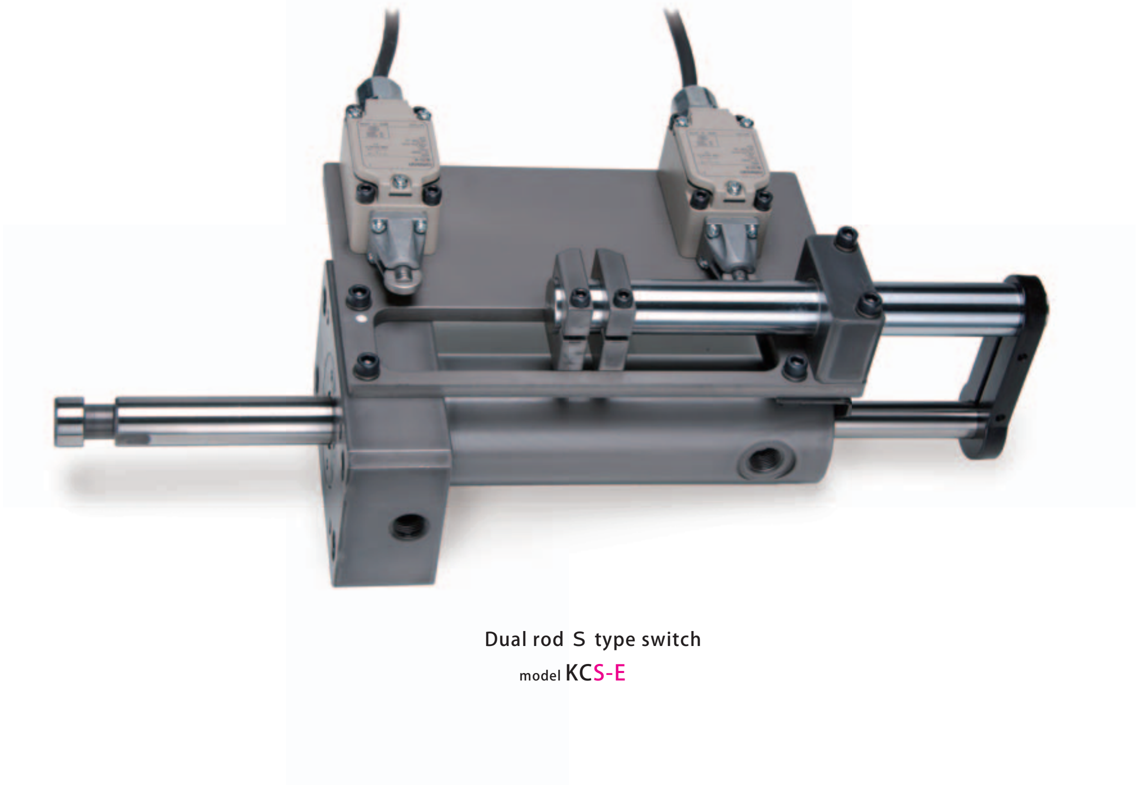
Hydraulic 16MPa

Three piece cylinder

Dual rod model KC-E

Three piece cylinder Dual rod
model KCL-E



Dual rod S type switch
model KCS-E

Pascal

www.pascaleng.co.jp

Model designation

Model designation **KC S 080 S N 150 L E**

❶Limit switch
❷Cylinder inner diameter
❸Rod tip section
❹Packing seal
❺Stroke
❻Limit switch mounting position

Specifications		
Maximum allowable working pressure	16 MPa	
Proof pressure	24 MPa	
Operating temperature range	Standard	0～70℃
	Thermal resistant specification	5～120℃ *1
Cushion	None	
Fluid used	General mineral based hydraulic oil (ISO-VG32 equivalent) Water glycol system working oil *2	

*1：The heatproof temperature is limited according to the specification of limit switch.

*2：Set the temperature range as 0-70℃ when using water glycol hydraulic oil.

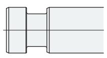
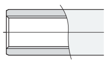
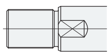
❶Limit switch

Symbol	L	B	S	C
Limit switch	Without limit switch	B-type switch	S-type switch	C-type switch

❷Cylinder inner diameter

Symbol	040	050	063	080	100	125
Cylinder inner diameter (mm)	ø40	ø50	ø63	ø80	ø100	ø125

❸Rod tip section

Symbol	S	F	M
Rod tip section	Stepped (standard) 	Female thread 	Male thread 

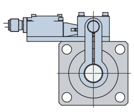
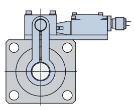
❹Packing seal

Symbol	N	V
Packing Material	NBR (Standard) Operating temperature：0~70℃	Fluorocarbon (Thermal resistant specification) Operating temperature：5~120℃

❺Stroke (The allowable stroke varies according to the inner diameter of cylinder. Refer to each page of cylinder for details.)

Symbol	010	015	020	025	050	065	080	100	125	150	200
Stroke (mm)	10	15	20	25	50	65	80	100	125	150	200

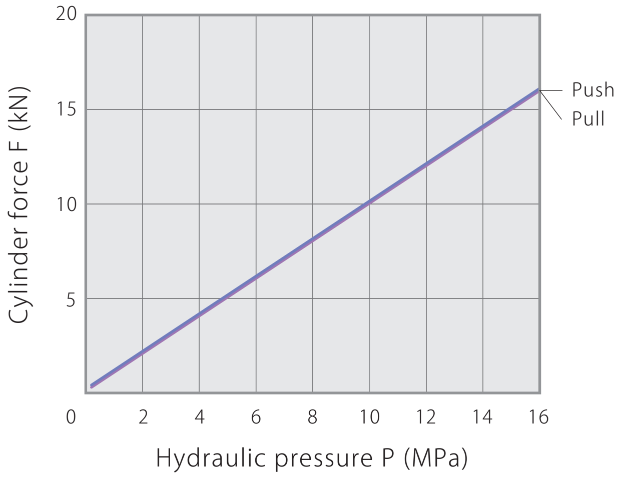
❻Limit switch mounting position (S-type switch, C-type switch only)

Symbol	L	R
Limit switch mounting position	Left 	Right 

Performance diagram

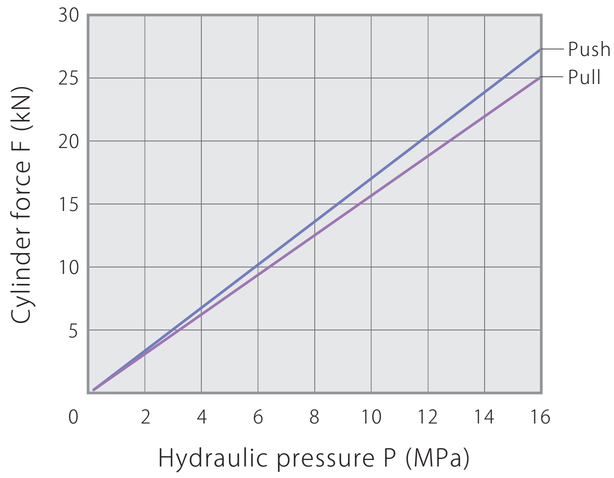
KC□040□□□E

F (Push)=1.002 x P
F (Pull)=1.002 x P



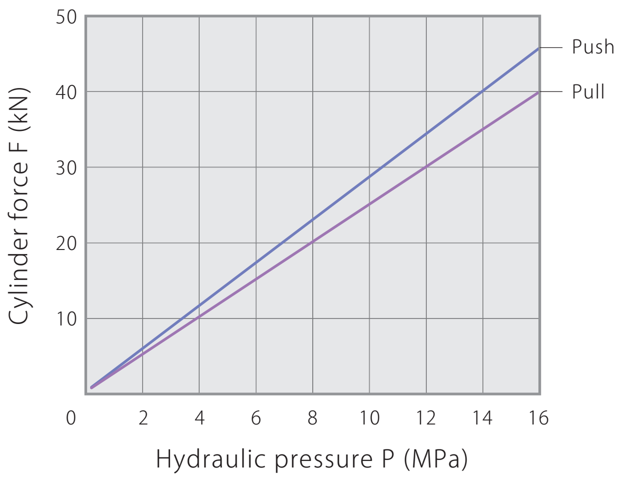
KC□050□□□E

F (Push)=1.706 x P
F (Pull)=1.569 x P



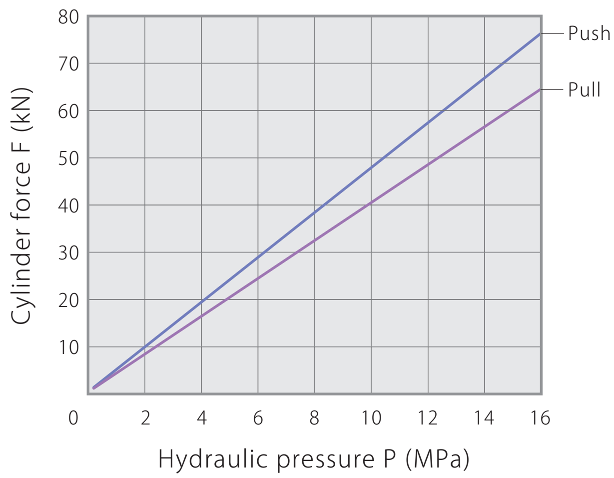
KC□063□□□E

F (Push)=2.863 x P
F (Pull)=2.501 x P



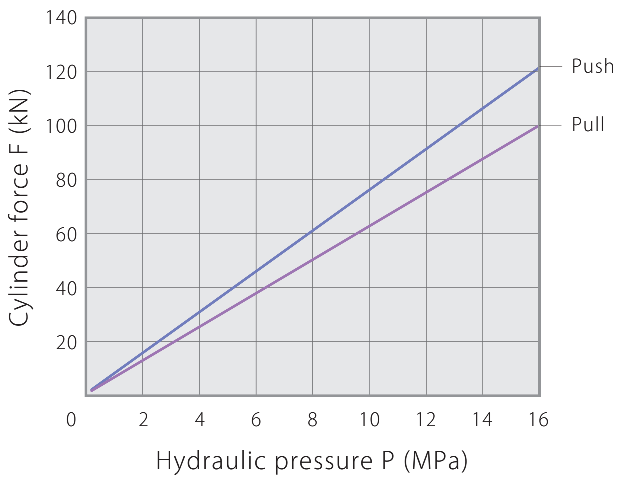
KC□080□□□E

F (Push)=4.775 x P
F (Pull)=4.037 x P



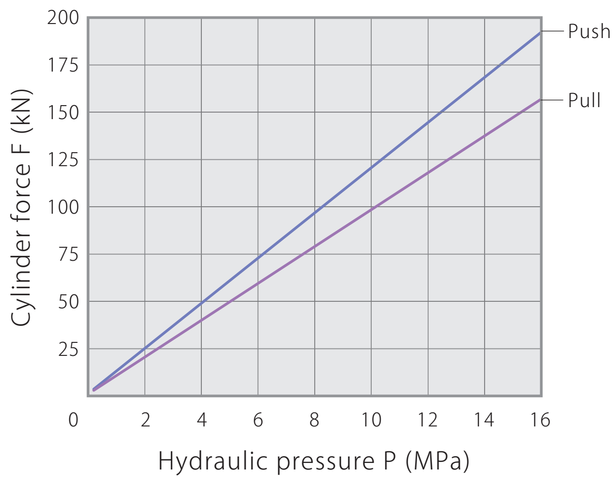
KC□100□□□E

F (Push)=7.600 x P
F (Pull)=6.264 x P



KC□125□□□E

F (Push)=12.019 x P
F (Pull)=9.809 x P

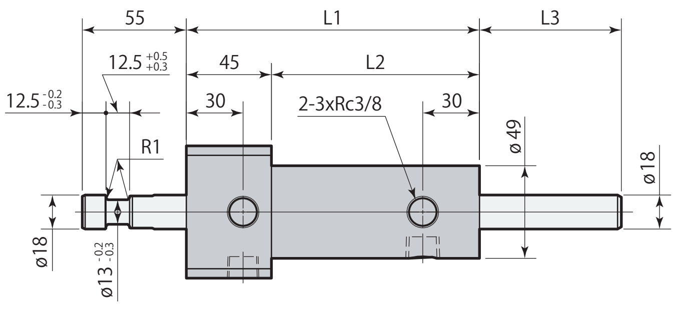


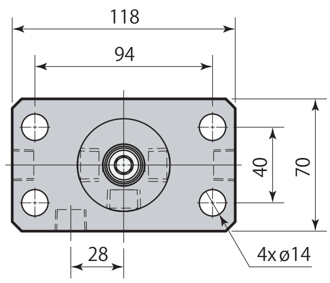
Inner diameter ø40 Three piece cylinder Dual rod

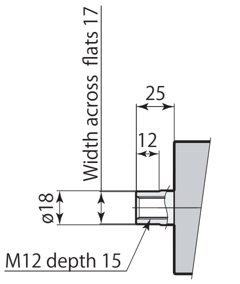
Model designation **KC L 040** Rod tip section specifications | Packing specification | Stroke | **E**

● Refer to **page → 1** for the details of model.

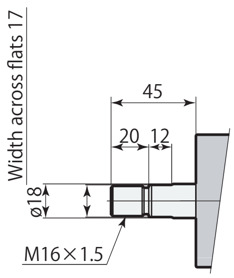
Stroke mm	10	15	20	25	50	65	80	100	125	150
L1 mm	115	120	125	130	155	170	185	205	230	255
L2 mm	70	75	80	85	110	125	140	160	185	210
L3 mm	35	40	45	50	75	90	105	125	150	175
Mass kg	3.5	3.5	3.6	3.6	3.9	4	4.1	4.3	4.5	4.8



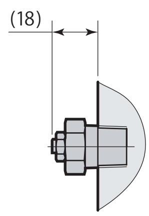




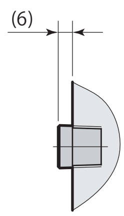
Female thread



Male thread



Air bleed valve when mounted



Hexagon socket head plug when mounted

Specifications

Model			KCL040□□□E
Cylinder inner diameter		mm	40
Rod diameter		mm	18
Dual rod diameter		mm	18
Maximum allowable working pressure		MPa	16
Stroke		mm	See the table shown above
Cylinder force *1	Push	kN	16.0
	Pull	kN	16.0
Inculuded *2			Air bleed valve (2)
			Hexagon socket head plug (2)

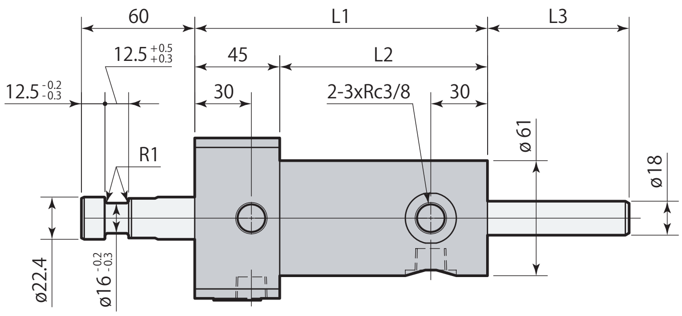
*1：Hydraulic pressure at 16MPa. Refer to Performance diagram (**page →2**).
*2：Mounting screws are not included.

