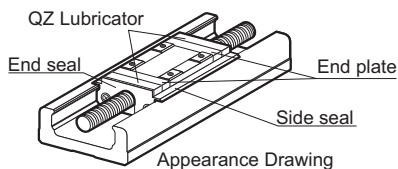


QZ Lubricator (compatible models: KR33, KR46, KR55, KR65)

The QZ Lubricator for KR feeds the proper amount of lubricant to the outer rail and ball screw shaft raceway. This allows an oil film to be constantly formed between the balls and the raceway, significantly extending the lubrication maintenance interval.



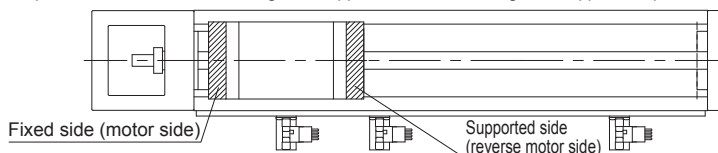
[Features]

- Since it supplements lost oil, the lubrication maintenance interval can be significantly extended.
- This is an eco-friendly lubrication system that does not contaminate the surrounding area because it feeds the correct amount of lubricant to the ball raceway.

[KR-QZ Configuration]

Symbol	Block type	Description
QZ	A/B/C/D	QZ with all blocks both sides specification
QZA	A/C	QZ with fixed side specification
QZB	A/C	QZ with supported side specification
QZAD	B/D	QZ with fixed side (inner block with screw) + QZ with supported side (free block) specifications

Note) The QZ specification does not include a grease nipple. Contact THK if a grease nipple is required.



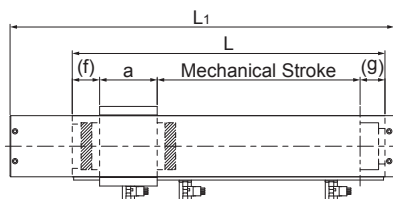
Constitution	QZ	QZA	QZB	QZAD
Type A (with a Single Long Nut Block)	 Fixed side Supported side	 Fixed side Supported side	 Fixed side Supported side	—
Type B (with Two Long Nut Blocks)	 Fixed side Supported side	—	—	 Fixed side Supported side
Type C (with a Single Short Nut Block)	 Fixed side Supported side	 Fixed side Supported side	 Fixed side Supported side	—
Type D (with Two Short Nut Blocks)	 Fixed side Supported side	—	—	 Fixed side Supported side

[Dimensions with QZ Lubricator]

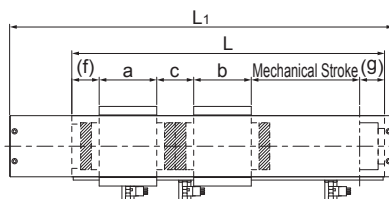
Code: QZ (with cover)

Model No. KR33/46/55/65

Block type : A/B/C/D



Block type A/C



Block type B/D

Unit: mm

Model No.	Block type	Overall length L_1	Outer rail length L	Stroke ^{*1,2}	a	b	C	f	g
KR33	A	220	150	—	54	—	—	33	27.5
		270	200	75(85.5)					
		370	300	175(185.5)					
		470	400	275(285.5)					
		570	500	375(385.5)					
		670	600	475(485.5)					
	770	700	575(585.5)						
	B	220	150	—	54	54	48	33	27.5
		270	200	—					
		370	300	70(83.5)					
		470	400	170(183.5)					
		570	500	270(283.5)					
		670	600	370(383.5)					
	770	700	470(483.5)						
	C	220	150	50(61)	28.5	—	—	33	27.5
		270	200	100(111)					
		370	300	200(211)					
		470	400	300(311)					
		570	500	400(411)					
		670	600	500(511)					
	770	700	600(611)						
	D	220	150	—	28.5	28.5	48	33	27.5
		270	200	—					
		370	300	125(134.5)					
470		400	225(234.5)						
570		500	325(334.5)						
670		600	425(434.5)						
770	700	525(534.5)							

*1 The value in the parentheses represents the maximum stroke.

