



# HIGH LOAD CAPACITY BALL SCREWS

The accumulated experience and the implementation of the improvements resulting from the development of the KRR range have led to the **third generation** of high-load ball screws. **The new generation includes the following KRR range benefits.**



Higher load capacities and life



Smaller size and lower inertia



Lower noise

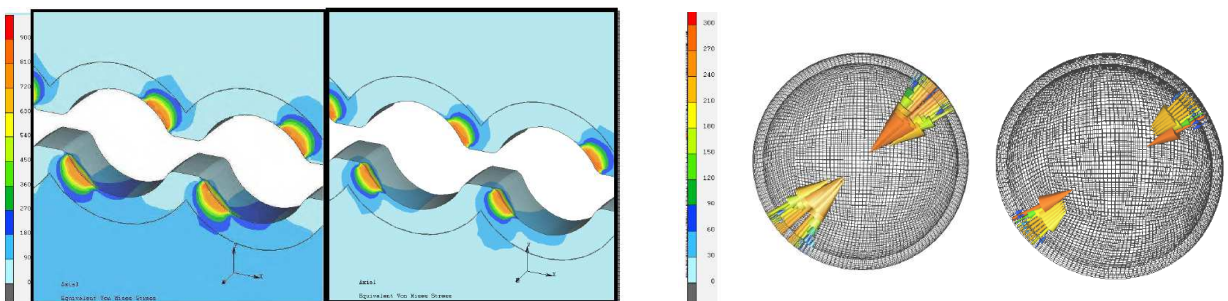


Increased energy efficiency.

The **increased manufacturing range** allows our customers to incorporate the advantages this type of mechanism offer to a larger number of applications.

The new **high load Ball screws with long lead** offers our customers the possibility to incorporate this technology in applications beyond the traditional ones, such a stamping machines, injection, molding, electromechanical presses and actuators, Machine design is simplified, and so are speed and load settings. Efficiency and performance are improved with significant **energy saving**. Maintenance requirements are reduced, **and oil leakage prevented**.

Although the new range covers a wide range of applications, in many applications a **specific dimensioning** must be performed, customized designs can be made when required.





Diameter	Lead	Ball dia.	Nº circuits	C(KN)	Co(KN)	Dr	Dm	L (*)	X
32	10	7,144	6	102	220	60	52	99	14
			8	132	297			124	
40	10	7,144	6	118	286	70	60	101	16
			8	153	385			126	
40	12	7,938	6	134	312	70	63	116	16
			8	172	421			146	
50	10	7,144	6	131	353	82	70	101	16
			8	168	474			126	
50	12	7,938	6	151	394	82	72	116	16
			8	194	530			146	
50	16	9,525	6	185	449	90	75	143	20
			8	238	605			183	
50	16	12,7	6	259	590	95	85	150	20
			8	335	798			190	
63	16	12,7	8	403	1078	110	95	194	20
			10	490	1356			226	
			12	575	1634			258	
			16	738	2191			360	
63	20	15,875	8	501	1248	125	110	232	20
			10	611	1573			272	
			12	714	1899			312	
			16	923	2549			439	
80	16	12,7	8	453	1358	130	110	198	25
			10	551	1706			230	
			12	646	2054			262	
			16	830	2750			365	
80	20	15,875	8	600	1685	140	125	234	25
			10	731	2119			274	
			12	857	2554			314	
			16	1102	3423			438	
80	25	19,05	8	734	1953	150	130	288	25
			10	894	2461			338	
			12	1049	2969			388	
100	16	12,7	8	505	1707	150	130	204	30
			10	614	2143			236	
			12	719	2578			268	
			16	923	3449			372	



Diameter	Lead	Ball dia.	Nº circuits	C(KN)	Co(KN)	Dr	Dm	L (*)	X
100	20	15,875	8	677	2122	160	140	243	30
			10	823	2666			283	
			12	955	3210			323	
			16	1240	4297			452	
100	25	19,05	8	829	2426	170	145	287	30
			10	1009	3052			337	
			12	1184	3678			387	
100	32	25,4	8	1168	3194	195	165	356	30
			10	1423	4027			420	
100	38	30	8	1384	3673	210	180	417	30
120	16	12,7	8	548	2056	170	150	204	30
			10	666	2579			236	
			12	780	3102			268	
			16	1001	4147			372	
120	20	15,875	8	740	2558	180	160	239	30
			10	900	3211			279	
			12	1054	3865			319	
			16	1353	5171			444	
120	25	19,05	8	940	3055	190	165	291	30
			10	1143	3838			341	
			12	1340	4621			391	
120	32	25,4	8	1348	4033	215	180	356	30
			10	1640	5076			420	
120	38	30	8	1665	4843	230	195	417	30

\* Minimum nut length with wipers. Without flange L=L-X+10

\*Dr→Recommended diameter

\*Dm→Minimum diameter

**LONG LEAD**

Diameter	Lead	Ball dia.	Nº circuits	C(KN)	Co(KN)	Dr	Dm	L (*)	X
50	40	12,7	8	342	812	95	85	214	20
63	40	15,875	8	513	1283	125	110	217	20
80	50	19,05	8	710	1849	150	130	269	25
100	60	19,05	8	843	2468	170	145	314	30
120	70	19,05	8	919	2934	190	165	354	30

