

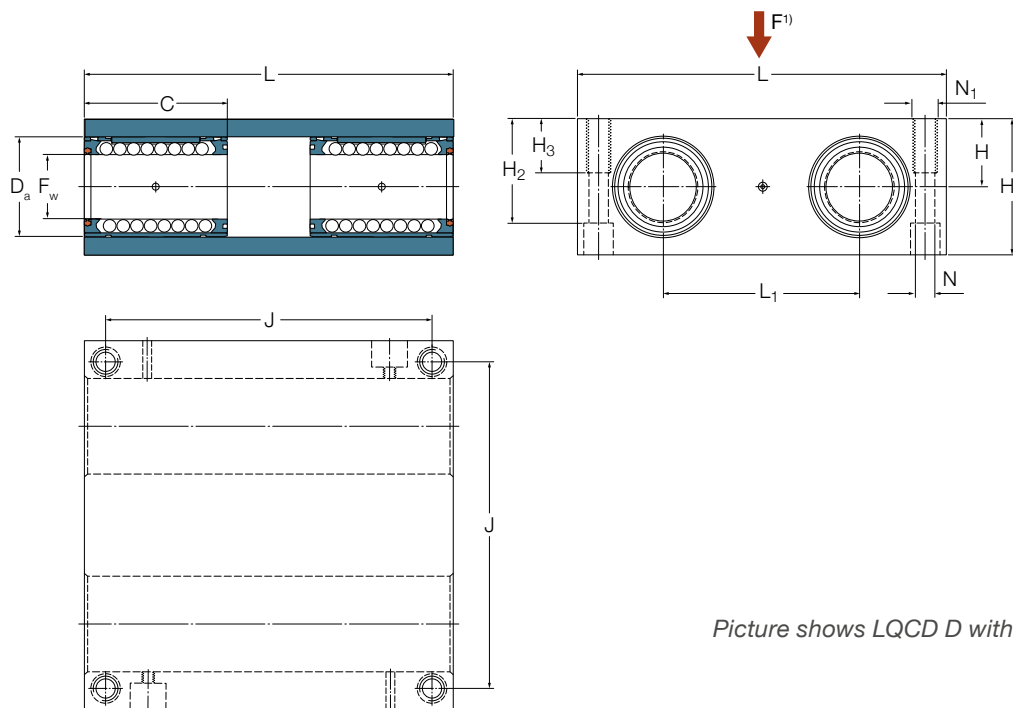
3.4.11 Standard quadro units - LQCR/LQCD

- LQCR with rigid LBCR bearing
 - LQCD with self-aligning LBCD bearing
 - LQCR PA with LPAR linear plain bearing
- Closed design in sizes from 8 mm to 50 mm
 - Aluminium housing with 4 mounted bearings
 - Available as sealed or shielded variant
 - Available as bearing steel (standard) or stainless steel variant
 - Factory pre-lubricated with SKF LGEP 2 grease, ready for use
 - Equipped with grease fitting
 - Able to bolt from top or bottom side

Please find suitable shaft blocks or shaft supports in **chapter 3.6** and shafts in **chapter 3.7**



Pictured is LQCD 30 D-2LS ²⁾



Picture shows LQCD D with double lip seals on the outside ²⁾

Dimensions											
F_w	C	D_a	$H_{\pm 0,01}$	H_1	H_2	H_3	J	L	L_1	$N^{3)}$	N_1
mm											—
8	25	16	11,5	23	17,5	11	55	65	32	4,3	M5
12	32	22	16	32	25	13	73	85	42	5,3	M6
16	36	26	18	36	29	13	88	100	54	5,3	M6
20	45	32	23	46	37,5	18	115	130	72	6,6	M8
25	58	40	28	56	45	22	140	160	88	8,4	M10
30	68	47	32	64	50,5	26	158	180	96	10,5	M12
40	80	62	40	80	64	34	202	230	122	13,5	M16
50	100	75	48	96	80	34	250	280	152	13,5	M16