*2 The strokes for block types B and D are the values when in contact with the inner block.

Unit: mm

Model No.	Block type	Overall length L ₁	Outer rail length L	Stroke ^{*1,2}	a	b	C	f	g
KR46	A	440.5	340	160(178)	81	—	—	44.5	36.5
		540.5	440	260(278)					
		640.5	540	360(378)					
		740.5	640	460(478)					
		840.5	740	560(578)					
		940.5	840	660(678)					
	B	1040.5	940	760(778)	81	81	59	44.5	36.5
		440.5	340	—					
		540.5	440	120(138)					
		640.5	540	220(238)					
		740.5	640	320(338)					
		840.5	740	420(438)					
	C	940.5	840	520(538)	43.5	—	—	44.5	36.5
		1040.5	940	620(638)					
		440.5	340	190(215.5)					
		540.5	440	290(315.5)					
		640.5	540	390(415.5)					
		740.5	640	490(515.5)					
	D	840.5	740	590(615.5)	43.5	43.5	59	44.5	36.5
		940.5	840	690(715.5)					
		1040.5	940	790(815.5)					
		440.5	340	90(113)					
		540.5	440	190(213)					
		640.5	540	290(313)					
KR55	A	740.5	640	490(515.5)	95.2	—	—	47.4	43.4
		840.5	740	590(615.5)					
		940.5	840	690(715.5)					
		1040.5	940	790(815.5)					
		1089	980	770(794)					
	B	1189	1080	870(894)	95.2	95.2	64.8	47.4	43.4
		1289	1180	970(994)					
		1389	1280	1070(1094)					
		1489	1380	1170(1194)					
		1089	980	615(634)					
KR65	A	1189	1080	715(734)	110	—	—	47.9	44.1
		1289	1180	815(834)					
		1389	1280	915(934)					
		1489	1380	1015(1034)					
	B	1098	980	760(778)	110	110	67	47.9	44.1
		1298	1180	960(978)					
		1498	1380	1160(1178)					
		1798	1680	1460(1478)					
		1098	980	580(601)					
		1298	1180	780(801)					
1498	1380	980(1001)							
1798	1680	1280(1301)							

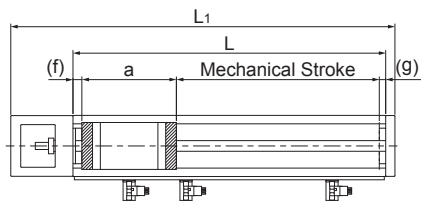
*1 The value in the parentheses represents the maximum stroke.

*2 The strokes for block types B and D are the values when in contact with the inner block.

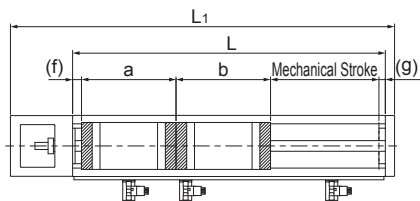
Code: QZ (without cover)

Model No. : KR33/46/55/65

Block type : A/B/C/D



Block type A/C



Block type B/D

Unit: mm

Model No.	Block type	Overall length L_1	Outer rail length L	Stroke ^{*1,2}	a ^{*3}	b ^{*3}	f	g
KR33	A	220	150	—	102 (98)	—	11	5.5
		270	200	75(85.5)				
		370	300	175(185.5)				
		470	400	275(285.5)				
		570	500	375(385.5)				
		670	600	475(485.5)				
	770	700	575(585.5)					
	B	220	150	—	102 (100)	102 (100)	11	5.5
		270	200	—				
		370	300	70(83.5)				
		470	400	170(183.5)				
		570	500	270(283.5)				
		670	600	370(383.5)				
	770	700	470(483.5)					
	C	220	150	50(61)	76.5 (72.5)	—	11	5.5
		270	200	100(111)				
		370	300	200(211)				
		470	400	300(311)				
		570	500	400(411)				
		670	600	500(511)				
	770	700	600(611)					
	D	220	150	—	76.5 (74.5)	76.5 (74.5)	11	5.5
		270	200	—				
		370	300	125(134.5)				
470		400	225(234.5)					
570		500	325(334.5)					
670		600	425(434.5)					
770	700	525(534.5)						

*1 The value in the parentheses represents the maximum stroke.