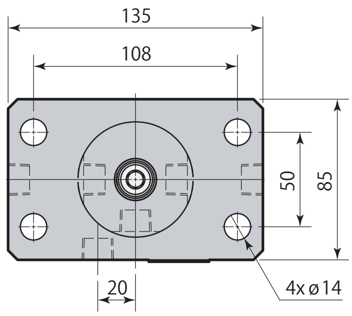
Inner diameter ø50 Three piece cylinder Dual rod

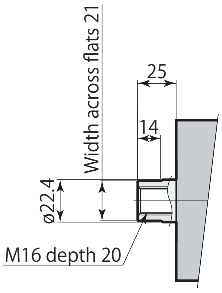
Model designation **KC L 050** | Rod tip section specifications | Packing specifications | Stroke | **E**

● Refer to **page → 1** for the details of model.

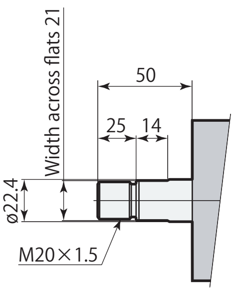
Stroke	mm	10	15	20	25	50	65	80	100	125	150
L1	mm	115	120	125	130	155	170	185	205	230	255
L2	mm	70	75	80	85	110	125	140	160	185	210
L3	mm	35	40	45	50	75	90	105	125	150	175
Mass	kg	5.2	5.2	5.3	5.4	5.7	5.9	6	6.3	6.6	6.9



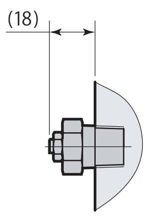




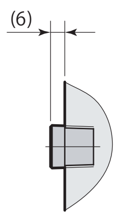
Female thread



Male thread



Air bleed valve when mounted



Hexagon socket head plug when mounted

Specifications

Model			KCL050□□□E
Cylinder inner diameter		mm	50
Rod diameter		mm	22.4
Dual rod diameter		mm	18
Maximum allowable working pressure		MPa	16
Stroke		mm	See the table shown above
Cylinder force *1	Push	kN	27.3
	Pull	kN	25.1
Inculuded *2			Air bleed valve (2)
			Hexagon socket head plug (2)

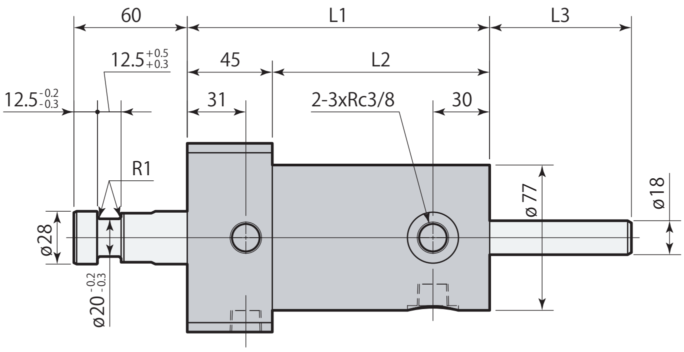
*1:Hydraulic pressure at 16MPa. Refer to Performance diagram (**page →2**).
*2:Mounting screws are not included.

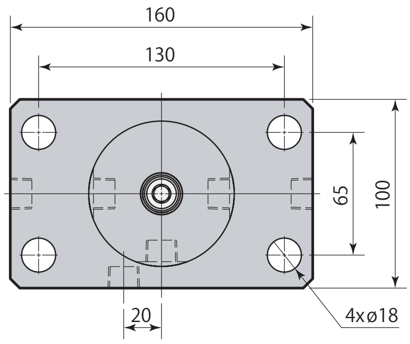
Inner diameter ø63 Three piece cylinder Dual rod

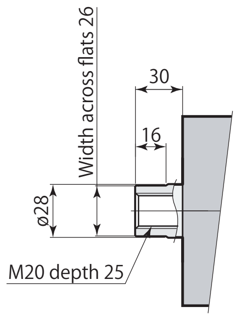
Model designation **KC L 063** [Rod tip section specifications] [Packing specifications] [Stroke] **E**

● Refer to **page → 1** for the details of model.

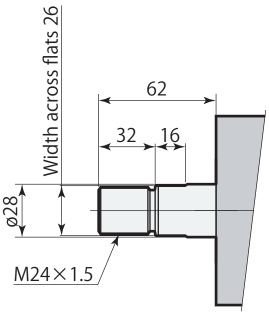
Stroke mm	10	15	20	25	50	65	80	100	125	150
L1 mm	120	125	130	135	160	175	190	210	235	260
L2 mm	75	80	85	90	115	130	145	165	190	215
L3 mm	35	40	45	50	75	90	105	125	150	175
Mass kg	7.8	7.9	8.0	8.0	8.5	8.8	9.1	9.5	9.9	10.4



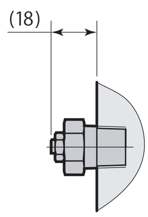




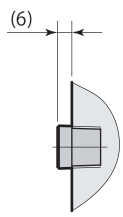
Female thread



Male thread



Air bleed valve when mounted



Hexagon socket head plug when mounted

Specifications

Model			KCL063□□□E
Cylinder inner diameter		mm	63
Rod diameter		mm	28
Dual rod diameter		mm	18
Maximum allowable working pressure		MPa	16
Stroke		mm	See the table shown above
Cylinder force *1	Push	kN	45.8
	Pull	kN	40.0
Inculuded *2			Air bleed valve (2)
			Hexagon socket head plug (2)

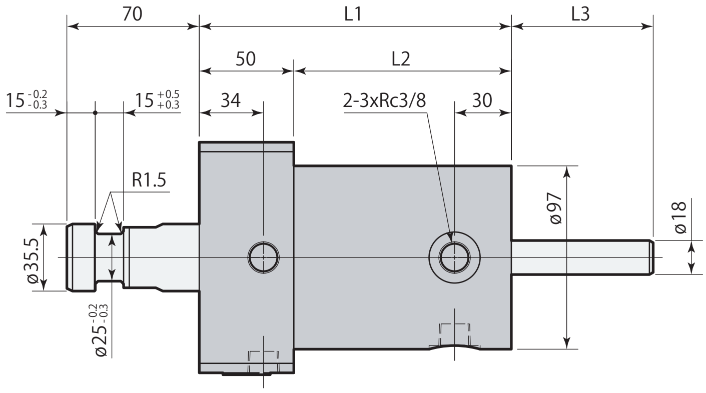
*1：Hydraulic pressure at 16MPa. Refer to Performance diagram (**page →2**).
*2：Mounting screws are not included.

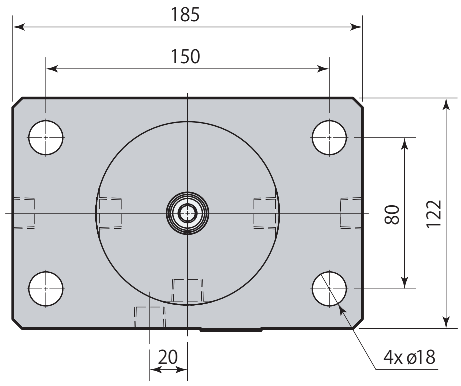
Inner diameter ø80 Three piece cylinder Dual rod

Model designation **KC L 080** [Rod tip section specifications] [Packing specifications] [Stroke] **E**

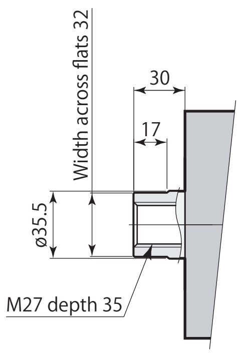
● Refer to **page → 1** for the details of model.

Stroke mm	10	15	20	25	50	65	80	100	125	150	200
L1 mm	125	130	135	140	165	180	195	215	240	265	315
L2 mm	75	80	85	90	115	130	145	165	190	215	265
L3 mm	35	40	45	50	75	90	105	125	150	175	225
Mass kg	12.4	12.6	12.7	12.8	13.6	14.0	14.4	15.0	15.7	16.4	17.8

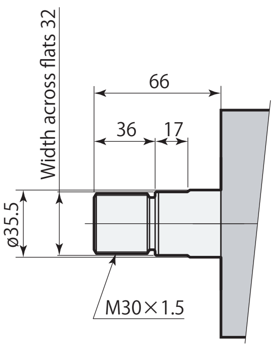




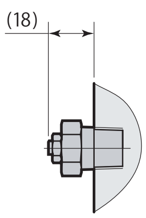
Female thread



Male thread



Air bleed valve when mounted



Hexagon socket head plug when mounted

Specifications

Model			KCL080□□□E
Cylinder inner diameter		mm	80
Rod diameter		mm	35.5
Dual rod diameter		mm	18
Maximum allowable working pressure		MPa	16
Stroke		mm	See the table shown above
Cylinder force *1	Push	kN	76.4
	Pull	kN	64.6
Inculuded *2			Air bleed valve (2)
			Hexagon socket head plug (2)

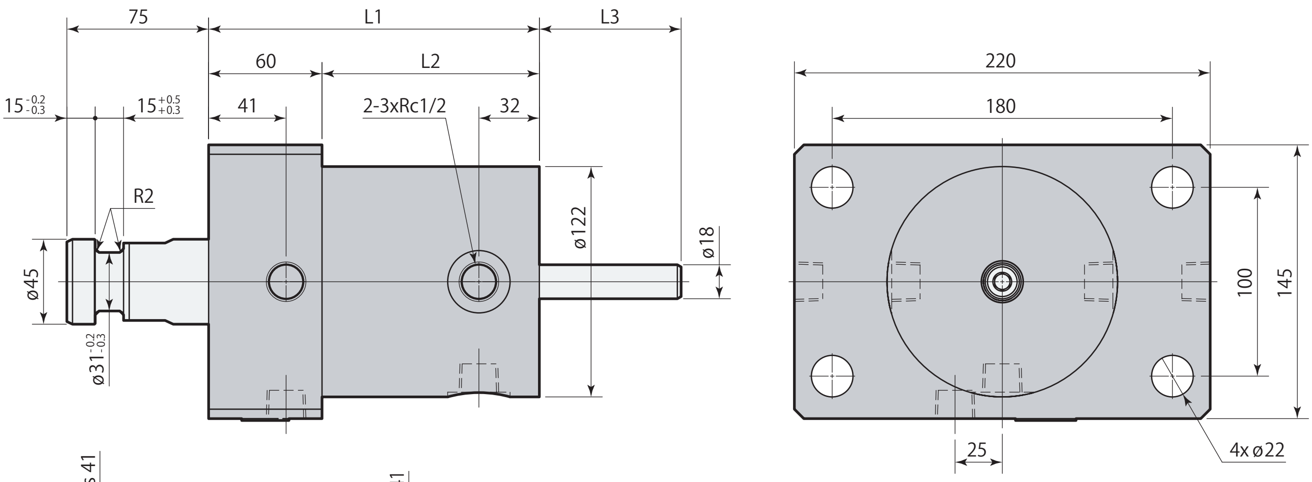
*1：Hydraulic pressure at 16MPa. Refer to Performance diagram (**page →2**).
*2：Mounting screws are not included.

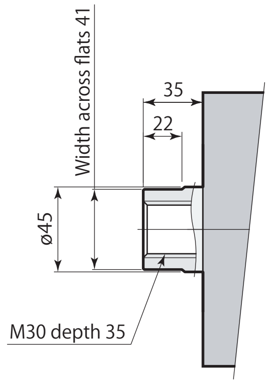
Inner diameter ø100 Three piece cylinder Dual rod

Model designation **KC L 100** [Rod tip section specifications] [Packing specifications] [Stroke] **E**

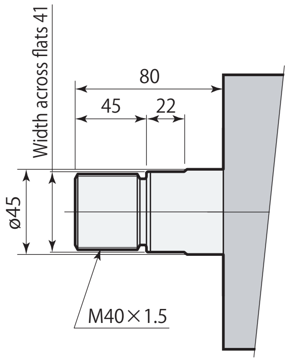
Refer to **page → 1** for the details of model.

Stroke	mm	10	15	20	25	50	65	80	100	125	150	200
L1	mm	135	140	145	150	175	190	205	225	250	275	325
L2	mm	75	80	85	90	115	130	145	165	190	215	265
L3	mm	35	40	45	50	75	90	105	125	150	175	225
Mass	kg	20.6	20.8	21	21.2	22.4	23	23.7	24.6	25.7	26.8	29

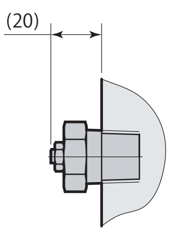




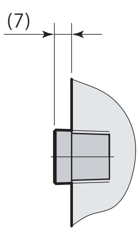
Female thread



Male thread



Air bleed valve when mounted



Hexagon socket head plug when mounted

Specifications

Model			KCL100□□□E
Cylinder inner diameter		mm	100
Rod diameter		mm	45
Dual rod diameter		mm	18
Maximum allowable working pressure		MPa	16
Stroke		mm	See the table shown above
Cylinder force *1	Push	kN	121.6
	Pull	kN	100.2
Inculuded *2			Air bleed valve (2)
			Hexagon socket head plug (2)

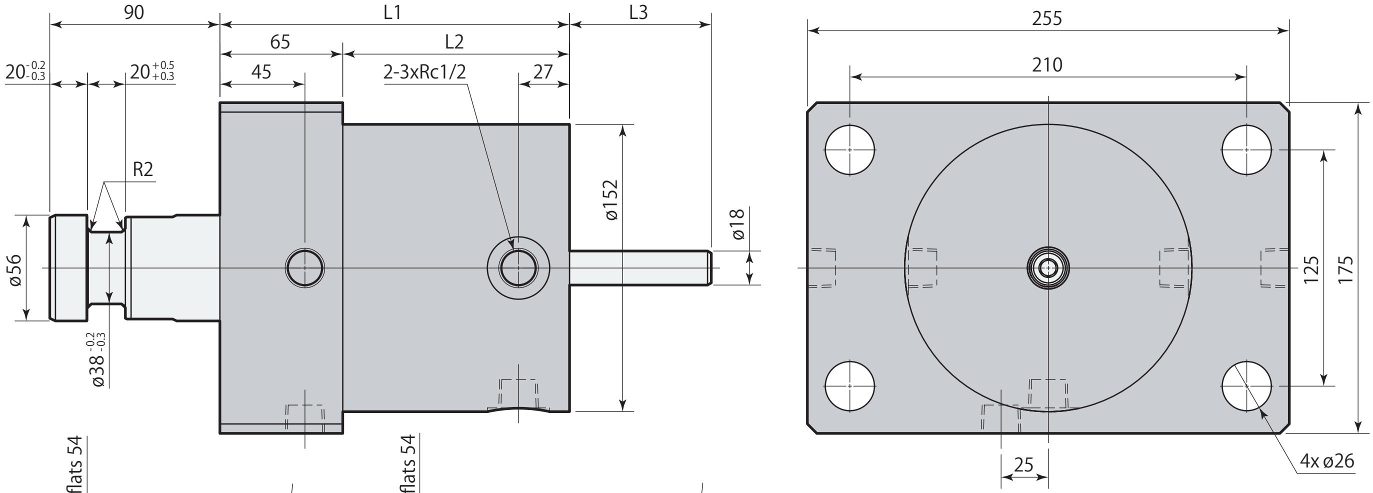
*1 : Hydraulic pressure at 16MPa. Refer to Performance diagram (**page →2**).
*2 : Mounting screws are not included.