¹⁾ Direction for max. load ratings

²⁾ Picture with non D-series bearing or plain bearing differs

³⁾ For 4 cylinder head screws with internal hexagon according to ISO 4762

LQCR

Designations			Mass	Basic load ratings ¹⁾			
LBCR bearing inside with shields	with double lip seal	Stainless steel variant of LBCR bearing with double lip seal		dynamic C min N	max	static C ₀ min	max
–			kg				
LQCR 8 ^{2) n)}	LQCR 8-2LS ^{2) n)}	LQCR 8-2LS/HV6 ^{2) n)}	0,219	1 290	1 500	1 430	2 000
LQCR 12 D ⁿ⁾	LQCR 12 D-2LS ⁿ⁾	LQCR 12 D-2LS/HV6 ⁿ⁾	0,513	2 450	3 600	2 800	4 500
LQCR 16 D ⁿ⁾	LQCR 16 D-2LS ⁿ⁾	LQCR 16 D-2LS/HV6 ⁿ⁾	0,768	2 850	4 250	3 200	5 200
LQCR 20 D ⁿ⁾	LQCR 20 D-2LS ⁿ⁾	LQCR 20 D-2LS/HV6 ⁿ⁾	1,731	5 850	8 650	6 550	10 600
LQCR 25 D ⁿ⁾	LQCR 25 D-2LS ⁿ⁾	LQCR 25 D-2LS/HV6 ⁿ⁾	3,112	8 150	12 000	9 500	15 300
LQCR 30 D ⁿ⁾	LQCR 30 D-2LS ⁿ⁾	LQCR 30 D-2LS/HV6 ⁿ⁾	4,419	12 700	18 600	14 300	22 800
LQCR 40 D ⁿ⁾	LQCR 40 D-2LS ⁿ⁾	LQCR 40 D-2LS/HV6 ⁿ⁾	8,642	20 000	30 000	20 400	33 500
LQCR 50 ⁿ⁾	LQCR 50-2LS ⁿ⁾	LQCR 50-2LS/HV6 ⁿ⁾	15,090	25 500	35 500	29 000	49 000

LQCD

Designations			Mass	Basic load ratings ¹⁾			
Self-aligning LBCD bearing inside with shields	with double lip seal	Stainless steel variant of self-aligning LBCD bearing inside with double lip seal		dynamic C min N	max	static C ₀ min	max
–			kg				
LQCD 12 D ⁿ⁾	LQCD 12 D-2LS	LQCD 12 D-2LS/HV6 ⁿ⁾	0,513	2 120	3 200	2 280	3 750
LQCD 16 D ⁿ⁾	LQCD 16 D-2LS	LQCD 16 D-2LS/HV6 ⁿ⁾	0,764	2 500	3 650	2 600	4 250
LQCD 20 D ⁿ⁾	LQCD 20 D-2LS	LQCD 20 D-2LS/HV6 ⁿ⁾	1,727	4 550	6 700	4 500	7 200
LQCD 25 D ⁿ⁾	LQCD 25 D-2LS	LQCD 25 D-2LS/HV6 ⁿ⁾	3,104	6 800	10 000	5 700	9 300
LQCD 30 D ⁿ⁾	LQCD 30 D-2LS	LQCD 30 D-2LS/HV6 ⁿ⁾	4,411	10 000	14 600	9 300	15 000
LQCD 40 D ⁿ⁾	LQCD 40 D-2LS	LQCD 40 D-2LS/HV6 ⁿ⁾	8,614	17 300	25 500	13 400	22 800
LQCD 50 ⁿ⁾	LQCD 50-2LS	LQCD 50-2LS/HV6 ⁿ⁾	15,010	2 1200	30 000	16 600	28 000

LQCR PA

Designations	Mass	Basic load ratings		static ³⁾ C ₀
LPAR linear plain bearing inside		dynamic C at 0,1 m/s N	at 4 m/s	
–	kg			
LQCR 8 PA ⁿ⁾	0,203	2 280	56	8 000
LQCR 12 PA ⁿ⁾	0,473	4 240	104	14 600
LQCR 16 PA ⁿ⁾	0,724	6 720	172	23 400
LQCR 20 PA ⁿ⁾	1,619	10 800	272	38 000
LQCR 25 PA ⁿ⁾	2,900	17 600	440	61 200
LQCR 30 PA ⁿ⁾	4,091	24 000	600	83 200
LQCR 40 PA ⁿ⁾	8,070	34 600	864	120 000
LQCR 50 PA ⁿ⁾	14,490	50 800	1 280	180 000

Items without letter footnote are usually available from stock.

ⁿ⁾ Delivery time on request

¹⁾ Delivery time usually 10 days for max. quantity of 4; larger quantities on request

¹⁾ Basic load ratings are valid for bearing steel and stainless steel variants, but they must be reduced if stainless steel shafts are used

²⁾ Units in size 8 mm are without relubrication

³⁾ Valid if the loads onto the housing are exclusively in direction of red arrow. See dimensional drawing on left page