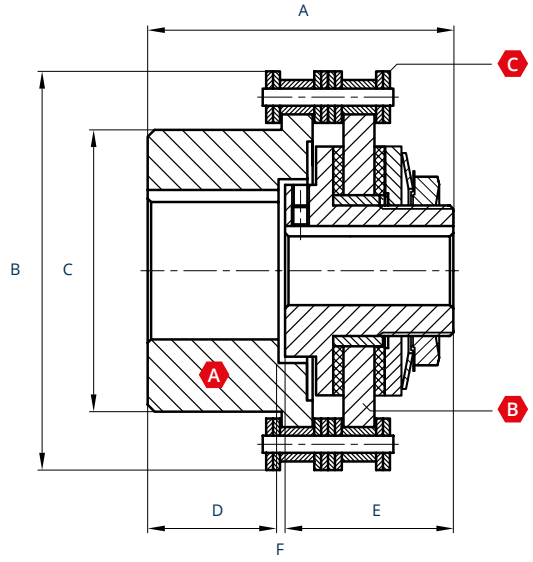
DELTA DB with chain coupling RKC (KIT)



Coupling Model Number	Number of disc spring LBS, FT		Misalign	
DB RKC	min.	max.	max. Parallel [mm]	max. Angular [Grad / Degrees]
120-1	0,5	3,5	.010	1/2
120-2	1	7,0	.010	1/2
180-1	1,5	7,5	.010	1/2
180-2	3	15	.010	1/2
250-1	5	25	.010	0,75
250-2	10	50	.010	0,75
350-1	15	65	.012	0,75
350-2	30	120	.012	0,75
500-1	35	200	.015	0,75
500-1	70	400	.015	0,75
700-1	85	500	.020	0,90
700-2	170	950	.020	0,90

DELTA DB RKC torque limiter couplings are strong and uncomplicated overload protections for the connection of two shafts. They consist of a normal torque limiter Series DB with in-built sprocket and an additional sprocket with hub. The two sprockets are connected with a double roller chain type DIN 8187 ISO R606B, tightly but slightly elastically. The two ends of the chain are joined with a connecting link.

DELTA DB RKC torque limiter couplings are used as overload protection when a small parallel or angular deviation of the connecting shafts cannot be ruled out.

DELTA DB RKC torque limiter couplings can be installed in a horizontal or vertical position. The operating temperatures are between –20 °C and +250 °C. Maximum peak temperatures of +350 °C are possible.

Coupling KIT consist of sprocket A, plate wheel B and double stand roller chain C.

Coupling Model Number	Sprocket Size*	max. Bore		Dimensions** [inches]					
DB RKC		Torque Limiter	Sprocket A	A	B	C	D	E	F
120-2 RKC	**06B-19**	7/8	1	2 1/4	2 5/8	1 3/4	7/8	1 1/4	1/8
180-2 RKC	**06B-22**	7/8	1 1/4	2 3/8	3	2 1/8	7/8	1 3/8	1/8
250-2 RKC	**08B-22**	7/8	1 3/4	3	4	3	1	1 7/8	1/8
350-2 RKC	**10B-24**	1 1/8	2	4 1/16	5 3/8	4	1 1/2	2 7/6	1/8
500-2 RKC	**12B-25**	1 3/4	3	4 3/4	7 3/8	5	1 5/8	3	1/8
700-2 RKC	**16B-26**	2 5/8	4 1/2	6 5/8	9 7/8	7	2 5/8	3 7/8	1/8

* Coupling sprockets minimum plain bore.
** Torque limiter only, includes one (1) setscrew.

Standard bore tolerance		
Nominal diameter		
Over	Thru	Tolerance
–	**3**	+ .002 - .000
3	**4**	+ .003 - .000
4	**5**	+ .004 - .000