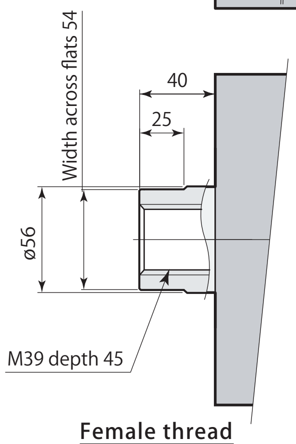
Inner diameter ø125 Three piece cylinder Dual rod

Model designation **KC L 125** [Rod tip section specifications] [Packing specifications] [Stroke] **E**

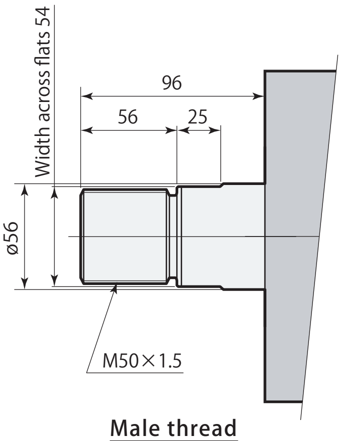
● Refer to **page → 1** for the details of model.

Stroke mm	50	65	80	100	125	150	200
L1 mm	185	200	215	235	260	285	335
L2 mm	120	135	150	170	195	220	270
L2 mm	75	90	105	125	150	175	225
Mass kg	35.2	36.2	37.2	38.5	40.2	41.9	45.3

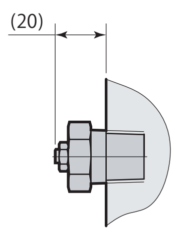




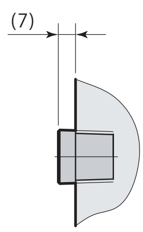
Female thread



Male thread



Air bleed valve when mounted



Hexagon socket head plug when mounted

Specifications

Model		KCL125□□□E
Cylinder inner diameter	mm	125
Rod diameter	mm	56
Dual rod diameter	mm	18
Maximum allowable working pressure	MPa	16
Stroke	mm	See the table shown above
Cylinder force *1	Push kN	192.3
	Pull kN	156.9
Inculuded *2		Air bleed valve (2)
		Hexagon socket head plug (2)

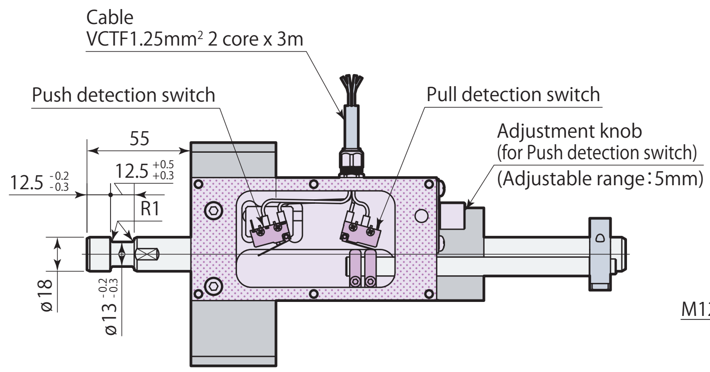
*1: Hydraulic pressure at 16MPa. Refer to Performance diagram (**page →2**).
*2: Mounting screws are not included.

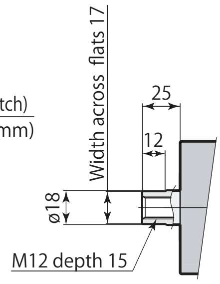
Inner diameter ø40 Three piece cylinder Dual rod B-type switch

Model designation **KC B 040** [Rod tip section specifications] [Packing specifications] [Stroke] **E**

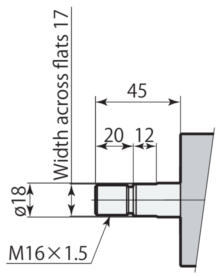
● Refer to **page → 1** for the details of model.

Stroke mm	10	15	20	25	50	65	80	100	125	150
S1 mm	115	120	125	130	155	170	185	205	230	255
S2 mm	35	40	45	50	75	90	105	125	150	175
L mm	110	110	110	110	130	145	160	180	205	230

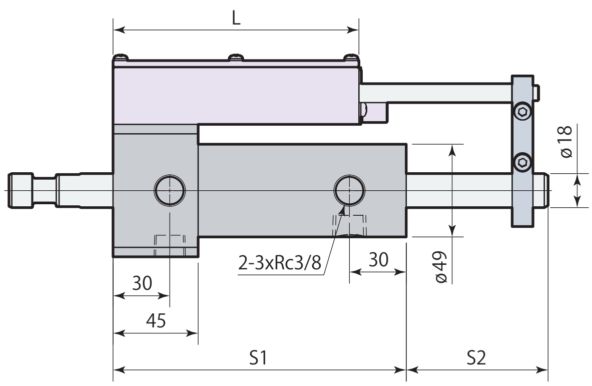


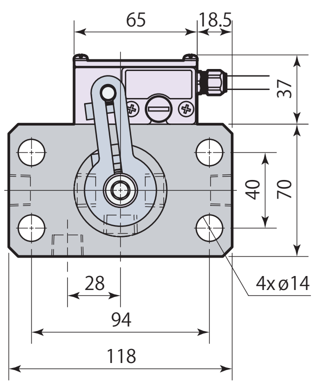


Female thread



Male thread





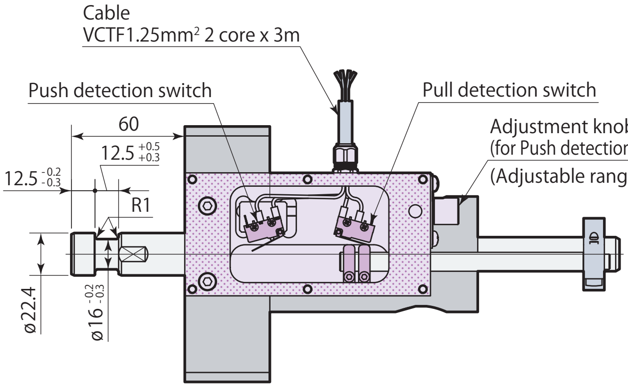
Limit switch model	Electrical rating		Operating temperature
SSM33A1 (azbil)	AC	5A,250V	-25℃ ～ 105℃
	DC	2A,30V	

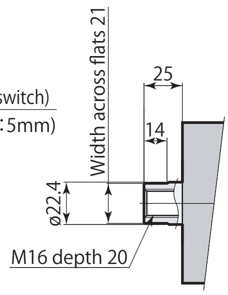
Inner diameter ø50 Three piece cylinder Dual rod B-type switch

Model designation **KC B 050** | Rod tip section specifications | Packing specifications | Stroke | **E**

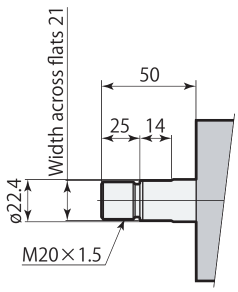
● Refer to **page → 1** for the details of model.

Stroke mm	10	15	20	25	50	65	80	100	125	150
S1 mm	115	120	125	130	155	170	185	205	230	255
S2 mm	35	40	45	50	75	90	105	125	150	175
L mm	110	110	110	110	130	145	160	180	205	230

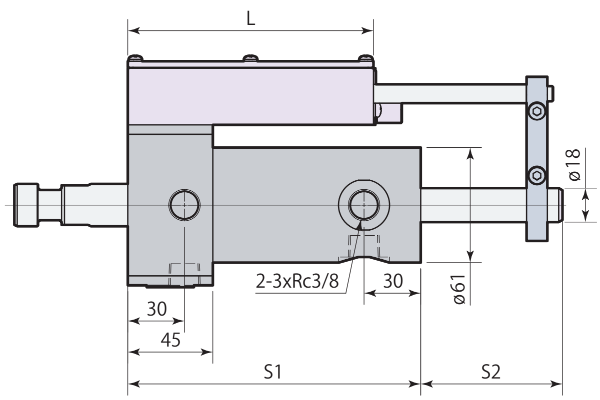


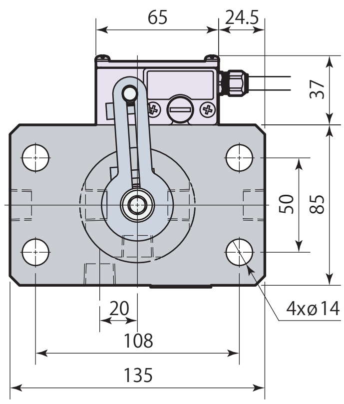


Female thread



Male thread





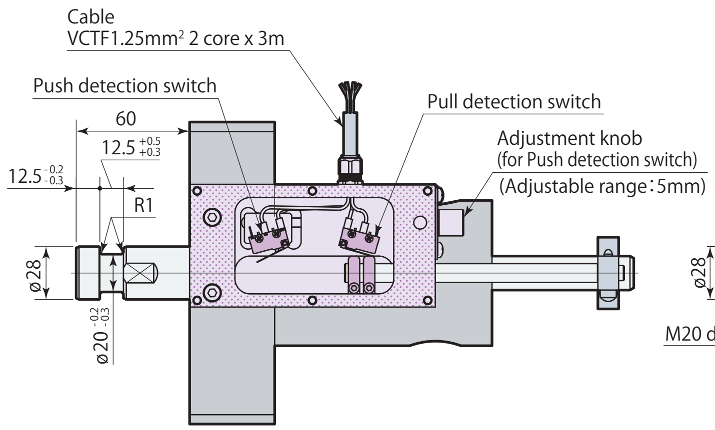
Limit switch model	Electrical rating		Operating temperature
SSM33A1 (azbil)	AC	5A,250V	-25℃ ～ 105℃
	DC	2A,30V	

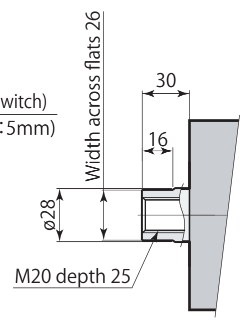
Inner diameter ø63 Three piece cylinder Dual rod B-type switch

Model designation **KC B 063** [Rod tip section specifications] [Packing specifications] [Stroke] **E**

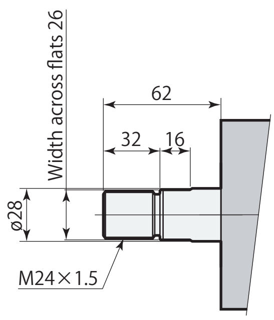
Refer to **page → 1** for the details of model.

Stroke	mm	10	15	20	25	50	65	80	100	125	150
S1	mm	120	125	130	135	160	175	190	210	235	260
S2	mm	35	40	45	50	75	90	105	125	150	175
L	mm	110	110	110	110	130	145	160	180	205	230

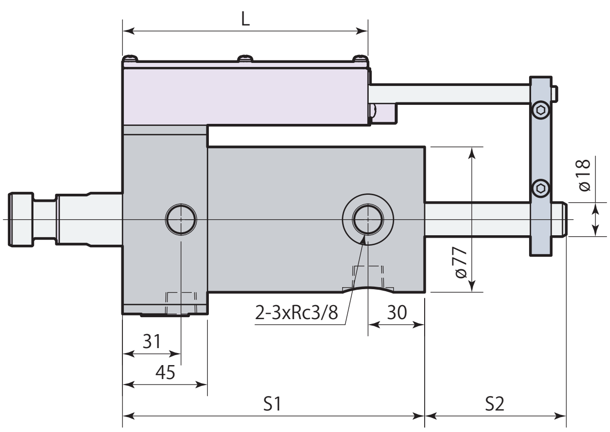


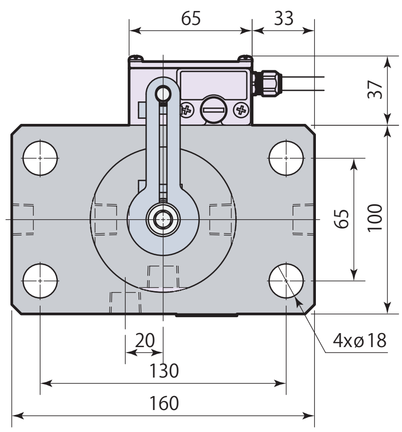


Female thread



Male thread





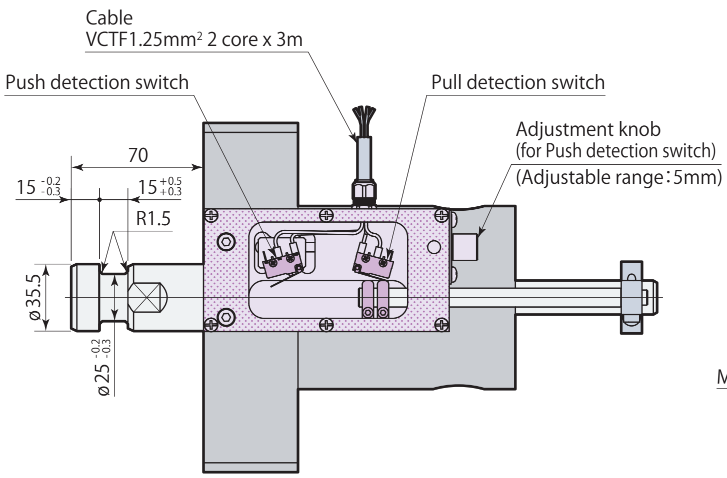
Limit switch model	Electrical rating		Operating temperature
SSM33A1 (azbil)	AC	5A,250V	-25℃ ～ 105℃
	DC	2A,30V	

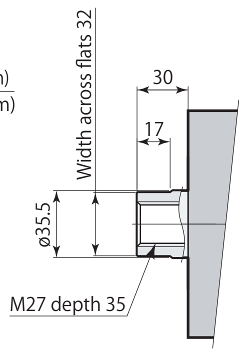
Inner diameter ø80 Three piece cylinder Dual rod B-type switch

Model designation **KC B 080** | Rod tip section specifications | Packing specifications | Stroke | **E**

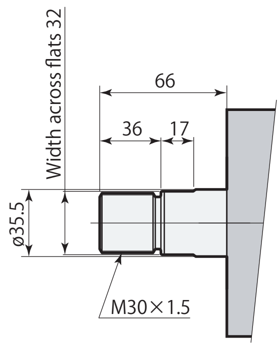
● Refer to **page → 1** for the details of model.