*2 The strokes for block types B and D are the values when in contact with the inner block.

*3 () indicates the length of the inner block when calculating the allowed stroke range.

Unit: mm

Model No.	Block type	Overall length L ₁	Outer rail length L	Stroke ^{*1,2}	a ³	b ³	f	g
KR46	A	440.5	340	160(178)	140 (136)	—	17	9
		540.5	440	260(278)				
		640.5	540	360(378)				
		740.5	640	460(478)				
		840.5	740	560(578)				
		940.5	840	660(678)				
	1040.5	940	760(778)					
	B	440.5	340	—	140 (138)	140 (138)	17	9
		540.5	440	120(138)				
		640.5	540	220(238)				
		740.5	640	320(338)				
		840.5	740	420(438)				
		940.5	840	520(538)				
	1040.5	940	620(638)					
	C	440.5	340	190(215.5)	102.5 (98.5)	—	17	9
		540.5	440	290(315.5)				
		640.5	540	390(415.5)				
		740.5	640	490(515.5)				
		840.5	740	590(615.5)				
		940.5	840	690(715.5)				
	1040.5	940	790(815.5)					
	D	440.5	340	90(113)	102.5 (100.5)	102.5 (100.5)	17	9
		540.5	440	190(213)				
		640.5	540	290(313)				
740.5		640	390(413)					
840.5		740	490(513)					
940.5		840	590(613)					
1040.5	940	690(713)						
KR55	A	1089	980	770(794)	160	—	15	11
		1189	1080	870(894)				
		1289	1180	970(994)				
		1389	1280	1070(1094)				
		1489	1380	1170(1194)				
	B	1089	980	615(634)	160	160	15	11
		1189	1080	715(734)				
		1289	1180	815(834)				
		1389	1280	915(934)				
		1489	1380	1015(1034)				
KR65	A	1098	980	760(778)	177	—	14.4	10.6
		1298	1180	960(978)				
		1498	1380	1160(1178)				
		1798	1680	1460(1478)				
	B	1098	980	580(601)	177	177	14.4	10.6
		1298	1180	780(801)				
		1498	1380	980(1001)				
		1798	1680	1280(1301)				

*1 The value in the parentheses represents the maximum stroke.

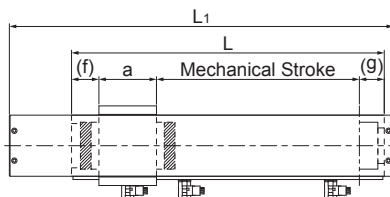
*2 The strokes for block types B and D are the values when in contact with the inner block.

*3 () indicates the length of the inner block when calculating the allowed stroke range.

Code: QZA (with cover)

