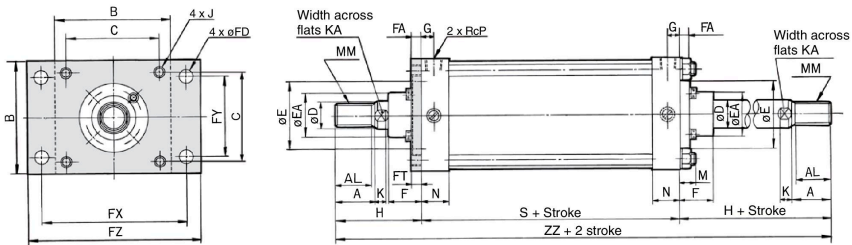
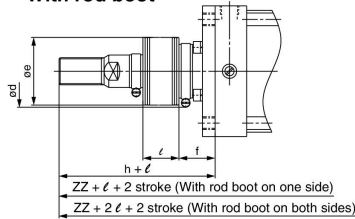


Rod Side Flange Type: CS1WF

Lube type (CS1WF), Non-lube type (CS1WFN), Air-hydro type (CS1WFH)



With rod boot



Type	Bore size (mm)	Stroke range (mm)		A	AL	B	B	C	D	E	EA	F	FA	FD	FT	FX	FY	FZ	G	J
		Without rod boot	With rod boot																	
Lube Non-lube	125	Up to 1000	30 to 1000	50	47	145	145	115	36	90	59	43	14	19	14	190	100	230	16	M14 x 1.5
	140	Up to 1000	30 to 1000	50	47	160	161	128	36	90	59	43	14	19	20	212	112	255	16	M14 x 1.5
Air-hydro	160	Up to 1200	30 to 1200	56	53	180	182	144	40	90	59	43	14	19	20	236	118	275	18.5	M16 x 1.5
	180	Up to 1200	30 to 1200	63	60	200	204	162	45	115	70	48	17	24	25	265	132	320	18.5	M18 x 1.5
Lube Non-lube	200	Up to 1200	30 to 1200	63	60	225	226	182	50	115	74	48	17	24	25	280	150	335	18.5	M20 x 1.5
	250	Up to 1200	30 to 1200	71	67	275	277	225	60	140	86	60	20	29	30	355	180	420	23	M24 x 1.5
	300	Up to 1200	30 to 1200	80	76	330	330	270	70	140	96	60	20	33	30	400	212	475	23	M30 x 1.5

Type	Bore size (mm)	K	KA	M	MM	N	P	S	(mm)									
									Without rod boot					With rod boot (Single side)				
									H	ZZ	d	e	f	h	ℓ	ZZ	ZZ	
Lube Non-lube	125	15	31	30	M30 x 1.5	35	1/2	98	110	318	82	75	40	133	0.2 stroke	341	364	
	140	15	31	24	M30 x 1.5	35	1/2	98	110	318	82	75	40	133	0.2 stroke	341	364	
Air-hydro	160	17	36	26	M36 x 1.5	39	3/4	106	120	346	82	75	40	141	0.2 stroke	367	388	
	180	20	41	31	M40 x 1.5	39	3/4	111	135	381	92	85	45	153	0.2 stroke	399	417	
Lube Non-lube	200	20	46	31	M45 x 1.5	39	3/4	111	135	381	96	90	45	153	0.2 stroke	399	417	
	250	25	56	35	M56 x 2	49	1	141	160	461	108	105	55	176	0.17 stroke	477	493	
	300	30	65	48	M64 x 2	49	1	146	175	496	118	115	55	190	0.17 stroke	511	526	

With Auto Switch: ø125 to ø200 Only (mm)

Type	Bore size (mm)	Stroke range (mm)		S	(mm)		
		Without rod boot	With rod boot		Without rod boot	With rod boot (Single side)	With rod boot (Both sides)
					ZZ	ZZ	ZZ
Lube	125	Up to 1000	30 to 1000	98	318	341	364
Non-lube	140	Up to 1000	30 to 1000	98	318	341	364
Air-hydro	160	Up to 1200	30 to 1200	106	346	367	388
Lube	180	Up to 1200	30 to 1200	115	385	403	421
Non-lube	200	Up to 998	30 to 998	120	390	408	426

*** Refer to "Minimum Stroke for Auto Switch Mounting" on page 562.

- JJ1
- CJP
- CJ2
- JCM
- CM2
- CM3
- CG1
- CG3
- JMB
- MB
- MB1
- CA2
- CS1
- CS2

- D-□
- X□
- Technical Data