Stroke mm	10	15	20	25	50	65	80	100	125	150
S1 mm	125	130	135	140	165	180	195	215	240	265
S2 mm	35	40	45	50	75	90	105	125	150	175
L mm	110	110	110	110	130	145	160	180	205	230

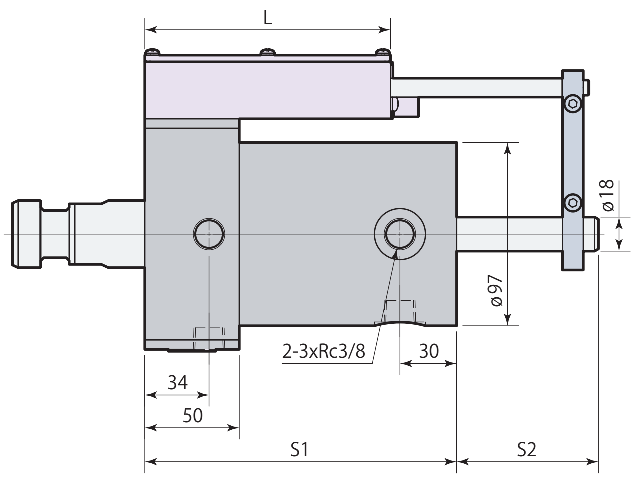


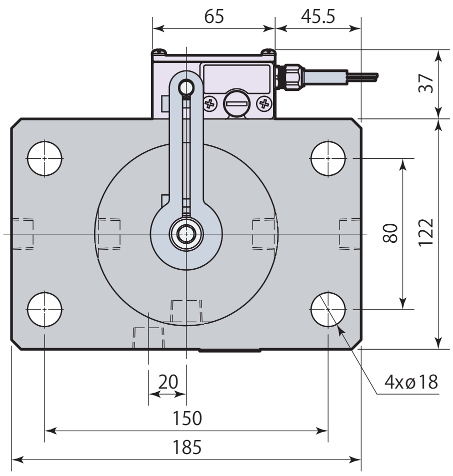


Female thread



Male thread





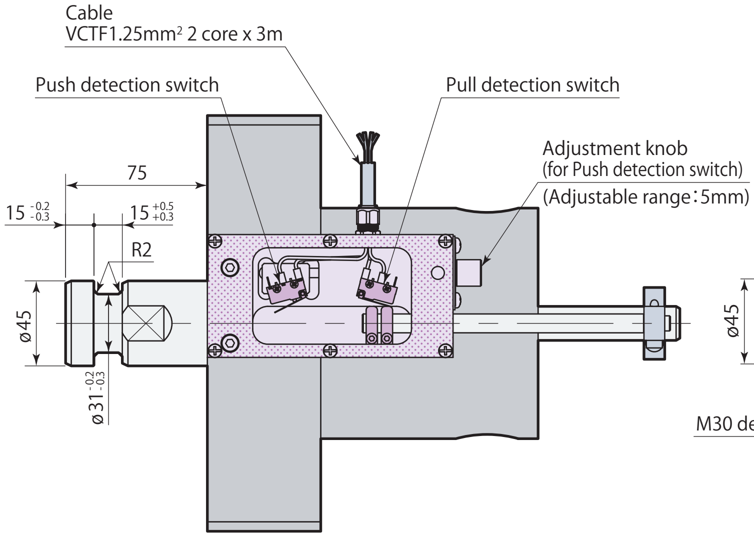
Limit switch model	Electrical rating		Operating temperature
SSM33A1 (azbil)	AC	5A,250V	-25℃ ～ 105℃
	DC	2A,30V	

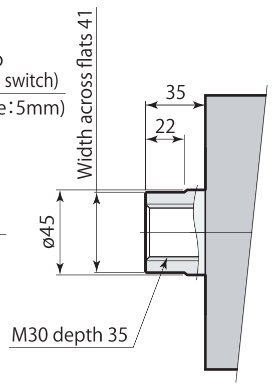
Inner diameter ø100 Three piece cylinder Dual rod B-type switch

Model designation **KC B 100** [Rod tip section specifications] [Packing specifications] [Stroke] **E**

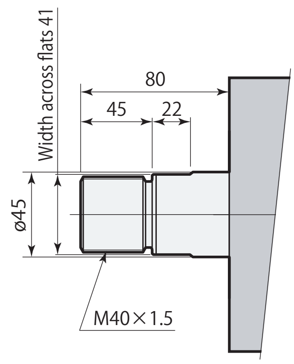
Refer to **page → 1** for the details of model.

Stroke	mm	10	15	20	25	50	65	80	100	125	150
S1	mm	135	140	145	150	175	190	205	225	250	275
S2	mm	35	40	45	50	75	90	105	125	150	175
L	mm	110	110	110	110	130	145	160	180	205	230

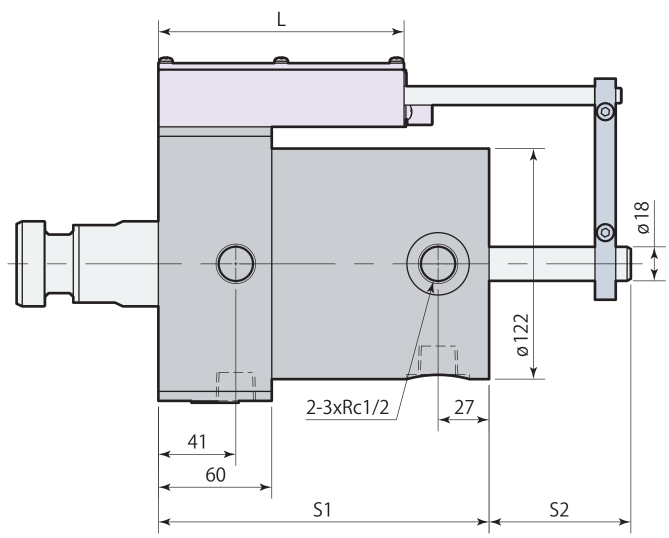


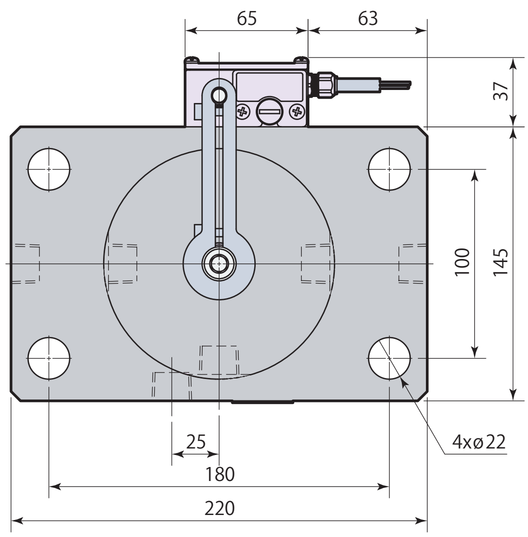


Female thread



Male thread





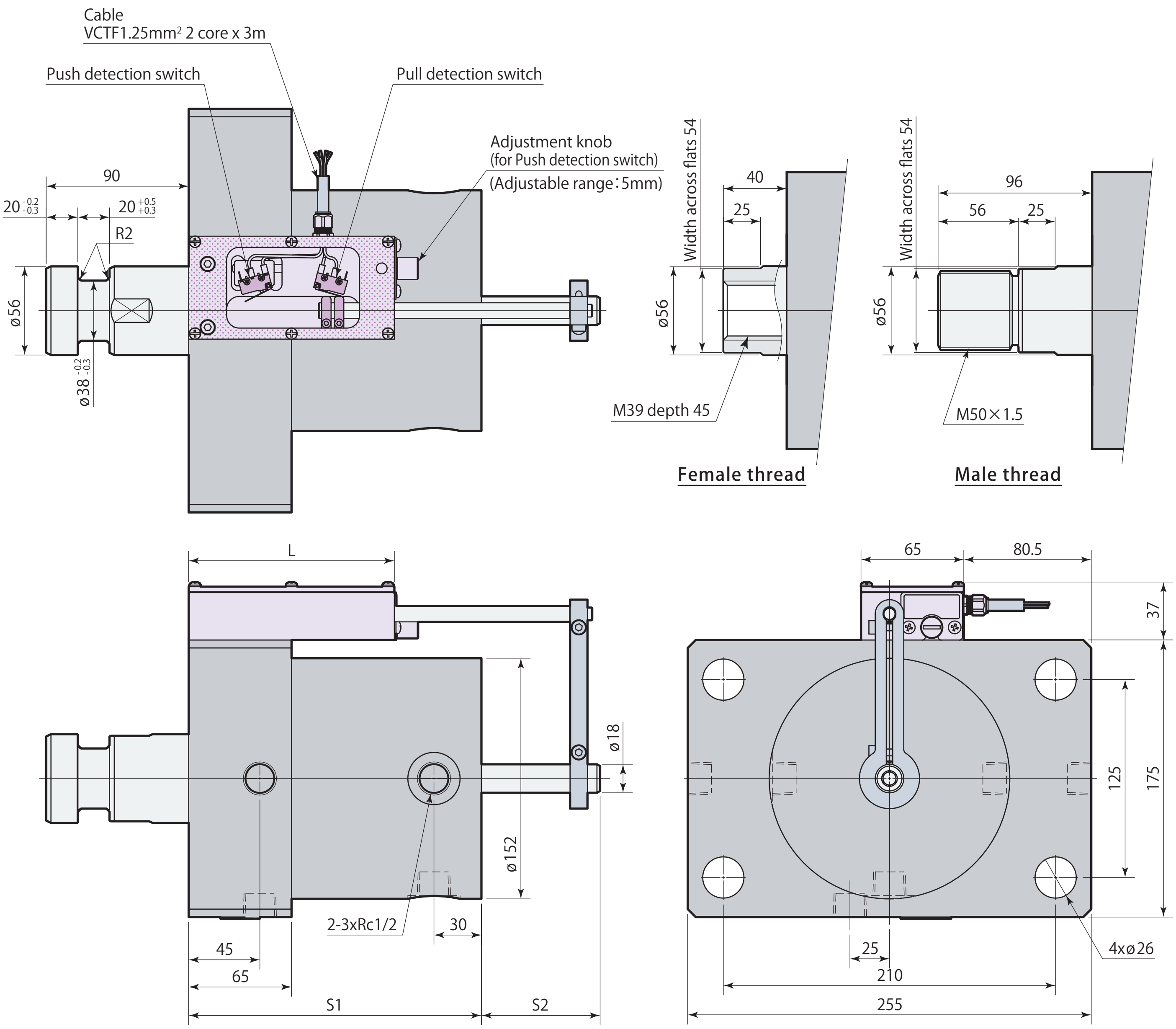
Limit switch model	Electrical rating		Operating temperature
SSM33A1 (azbil)	AC	5A,250V	-25℃ ～ 105℃
	DC	2A,30V	

Inner diameter ø125 Three piece cylinder Dual rod B-type switch

Model designation **KC B 125** | Rod tip section specifications | Packing specifications | Stroke | **E**

Refer to **page → 1** for the details of model.

Stroke mm	50	65	80	100	125	150
S1 mm	185	200	215	235	260	285
S2 mm	75	90	105	125	150	175
L mm	130	145	160	180	205	230



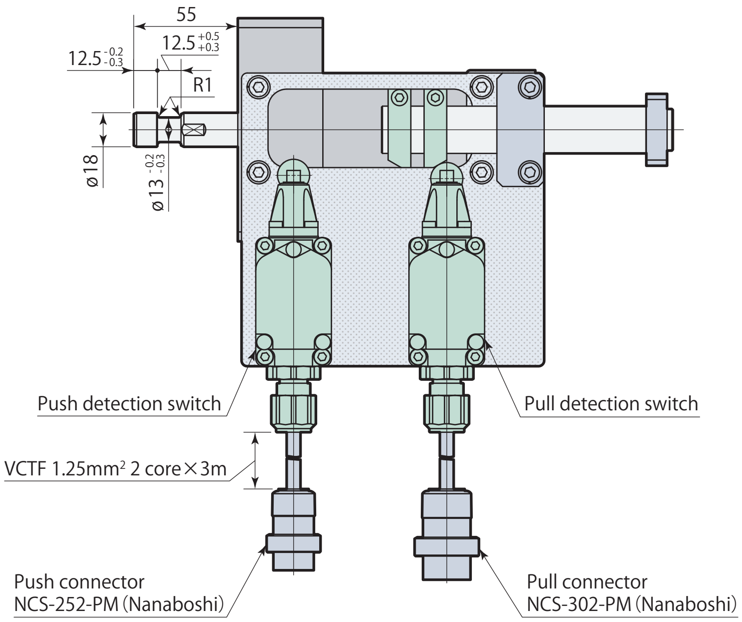
Limit switch model	Electrical rating		Operating temperature
SSM33A1 (azbil)	AC	5A,250V	-25℃ ～ 105℃
	DC	2A,30V	

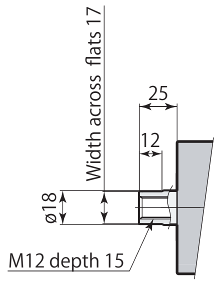
Inner diameter ø40 Three piece cylinder Dual rod S-type switch

Model designation **KC S 040** | Rod tip section specifications | Packing specifications | Stroke | Limit switch mounting position | **E**

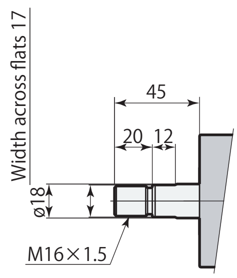
Refer to **page → 1** for the details of model.

Stroke	mm	10	15	20	25	50	65	80	100	125	150
S1	mm	115	120	125	130	155	170	185	205	230	255
S2	mm	35	40	45	50	75	90	105	125	150	175
L	mm	122	127	132	137	162	177	192	212	237	262

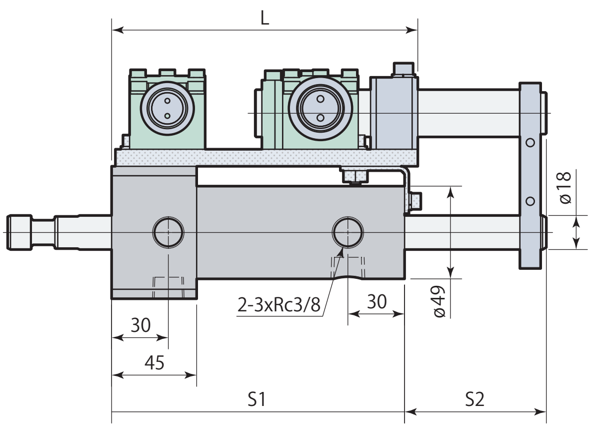


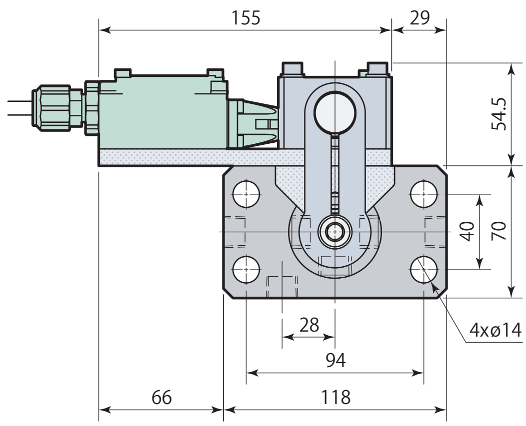


Female thread



Male thread





This drawing indicates the limit switch mounitng position R. The mounitng position of limit switch for L is opposite to that of R.