Model No. : KR33/46/55/65

Block type : A/C



Block type A/C

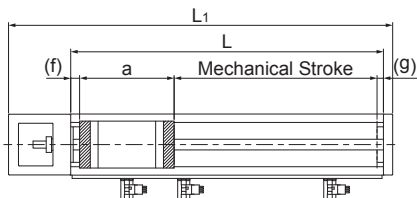
Unit: mm

Model No.	Block type	Overall length L_1	Outer rail length L	Stroke ^{*1}	a	f	g
KR33	A	220	150	—	54	33	14.5
		270	200	85(98.5)			
		370	300	185(198.5)			
		470	400	285(298.5)			
		570	500	385(398.5)			
		670	600	485(498.5)			
	770	700	585(598.5)				
	C	220	150	60(74)	28.5	33	14.5
		270	200	110(124)			
		370	300	210(224)			
		470	400	310(324)			
		570	500	410(424)			
670		600	510(524)				
770	700	610(624)					
KR46	A	440.5	340	175(193)	81	44.5	21.5
		540.5	440	275(293)			
		640.5	540	375(393)			
		740.5	640	475(493)			
		840.5	740	575(593)			
		940.5	840	675(693)			
	1040.5	940	775(793)				
	C	440.5	340	205(230.5)	43.5	44.5	21.5
		540.5	440	305(330.5)			
		640.5	540	405(430.5)			
		740.5	640	505(530.5)			
		840.5	740	605(630.5)			
940.5		840	705(730.5)				
1040.5	940	805(830.5)					
KR55	A	1089	980	785(810)	95.2	47.4	27.4
		1189	1080	885(910)			
		1289	1180	985(1010)			
		1389	1280	1085(1110)			
		1489	1380	1185(1210)			
KR65	A	1098	980	775(794)	110	47.9	28.1
		1298	1180	975(994)			
		1498	1380	1175(1194)			
		1798	1680	1475(1494)			

Note) Block types B and D cannot be selected for QZA.

*1 The value in the parentheses represents the maximum stroke.

Code: QZA (without cover)
 Model No. : KR33/46/55/65
 Block type : A/C



Block type A/C

Unit: mm

Model No.	Block type	Overall length L_1	Outer rail length L	Stroke ^{*1}	a^2	f	g
KR33	A	220	150	—	89 (85)	11	5.5
		270	200	85(98.5)			
		370	300	185(198.5)			
		470	400	285(298.5)			
		570	500	385(398.5)			
		670	600	485(498.5)			
	C	220	150	60(74)	63.5 (59.5)	11	5.5
		270	200	110(124)			
		370	300	210(224)			
		470	400	310(324)			
		570	500	410(424)			
		670	600	510(524)			
KR46	A	440.5	340	175(193)	125 (121)	17	9
		540.5	440	275(293)			
		640.5	540	375(393)			
		740.5	640	475(493)			
		840.5	740	575(593)			
		940.5	840	675(693)			
	C	440.5	340	205(230.5)	87.5 (83.5)	17	9
		540.5	440	305(330.5)			
		640.5	540	405(430.5)			
		740.5	640	505(530.5)			
		840.5	740	605(630.5)			
		940.5	840	705(730.5)			
KR55	A	1089	980	785(810)	144	15	11
		1189	1080	885(910)			
		1289	1180	985(1010)			
		1389	1280	1085(1110)			
		1489	1380	1185(1210)			
KR65	A	1098	980	775(794)	161	14.4	10.6
		1298	1180	975(994)			
		1498	1380	1175(1194)			
		1798	1680	1475(1494)			

Note) Block types B and D cannot be selected for QZA.

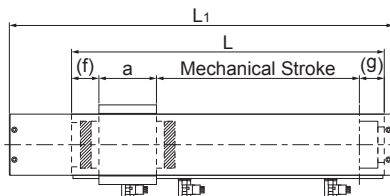
*1 The value in the parentheses represents the maximum stroke.

*2 () indicates the length of the inner block when calculating the allowed stroke range.

