No.	I.D.	O.D.	L	L1	B	Torque Nm	Axial Force N
CAL4--25/50	25	50	41	45	51	830	66000
CAL4--28/55	28	55	41	45	51	1239	89000
CAL4--30/55	30	55	41	45	51	1328	89000
CAL4--35/60	35	60	41	45	51	1549	89000
CAL4--38/65	38	65	41	45	51	1682	89000
CAL4--40/65	40	65	41	45	51	2213	111000
CAL4--42/75	42	75	41	45	53	3435	164000
CAL4--45/75	45	75	41	45	53	3680	164000
CAL4--48/80	48	80	58	62	70	3926	164000
CAL4--50/80	50	80	58	62	70	4089	164000
CAL4--55/85	55	85	58	62	70	4498	164000
CAL4--60/90	60	90	58	62	70	6134	204000
CAL4--65/95	65	95	58	62	70	6645	204000
CAL4--70/110	70	110	70	76	86	11363	325000
CAL4--75/115	75	115	70	76	86	12174	325000
CAL4--80/120	80	120	70	76	86	15583	390000
CAL4--85/125	85	125	70	76	86	16557	390000
CAL4--90/130	90	130	70	76	86	17531	390000
CAL4--95/135	95	135	70	76	86	18505	390000
CAL4-100/145	100	145	92	98	110	28361	567000
CAL4-110/155	110	155	92	98	110	31197	567000
CAL4-120/165	120	165	92	98	110	39706	662000
CAL4-130/180	130	180	108	114	128	50589	778000
CAL4-140/190	140	190	108	114	128	63560	908000
CAL4-150/200	150	200	108	114	128	77829	1038000
CAL4-160/210	160	210	108	114	128	83017	1038000
CAL4-170/225	170	225	136	146	162	107267	1262000
CAL4-180/235	180	235	136	146	162	129802	1442000
CAL4-190/250	190	250	136	146	162	137014	1442000
CAL4-200/260	200	260	136	146	162	144225	1442000
CAL4-220/285	220	285	136	146	162	198309	1803000
CAL4-240/305	240	305	136	146	162	237971	1983000
CAL4-260/325	260	325	136	146	162	257802	1983000
CAL4-280/355	280	355	138	148	168	393980	2814000
CAL4-300/375	300	375	165	177	197	464334	3096000

Sizes up to CAL4-400/495 available on request.
All dimensions in mm unless otherwise stated

NAISMITH

Power Transmission is all we do

Locking Bush Conversion Chart

SIT (CAL)	TOLLOK (TLK)	Lovejoy (SLD)	MAV	RINGFEDER (RFN)	RINGBLOK	BIKON	COMPOMAC (Conex)	KTR (Clampex)
CAL1	200	1500*	2005	7012	1120	4000	A	100
CAL2	300		3003	8006	1060	5000	C	150
CAL3	110	1900*	5061	7110.1	1100	8000	B*	250
CAL4	450	2600*	4061	7005	1800	1012	F*	400
CAL5A	130		6901	7004	1300.1	7000A	D	200
CAL5B	131		6902	7007	1300.2	7000B	E	201
CAL6	132	1850*	1062	7003	1710	1003	DS	203
CAL7	133	1750*	1061	7006	1720	1006	ES	206
CAL8	134		3061		2400	1506	EP	225
CAL9	250*		3505		1500C	5500SP	H	125
CAL10	500		1004*	7020	1600	9500*	M	700
CAL11S	603	900*	2008	4071	2200.01	1029.71	SD	603
CAL12S	139		4005		1000	4500	L	90
CAL13S	250L		3705		1500	5500S	I	125.1
CAL15	350			7061				

* External diameters and torque ratings may vary between suppliers