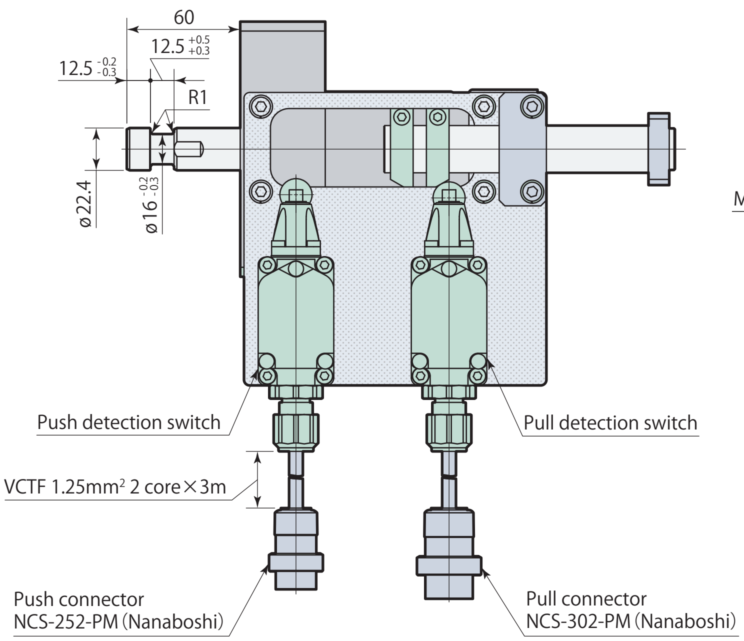
Limit switch model	Electrical rating		Operating temperature
WLD2-N (OMRON)	AC	10A,125V / 10A,250V / 10A,500V	-10℃ ～ 80℃
	DC	10A,8V / 10A,14V / 6A,30V / 0.8A,125V / 0.4A,250V	

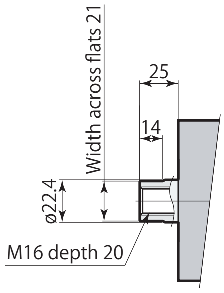
Inner diameter ø50 Three piece cylinder Dual rod S-type switch

Model designation **KC S 050** | Rod tip section specifications | Packing specifications | Stroke | Limit switch mounting position | **E**

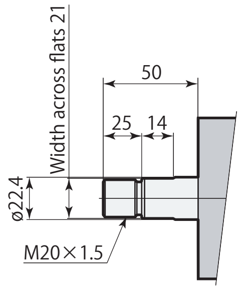
● Refer to **page → 1** for the details of model.

Stroke mm	10	15	20	25	50	65	80	100	125	150
S1 mm	115	120	125	130	155	170	185	205	230	255
S2 mm	35	40	45	50	75	90	105	125	150	175
L mm	122	127	132	137	162	177	192	212	237	262

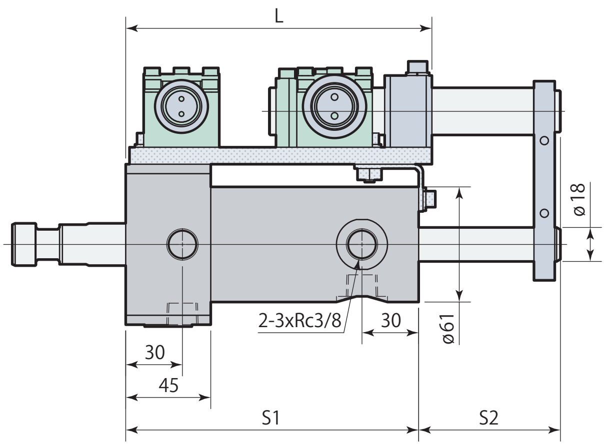


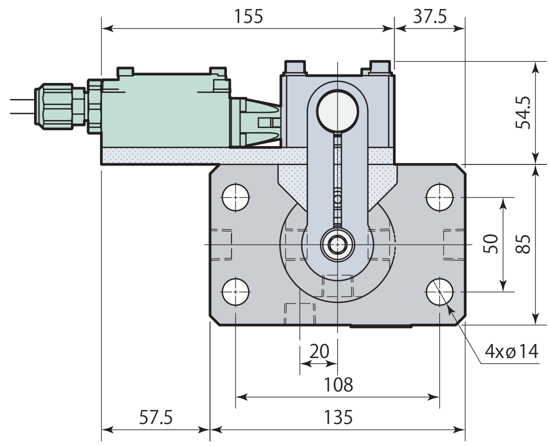


Female thread



Male thread





● This drawing indicates the limit switch mounitng position R. The mounitng position of limit switch for L is opposite to that of R.

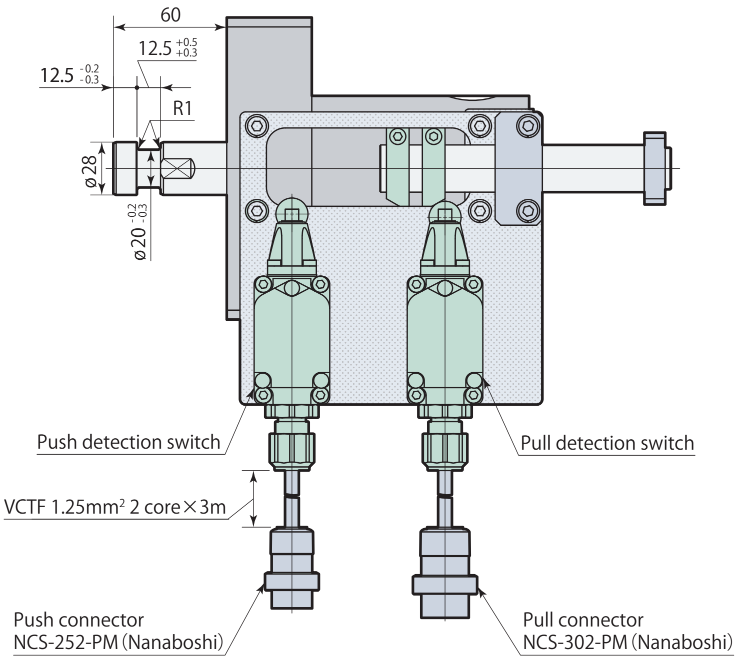
Limit switch model	Electrical rating		Operating temperature
WLD2-N (OMRON)	AC	10A,125V / 10A,250V / 10A,500V	-10℃ ～ 80℃
	DC	10A,8V / 10A,14V / 6A,30V / 0.8A,125V / 0.4A,250V	

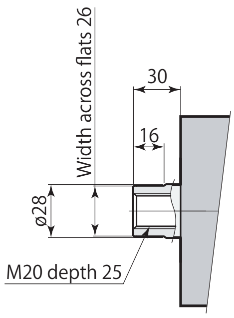
Inner diameter ø63 Three piece cylinder Dual rod S-type switch

Model designation **KC S 063** | Rod tip section specifications | Packing specifications | Stroke | Limit switch mounting position | **E**

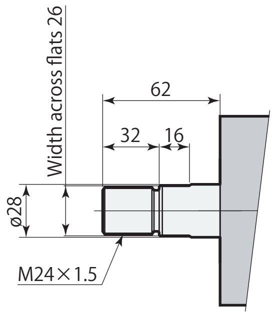
● Refer to **page → 1** for the details of model.

Stroke mm	10	15	20	25	50	65	80	100	125	150
S1 mm	120	125	130	135	160	175	190	210	235	260
S2 mm	35	40	45	50	75	90	105	125	150	175
L mm	127	132	137	142	167	182	197	217	242	267

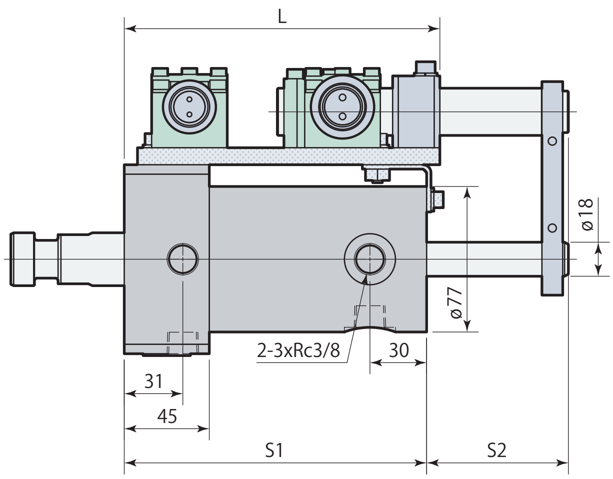


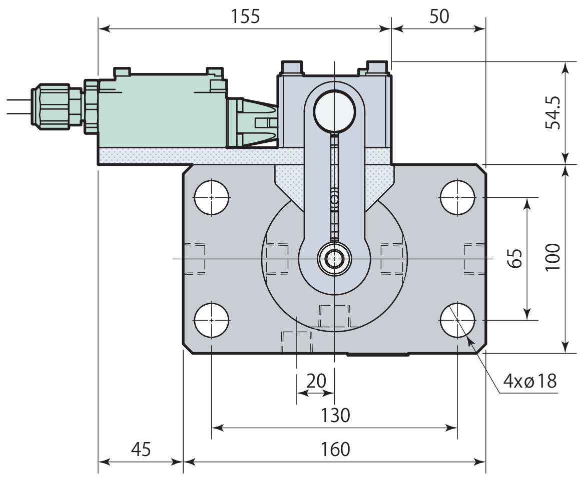


Female thread



Male thread





● This drawing indicates the limit switch mounitng position R. The mounitng position of limit switch for L is opposite to that of R.

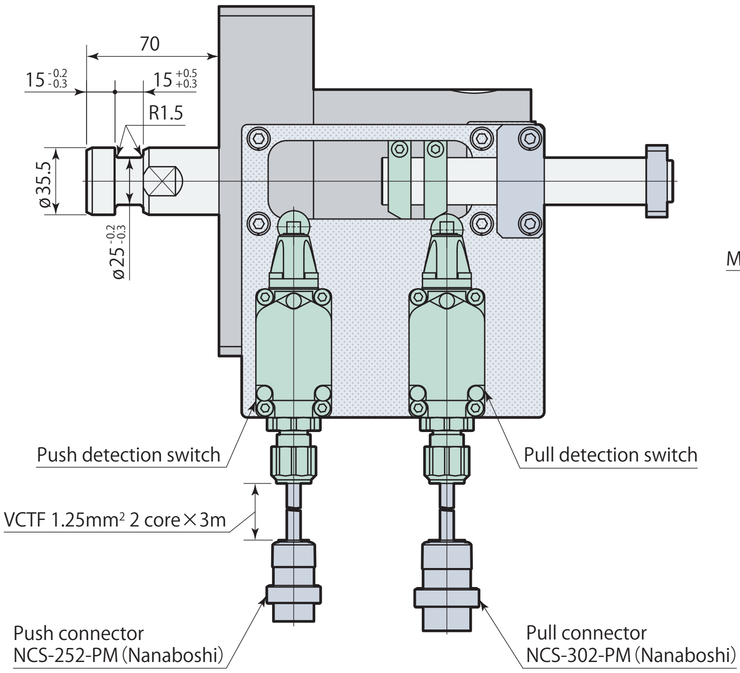
Limit switch model	Electrical rating		Operating temperature
WLD2-N (OMRON)	AC	10A,125V / 10A,250V / 10A,500V	-10℃ ～ 80℃
	DC	10A,8V / 10A,14V / 6A,30V / 0.8A,125V / 0.4A,250V	

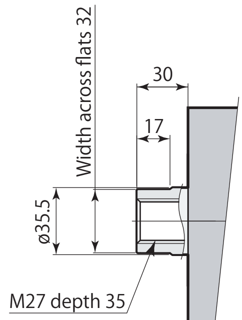
Inner diameter ø80 Three piece cylinder Dual rod S-type switch

Model designation **KC S 080** | Rod tip section specifications | Packing specifications | Stroke | Limit switch mounting position | **E**

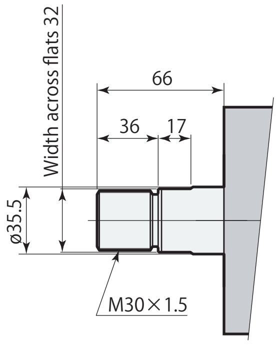
● Refer to **page → 1** for the details of model.

Stroke mm	10	15	20	25	50	65	80	100	125	150	200
S1 mm	125	130	135	140	165	180	195	215	240	265	315
S2 mm	35	40	45	50	75	90	105	125	150	175	225
L mm	132	137	142	147	172	187	202	222	247	272	322

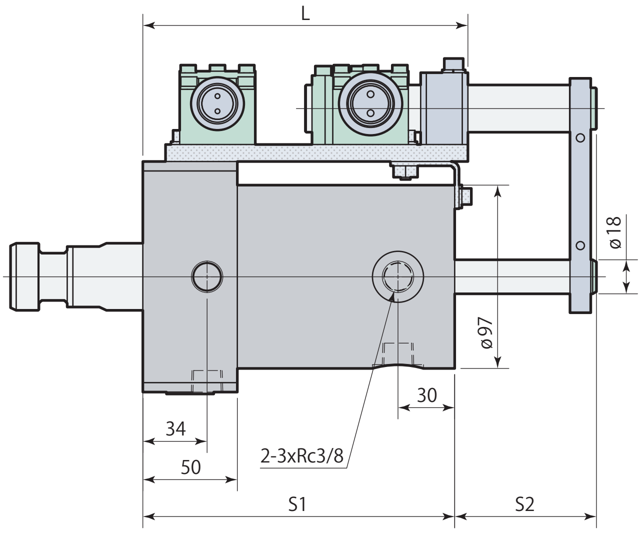


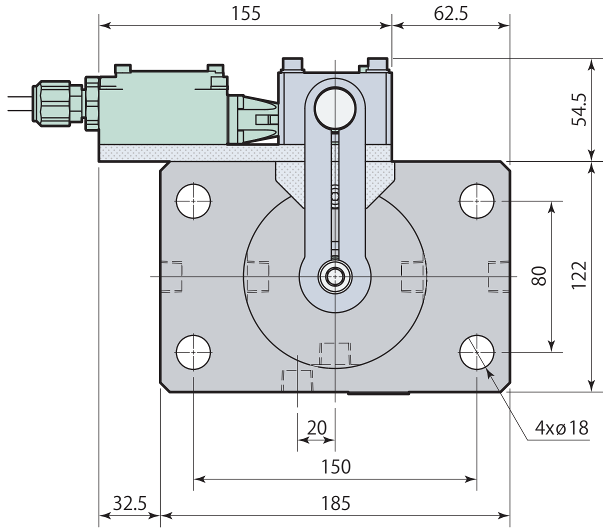


Female thread



Male thread





● This drawing indicates the limit switch mounitng position R. The mounitng position of limit switch for L is opposite to that of R.