Code: QZB (with cover)

Model No. : KR33/46/55/65

Block type : A/C



Block type A/C

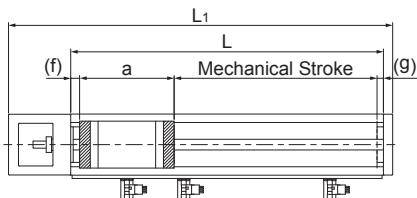
Unit: mm

Model No.	Block type	Overall length L ₁	Outer rail length L	Stroke ^{*1}	a	f	g
KR33	A	220	150	—	54	20	27.5
		270	200	85(98.5)			
		370	300	185(198.5)			
		470	400	285(298.5)			
		570	500	385(398.5)			
		670	600	485(498.5)			
	770	700	585(598.5)				
	C	220	150	60(74)	28.5	20	27.5
		270	200	110(124)			
		370	300	210(224)			
		470	400	310(324)			
		570	500	410(424)			
670		600	510(524)				
770	700	610(624)					
KR46	A	440.5	340	175(193)	81	29.5	36.5
		540.5	440	275(293)			
		640.5	540	375(393)			
		740.5	640	475(493)			
		840.5	740	575(593)			
		940.5	840	675(693)			
	1040.5	940	775(793)				
	C	440.5	340	205(230.5)	43.5	29.5	36.5
		540.5	440	305(330.5)			
		640.5	540	405(430.5)			
		740.5	640	505(530.5)			
		840.5	740	605(630.5)			
940.5		840	705(730.5)				
1040.5	940	805(830.5)					
KR55	A	1089	980	785(810)	95.2	31.4	43.4
		1189	1080	885(910)			
		1289	1180	985(1010)			
		1389	1280	1085(1110)			
		1489	1380	1185(1210)			
KR65	A	1098	980	775(794)	110	31.9	44.1
		1298	1180	975(994)			
		1498	1380	1175(1194)			
		1798	1680	1475(1494)			

Note) Block types B and D cannot be selected for QZB.

*1 The value in the parentheses represents the maximum stroke.

Code: QZB (without cover)
 Model No. : KR33/46/55/65
 Block type : A/C



Block type A/C

Unit: mm

Model No.	Block type	Overall length L ₁	Outer rail length L	Stroke ^{*1}	a ^{*2}	f	g
KR33	A	220	150	—	89 (85)	11	5.5
		270	200	85(98.5)			
		370	300	185(198.5)			
		470	400	285(298.5)			
		570	500	385(398.5)			
		670	600	485(498.5)			
	770	700	585(598.5)				
	C	220	150	60(74)	63.5 (59.5)	11	5.5
		270	200	110(124)			
		370	300	210(224)			
		470	400	310(324)			
		570	500	410(424)			
670		600	510(524)				
KR46	A	440.5	340	175(193)	125 (121)	17	9
		540.5	440	275(293)			
		640.5	540	375(393)			
		740.5	640	475(493)			
		840.5	740	575(593)			
		940.5	840	675(693)			
	1040.5	940	775(793)				
	C	440.5	340	205(230.5)	87.5 (83.5)	17	9
		540.5	440	305(330.5)			
		640.5	540	405(430.5)			
		740.5	640	505(530.5)			
		840.5	740	605(630.5)			
940.5		840	705(730.5)				
1040.5	940	805(830.5)					
KR55	A	1089	980	785(810)	144	15	11
		1189	1080	885(910)			
		1289	1180	985(1010)			
		1389	1280	1085(1110)			
		1489	1380	1185(1210)			
KR65	A	1098	980	775(794)	161	14.4	10.6
		1298	1180	975(994)			
		1498	1380	1175(1194)			
		1798	1680	1475(1494)			

Note) Block types B and D cannot be selected for QZB.

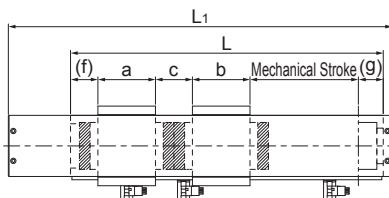
*1 The value in the parentheses represents the maximum stroke.

*2 () indicates the length of the inner block when calculating the allowed stroke range.

