Shaft misalignment is a significant cause of machinery failure. An optimal alignment of shaft increases the life of shafting and reduces energy consumption, noise, vibrations and excessive wear.

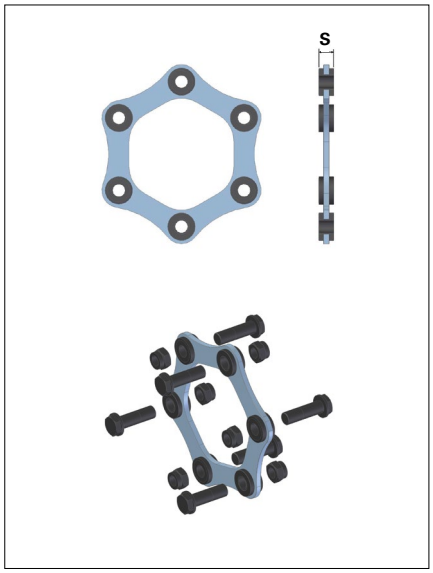
We perform shaft alignment calculation (DNV GL®* Nauticus®* Machinery Shaft Alignment software), which helps to calculate the bearing reaction loads, moment and stresses for the entire shaft line, as well as to determine the resonance frequencies for whirling and axial vibrations.

JAURE® LAMIDISC® DISC PACK KITS

Finite element analysis (FEA) led to the optimum disc pack profile in terms of torque transmission and misalignment absorption.

The disc pack kit is composed of a number of individual thin discs which are held together by a socket and a ring to form a compact disc pack. Three different types of JAURE disc packs are available: 6, 8 and 10 bolts. Higher number of bolts means larger torque transmission and lower misalignment absorption capacity.

For the proper operation and optimal lifetime of a Lamidisc coupling, it is of high importance to follow strictly our installation and maintenance manual.



6 Bolts disc pack

COUPLING SIZE	KIT ARTICLE CODE (1)	TN NOMINAL	TP MAX	S	AXIAL MISALIGNMENT ±ΔKa (2)	ANGULAR MISALIGNMENT ±ΔKw (2)
		Nm	Nm	mm	mm	deg
90-6	KTLA0010021	240	480	7,5	1,5	
110-6	KTLA0010022	575	1150	8,4	2,1	
132-6	KTLA0010023	1100	2200	8,4	2,6	
158-6	KTLA0010024	2000	4000	11,2	3,1	
185-6	KTLA0010025	3300	6600	14	3,7	
202-6	KTLA0010026	4600	9200	15,5	3,8	
228-6	KTLA0010027	7000	14000	17,5	4,2	
255-6	KTLA0010028	10200	20400	20,5	4,7	
278-6	KTLA0010029	14200	28400	21,2	5,2	
302-6	KTLA0010030	20000	40000	24,4	5,7	
325-6	KTLA0010031	25000	50000	26	6,5	
345-6	KTLA0010054	31000	62000	28,2	6,9	
380-6	KTLA0010060	42300	84600	32	7,6	1
410-6	KTLA0010056	57100	114200	33,2	8,2	
440-6	KTLA0010055	73500	147000	36,4	8,8	
475-6	KTLA0010061	92000	184000	38,2	9,5	
505-6	KTLA0010064	117000	234000	42	10,1	
540-6	KTLA0010089	145000	290000	46	10,5	
570-6	KTLA0010090	175000	350000	51,6	11,1	
605-6	KTLA0010091	210000	420000	53,2	11,7	
635-6	KTLA0010092	248000	496000	60,8	12,3	
675-6	KTLA0010093	306000	612000	65,2	13	
700-6	KTLA0010094	349000	698000	68,8	13,5	
730-6	KTLA0010095	413000	826000	71,2	14,2	
760-6	KTLA0010096	473000	946000	72,8	14,8	

**DNV GL and Nauticus are believed to be the trademarks and/or trade names of Det Norske Veritas Group, and are not owned or controlled by Regal Rexnord Corporation.*