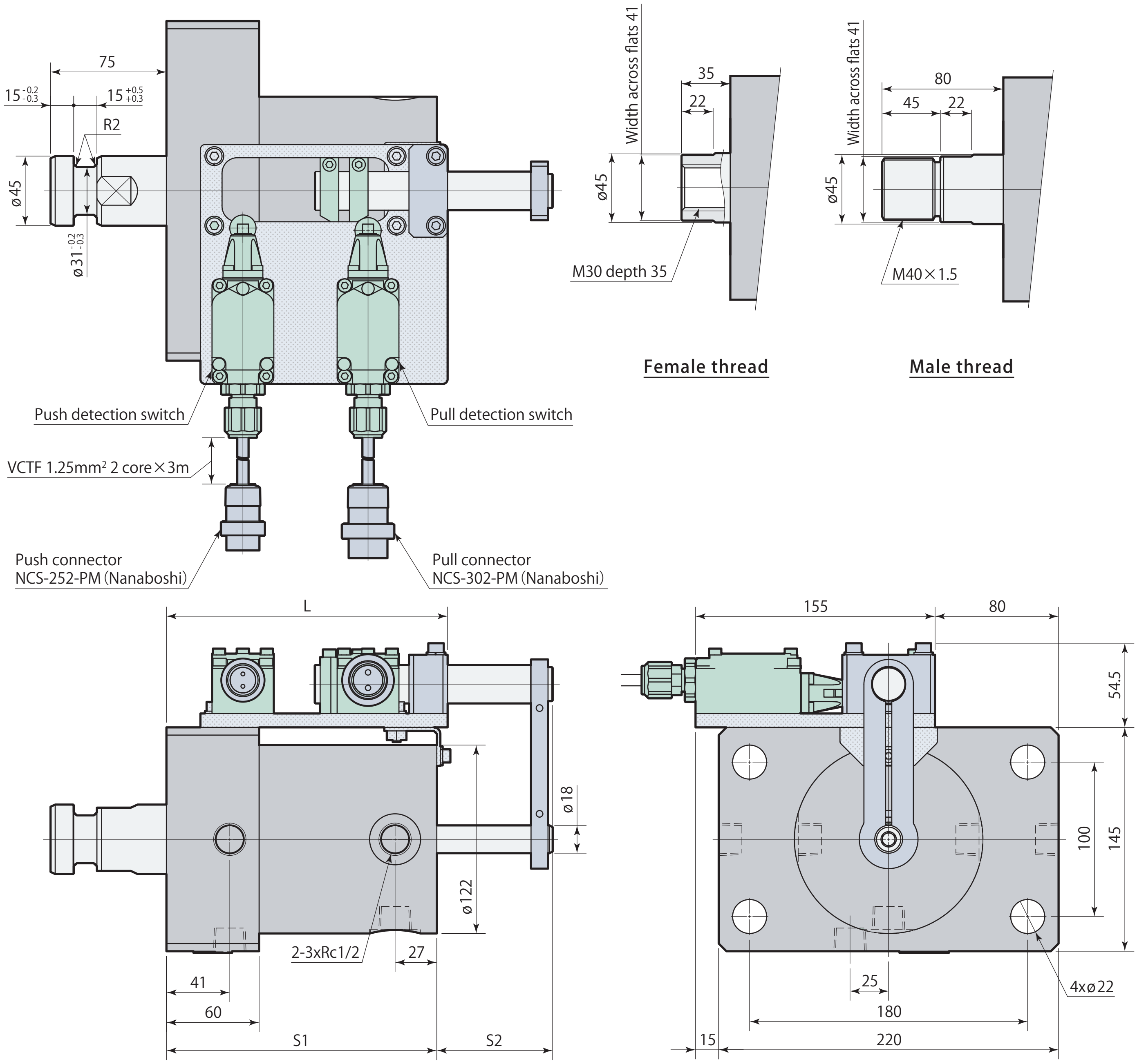
Limit switch model	Electrical rating		Operating temperature
WLD2-N (OMRON)	AC	10A,125V / 10A,250V / 10A,500V	-10℃ ～ 80℃
	DC	10A,8V / 10A,14V / 6A,30V / 0.8A,125V / 0.4A,250V	

Inner diameter ø100 Three piece cylinder Dual rod S-type switch

Model designation **KC S 100** [Rod tip section specifications] [Packing specifications] [Stroke] [Limit switch mounting position] **E**

● Refer to **page → 1** for the details of model.

Stroke mm	10	15	20	25	50	65	80	100	125	150	200
S1 mm	135	140	145	150	175	190	205	225	250	275	325
S2 mm	35	40	45	50	75	90	105	125	150	175	225
L mm	142	147	152	157	182	197	212	232	257	282	332



● This drawing indicates the limit switch mounitng position R. The mounitng position of limit switch for L is opposite to that of R.

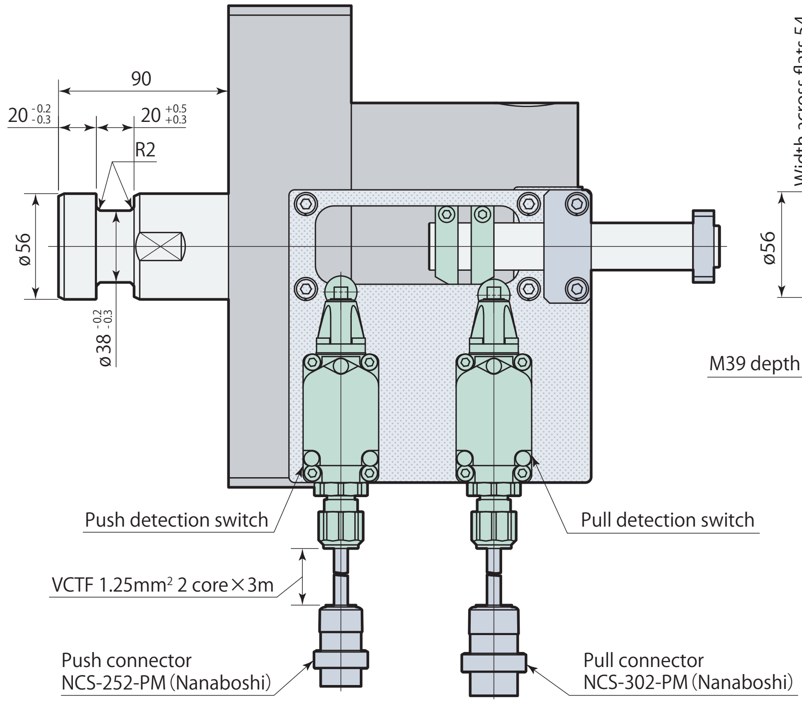
Limit switch model	Electrical rating		Operating temperature
WLD2-N (OMRON)	AC	10A,125V / 10A,250V / 10A,500V	-10℃ ～ 80℃
	DC	10A,8V / 10A,14V / 6A,30V / 0.8A,125V / 0.4A,250V	

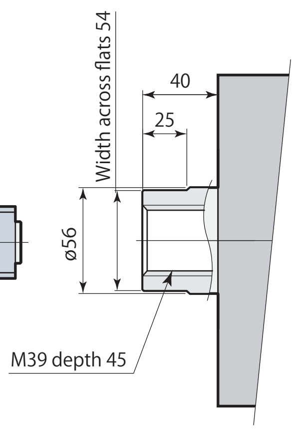
Inner diameter ø125 Three piece cylinder Dual rod S-type switch

Model designation	KC S 125	Rod tip section specifications	Packing specifications	Stroke	Limit switch mounting position	E

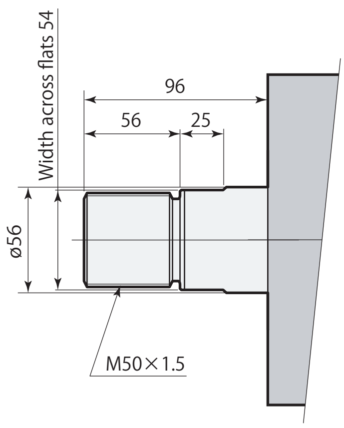
● Refer to **page → 1** for the details of model.

Stroke	mm	50	65	80	100	125	150	200
S1	mm	185	200	215	235	260	285	335
S2	mm	75	90	105	125	150	175	225
L	mm	192	207	222	242	267	292	342

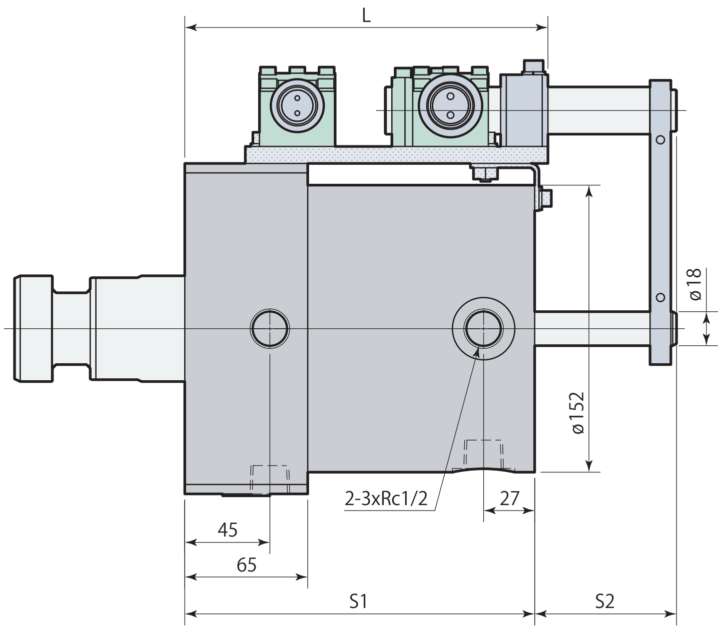


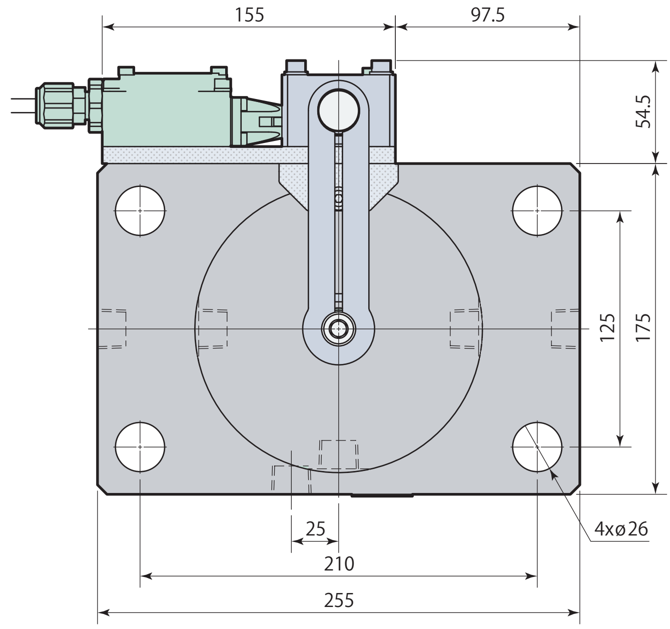


Female thread



Male thread





● This drawing indicates the limit switch mounitng position R. The mounitng position of limit switch for L is opposite to that of R.

Limit switch model	Electrical rating		Operating temperature
WLD2-N (OMRON)	AC	10A,125V / 10A,250V / 10A,500V	-10℃ ～ 80℃
	DC	10A,8V / 10A,14V / 6A,30V / 0.8A,125V / 0.4A,250V	

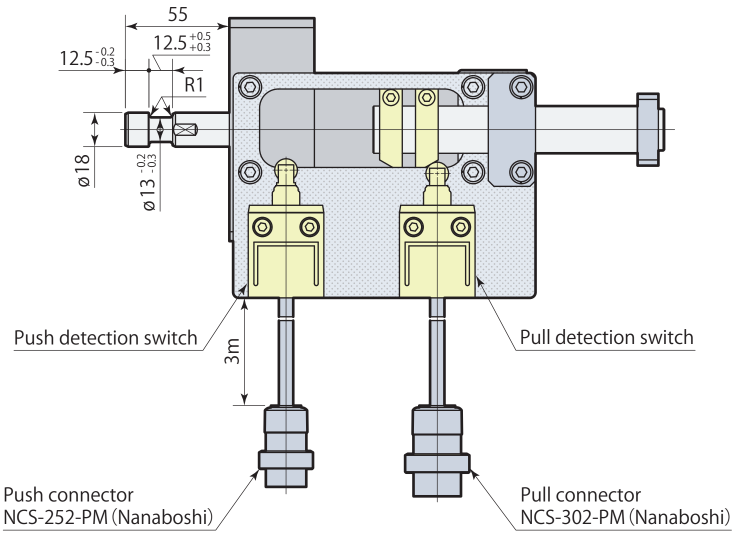
Inner diameter ø40 Three piece cylinder Dual rod C-type switch

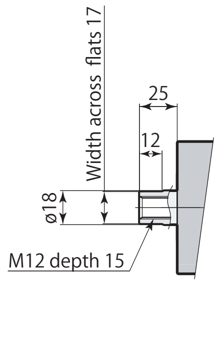
Model designation

KC C 040	Rod tip section specifications	Packing specifications	Stroke	Limit switch mounting position	E

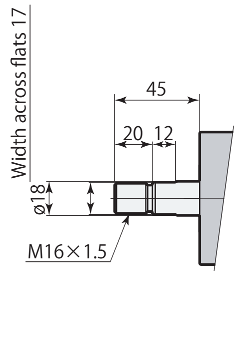
● Refer to **page → 1** for the details of model.

