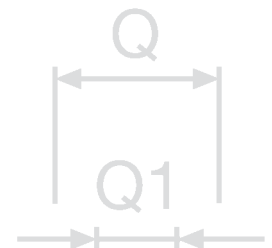


# Dimensions / Performance data 3 QLC/K - KS



			Chuck Size			
Type 3QLC-KS / QLK-KS			200-77	250-101	315-135	400-168
<b>Dimensions</b>						
Outer diameter	øA	mm	210	257	320	400
Bore	øB <sup>+0.1</sup>	mm	77	101	135	168
Chuck mounting	øC	mm	Z6	Z8	Z11	Z15
Jaw mounting/DIN 6353	D		S11	S11	S12	S12
Register Ø of draw tube	B2 <sup>H7</sup>	mm	85	112	140	173
Mounting recess	E <sup>H6</sup>	mm	170	220	300	380
Actuator Ø	F	mm	97	123	153	190
Mounting bolts	G		M12 x 90	M16 x 95	M20 x 90	M24 x 80
Thread mounting	G1		M90 x 2	M115 x 2	M145 x 2	M180 x 2
Puller thread protective sleeve	G2		M5	M5	M6	M6
Chuck width	H	mm	90	90	98	98
Chuck width	H1	mm	92	92	100	100
Thread length of mounting bolts	J	mm	20	22	22	30
Thread length of actuator	J1	mm	24	24	24	24
Base jaw protrusion over chuck face	J2	mm	5	5	6	6
Actuator stroke	K	mm	18.5	20	20	20
Actuator position	K1	mm	18.5	20	20	20
Pitch circle Ø of Mounting bolts	L <sup>±0.2</sup>	mm	133.4	171.4	235	330.2
Pitch circle Ø of protective sleeve	L1 <sup>±0.2</sup>	mm	100	129	173	210
Jaw stroke	M	mm	5	5.3	5.3	5.3
Position of master jaw	N <sub>max</sub>	mm	52.5	67.5	85	100.5
Jaw mounting bolts	O		M12	M12	M16	M16
Distance	P1 <sub>min</sub>	mm	6	6	8	8
Jaw mounting bolts	P1 <sub>max</sub>	mm	20	29	34	58
Distance	P2 <sub>min</sub>	mm	25	25	32	32
Jaw mounting bolts	P2 <sub>max</sub>	mm	39	48	58	82
Minimum distance	P3	mm	19	19	24	24
Minimum distance	P4	mm	10	10	10	10
Distance T-nut and serration	P5	mm	2.5	2.5	2.5	2.5
Length of serrations	P6	mm	52.5	61	75	99.5
Jaw width	Q	mm	35	35	45	45
Slot width imperial	Q1 <sup>H7</sup>	mm	17	17	21	21
Slot width metric	Q1 <sup>H7</sup>	mm	12	14	16	21
Width	R	mm	6.6	6.6	9.6	9.6
Pitch of serration / imperial	T		1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°
Jaw mounting metric	D		MS12	MS14	MS16	MS21
Pitch of serration metric	T		1.5 x 60°	1.5 x 60°	1.5 x 60°	1.5 x 60°
Distance from 1st serration	T1	mm	1.5	1.5	1.5	1.5
<b>Performance data</b>						
Max. actuating force	F <sub>max</sub>	daN	2,500	4,000	6,000	6,000
Max. gripping force	F <sub>spmax</sub>	daN	6,000	10,000	15,000	16,000
Max. speed	QLC-KS	n <sub>max</sub>	1/min	6,300	5,000	4,000
Max. speed	QLK-KS	n <sub>max</sub>	1/min	5,000	4,200	3,000
Weight	G	kg	16	26	37	63
Moment of inertia	QLC-KS	kgm <sup>2</sup>	0.076	0.18	0.4	1.04
Moment of inertia	QLK-KS	kgm <sup>2</sup>	0.076	0.175	0.4	1.04
<b>Ident - Number</b>						
Imperial serration	QLC-KS		D170130000	D172073000	D168480000	D168481000
Metric serration	QLC-KS		D168718000	D168719000	D168720000	D168721000
Imperial serration	QLK-KS		D170131000	D168576000	D168577000	D168578000
Metric serration	QLK-KS		D170132000	D168538000	D168539000	D168540000



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