Code: QZAD (with cover)

Model No. : KR33/46/55/65

Block type : B/D



Block type B/D

Unit: mm

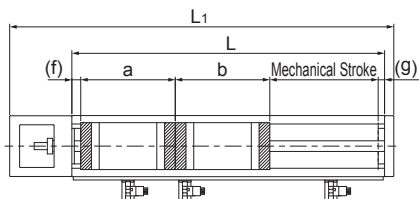
Model No.	Block type	Overall length L ₁	Outer rail length L	Stroke ^{*1,2}	a	b	C	f	g
KR33	B	220	150	—	54	54	22	33	27.5
		270	200	—					
		370	300	100(109.5)					
		470	400	200(209.5)					
		570	500	300(309.5)					
		670	600	400(409.5)					
		770	700	500(509.5)					
	D	220	150	—	28.5	28.5	22	33	27.5
		270	200	50(60.5)					
		370	300	150(160.5)					
		470	400	250(260.5)					
		570	500	350(360.5)					
		670	600	450(460.5)					
		770	700	550(560.5)					
KR46	B	440.5	340	—	81	81	29	44.5	36.5
		540.5	440	150(168)					
		640.5	540	250(268)					
		740.5	640	350(368)					
		840.5	740	450(468)					
		940.5	840	550(568)					
		1040.5	940	650(668)					
	D	440.5	340	120(143)	43.5	43.5	29	44.5	36.5
		540.5	440	220(243)					
		640.5	540	320(343)					
		740.5	640	420(443)					
		840.5	740	520(543)					
		940.5	840	620(643)					
		1040.5	940	720(743)					
KR55	B	1089	980	650(666)	95.2	95.2	32.8	47.4	43.4
		1189	1080	750(766)					
		1289	1180	850(866)					
		1389	1280	950(966)					
		1489	1380	1050(1066)					
KR65	B	1098	980	610(633)	110	110	35	47.9	44.1
		1298	1180	810(833)					
		1498	1380	1010(1033)					
		1798	1680	1310(1333)					

Note) Block types A and C cannot be selected for QZAD.

*1 The value in the parentheses represents the maximum stroke.

*2 The strokes for block types B and D are the values when in contact with the inner block.

Code: QZAD (without cover)
 Model No. : KR33/46/55/65
 Block type : B/D



Block type B/D

Unit: mm

Model No.	Block type	Overall length L_1	Outer rail length L	Stroke ^{*1,2}	a^3	b^3	f	g
KR33	B	220	150	—	89 (87)	89 (87)	11	5.5
		270	200	—				
		370	300	100(109.5)				
		470	400	200(209.5)				
		570	500	300(309.5)				
		670	600	400(409.5)				
		770	700	500(509.5)				
	D	220	150	—	63.5 (61.5)	63.5 (61.5)	11	5.5
		270	200	50(60.5)				
		370	300	150(160.5)				
		470	400	250(260.5)				
		570	500	350(360.5)				
		670	600	450(460.5)				
		770	700	550(560.5)				
KR46	B	440.5	340	—	125 (123)	125 (123)	17	9
		540.5	440	150(168)				
		640.5	540	250(268)				
		740.5	640	350(368)				
		840.5	740	450(468)				
		940.5	840	550(568)				
		1040.5	940	650(668)				
	D	440.5	340	120(143)	87.5 (85.5)	87.5 (85.5)	17	9
		540.5	440	220(243)				
		640.5	540	320(343)				
		740.5	640	420(443)				
		840.5	740	520(543)				
		940.5	840	620(643)				
		1040.5	940	720(743)				
KR55	B	1089	980	650(666)	144	144	15	11
		1189	1080	750(766)				
		1289	1180	850(866)				
		1389	1280	950(966)				
		1489	1380	1050(1066)				
KR65	B	1098	980	610(633)	161	161	14.4	10.6
		1298	1180	810(833)				
		1498	1380	1010(1033)				
		1798	1680	1310(1333)				

Note) Block types A and C cannot be selected for QZAD.

*1 The value in the parentheses represents the maximum stroke.

*2 The strokes for block types B and D are the values when in contact with the inner block.

*3 () indicates the length of the inner block when calculating the allowed stroke range.