Stroke	mm	10	15	20	25	50	65	80	100	125	150
S1	mm	115	120	125	130	155	170	185	205	230	255
S2	mm	35	40	45	50	75	90	105	125	150	175
L	mm	122	127	132	137	162	177	192	212	237	262

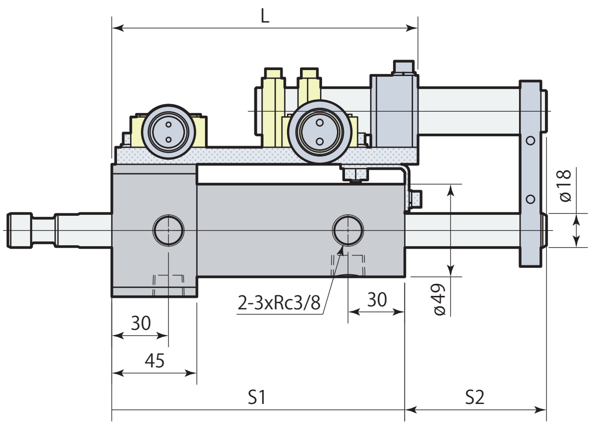


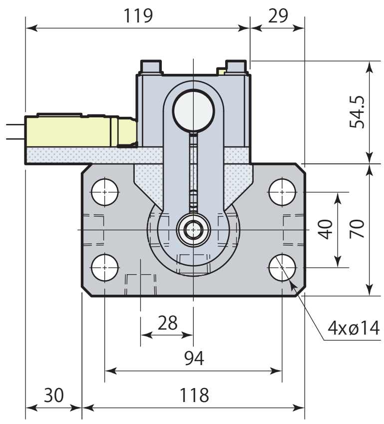


Female thread



Male thread





● This drawing indicates the limit switch mounitng position R. The mounitng position of limit switch for L is opposite to that of R.

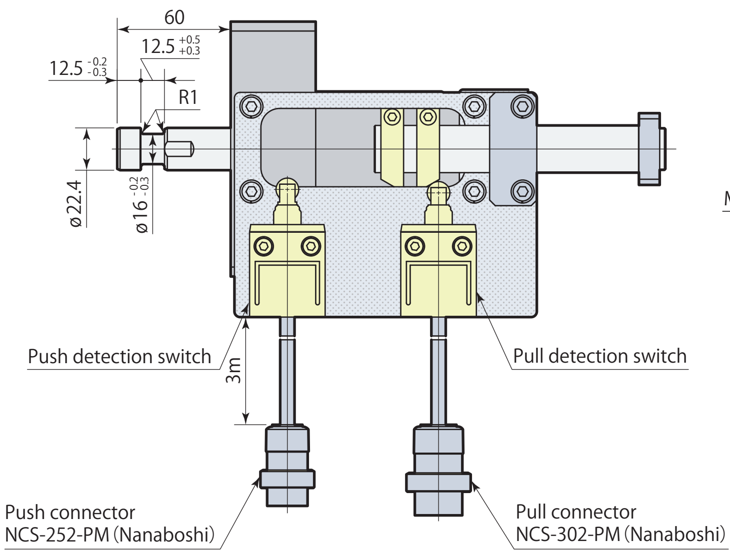
Limit switch model	Electrical rating		Operating temperature
D4C-1232 (OMRON)	AC	5A,125V / 5A,250V	-10℃ ～ 70℃
	DC	5A,8V / 5A,14V / 4A,30V	

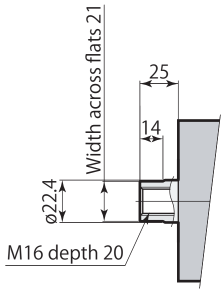
Inner diameter ø50 Three piece cylinder Dual rod C-type switch

Model designation **KC C 050** | Rod tip section specifications | Packing specifications | Stroke | Limit switch mounting position | **E**

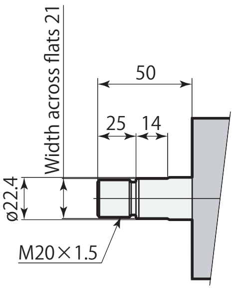
Refer to **page → 1** for the details of model.

Stroke mm	10	15	20	25	50	65	80	100	125	150
S1 mm	115	120	125	130	155	170	185	205	230	255
S2 mm	35	40	45	50	75	90	105	125	150	175
L mm	122	127	132	137	162	177	192	212	237	262

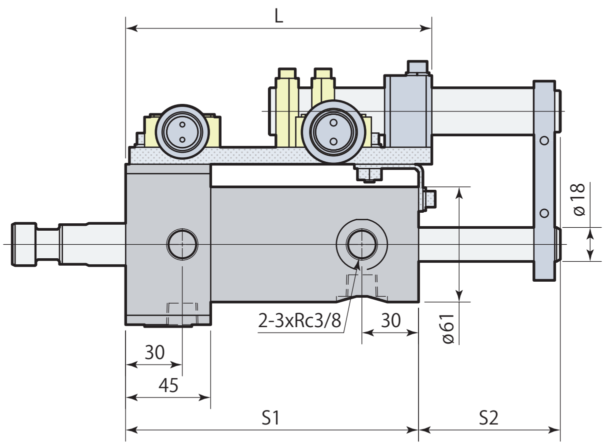


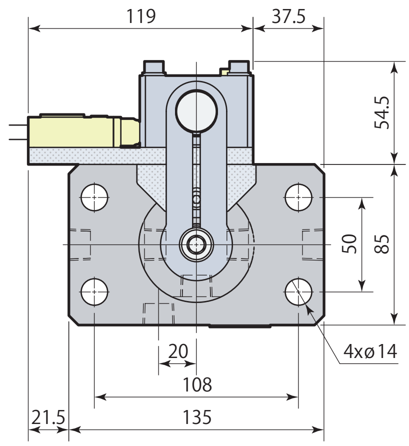


Female thread



Male thread





This drawing indicates the limit switch mounitng position R. The mounitng position of limit switch for L is opposite to that of R.

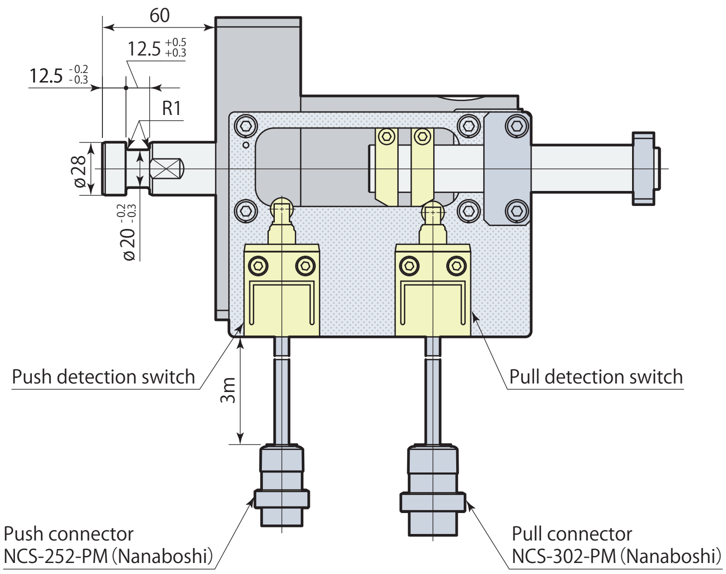
Limit switch model	Electrical rating		Operating temperature
D4C-1232 (OMRON)	AC	5A,125V / 5A,250V	-10℃ ～ 70℃
	DC	5A,8V / 5A,14V / 4A,30V	

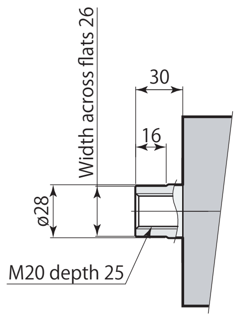
Inner diameter ø63 Three piece cylinder Dual rod C-type switch

Model designation **KC C 063** | Rod tip section specifications | Packing specifications | Stroke | Limit switch mounting position | **E**

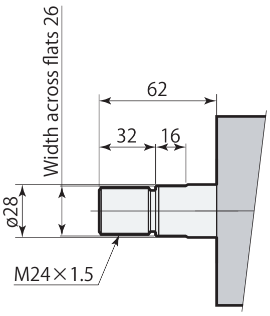
Refer to **page → 1** for the details of model.

Stroke	mm	10	15	20	25	50	65	80	100	125	150
S1	mm	120	125	130	135	160	175	190	210	235	260
S2	mm	35	40	45	50	75	90	105	125	150	175
L	mm	127	132	137	142	167	182	197	217	242	267

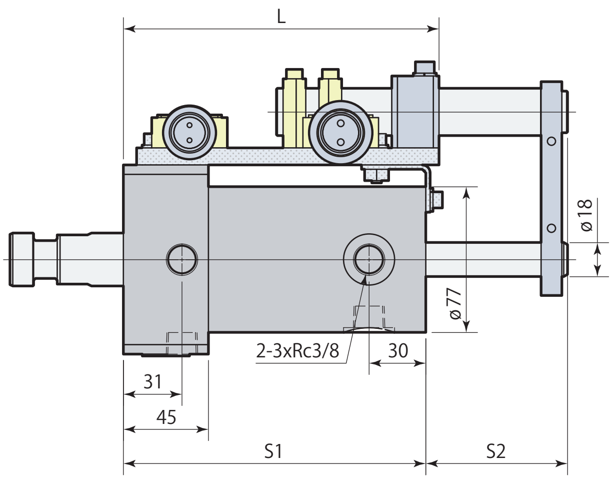


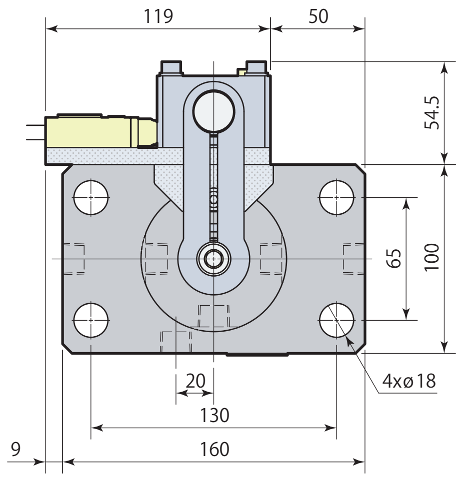


Female thread



Male thread





This drawing indicates the limit switch mounitng position R. The mounitng position of limit switch for L is opposite to that of R.

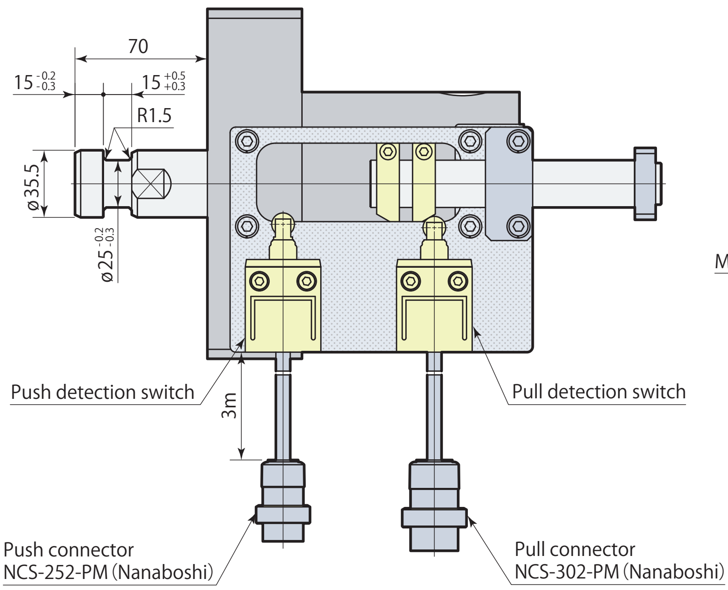
Limit switch model	Electrical rating		Operating temperature
D4C-1232 (OMRON)	AC	5A,125V / 5A,250V	-10℃ ～ 70℃
	DC	5A,8V / 5A,14V / 4A,30V	

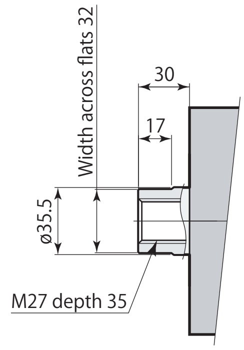
Inner diameter ø80 Three piece cylinder Dual rod C-type switch

Model designation **KC C 080** | Rod tip section specifications | Packing specifications | Stroke | Limit switch mounting position | **E**

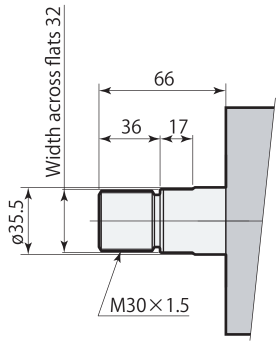
Refer to **page → 1** for the details of model.

Stroke	mm	10	15	20	25	50	65	80	100	125	150	200
S1	mm	125	130	135	140	165	180	195	215	240	265	315
S2	mm	35	40	45	50	75	90	105	125	150	175	225
L	mm	132	137	142	147	172	187	202	222	247	272	322

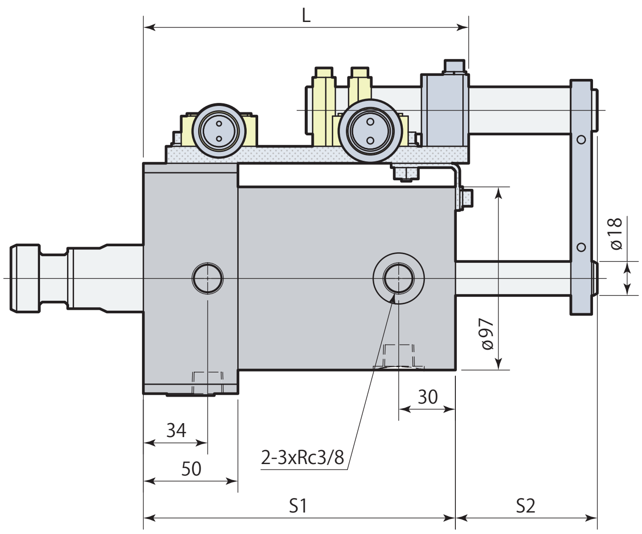


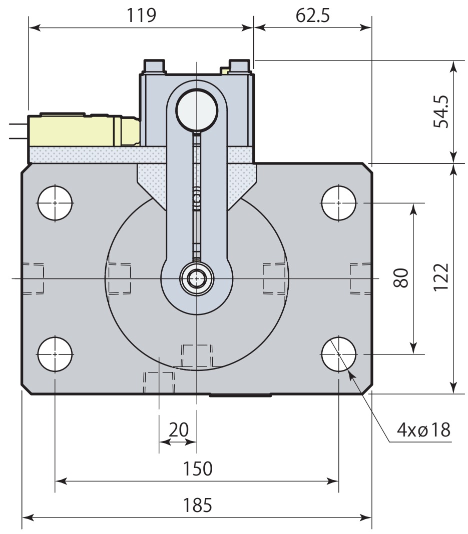


Female thread



Male thread





This drawing indicates the limit switch mounitng position R. The mounitng position of limit switch for L is opposite to that of R.

Limit switch model	Electrical rating		Operating temperature
D4C-1232 (OMRON)	AC	5A,125V / 5A,250V	-10℃ ～ 70℃
	DC	5A,8V / 5A,14V / 4A,30V	

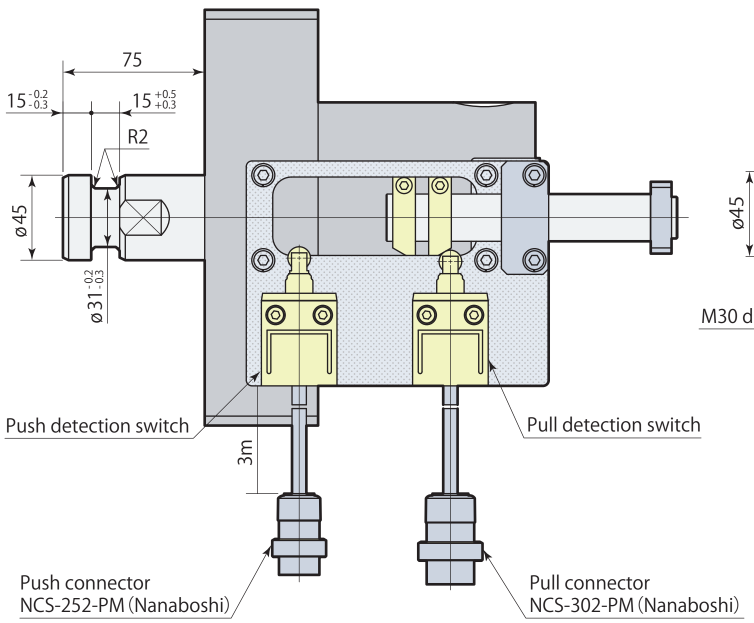
Inner diameter ø100 Three piece cylinder Dual rod C-type switch

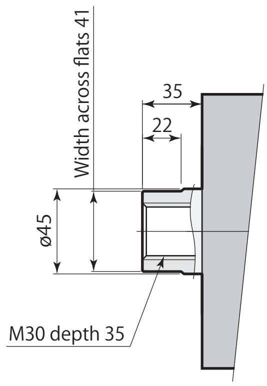
Model designation

KC C 100 | Rod tip section specifications | Packing specifications | Stroke | Limit switch mounting position | **E**

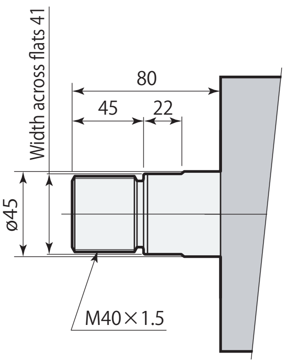
● Refer to **page → 1** for the details of model.

Stroke mm	10	15	20	25	50	65	80	100	125	150	200
S1 mm	135	140	145	150	175	190	205	225	250	275	325
S2 mm	35	40	45	50	75	90	105	125	150	175	225
L mm	142	147	152	157	182	197	212	232	257	282	332

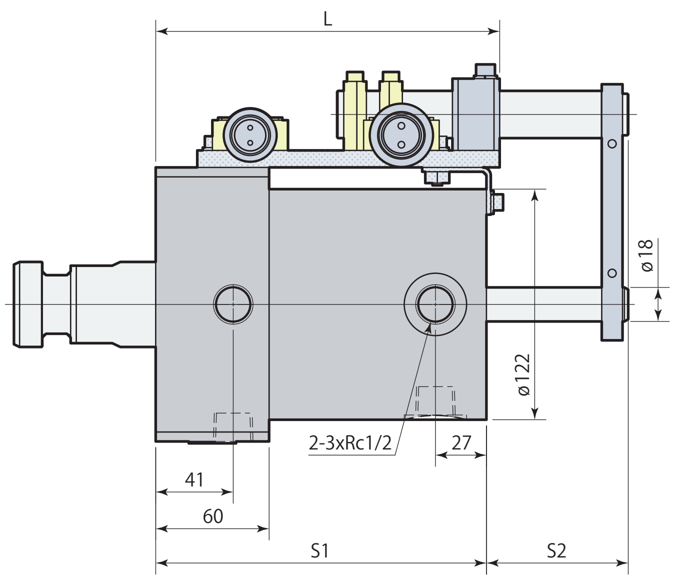


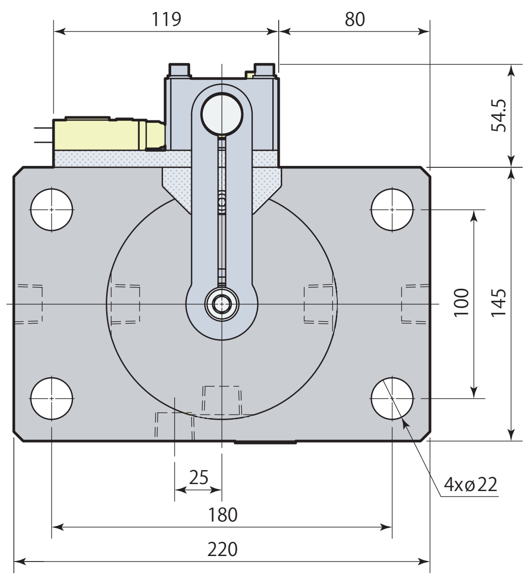


Female thread



Male thread





● This drawing indicates the limit switch mounitng position R. The mounitng position of limit switch for L is opposite to that of R.

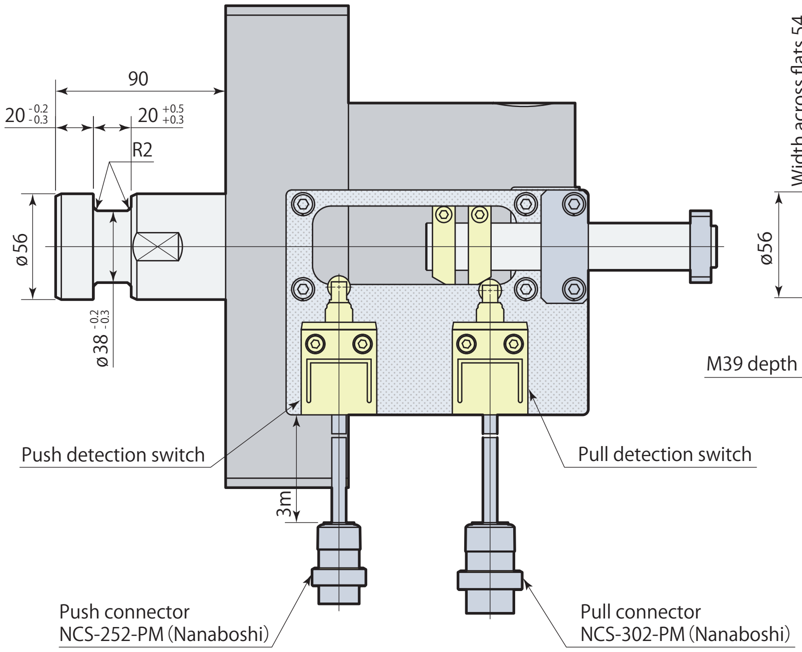
Limit switch model	Electrical rating		Operating temperature
D4C-1232 (OMRON)	AC	5A,125V / 5A,250V	-10℃ ～ 70℃
	DC	5A,8V / 5A,14V / 4A,30V	

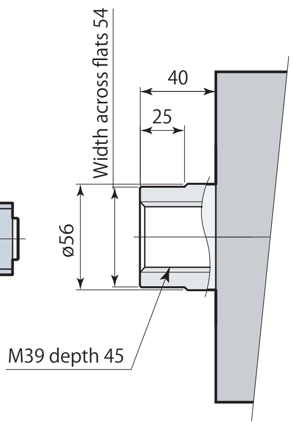
Inner diameter ø125 Three piece cylinder Dual rod C-type switch

Model designation **KC C 125** [Rod tip section specifications] [Packing specifications] [Stroke] [Limit switch mounting position] **E**

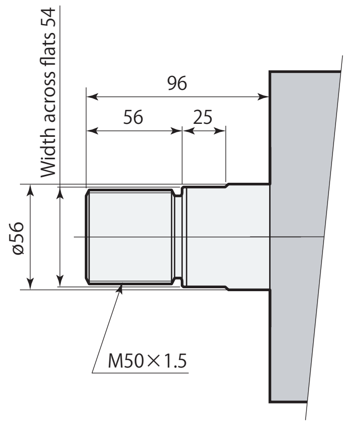
Refer to **page → 1** for the details of model.

Stroke	mm	50	65	80	100	125	150	200
S1	mm	185	200	215	235	260	285	335
S2	mm	75	90	105	125	150	175	225
L	mm	192	207	222	242	267	292	342

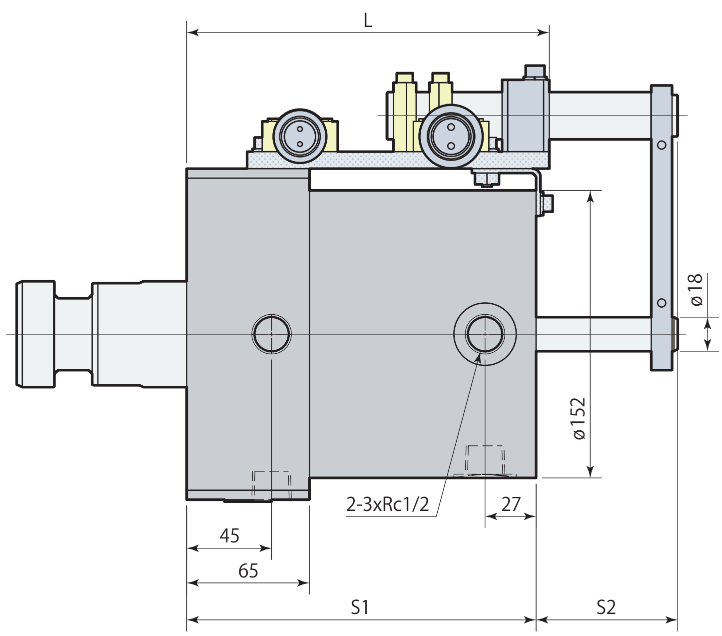


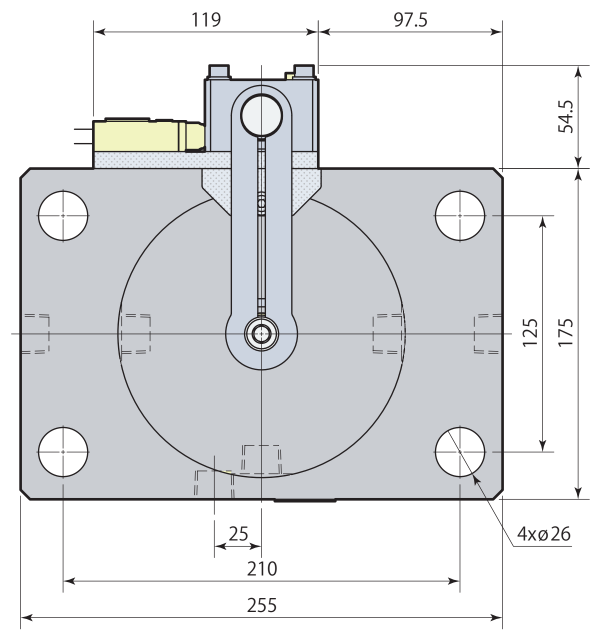


Female thread



Male thread





This drawing indicates the limit switch mounitng position R. The mounitng position of limit switch for L is opposite to that of R.

Limit switch model	Electrical rating		Operating temperature
D4C-1232 (OMRON)	AC	5A,125V / 5A,250V	-10℃ ～ 70℃
	DC	5A,8V / 5A,14V / 4A,30V	

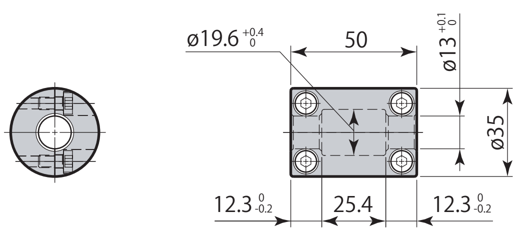
Coupling

Model designation **KCA-C-080**

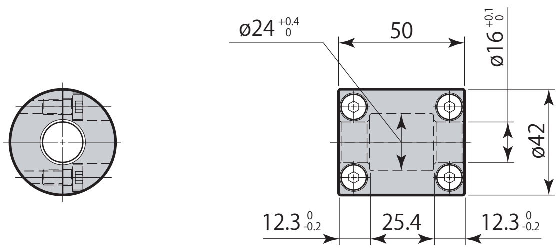
080: Cylinder inner diameter

Cylinder inner diameter (mm)	ø40	ø50	ø63	ø80	ø100	ø125
Symbol	040	050	063	080	100	125

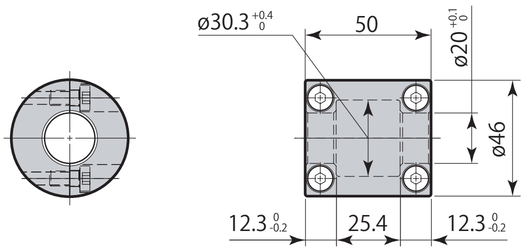
KCA-C-040



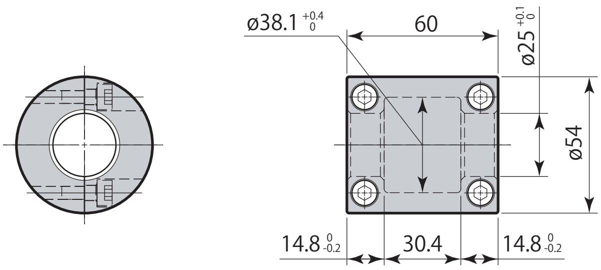
KCA-C-050



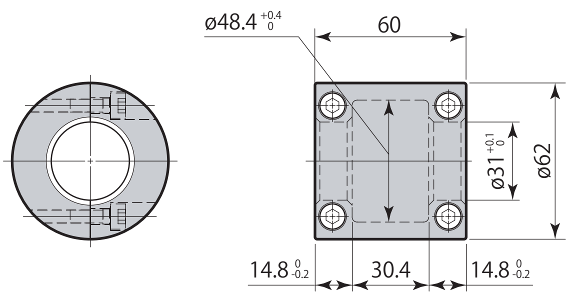
KCA-C-063



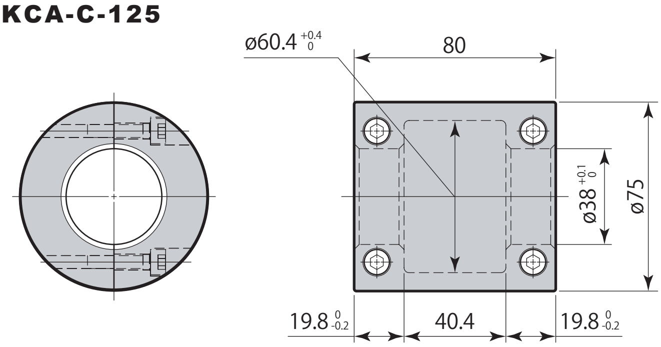
KCA-C-080



KCA-C-100



KCA-C-125



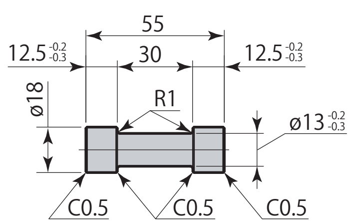
Joint P

Model designation **KCA-J- 080 P**

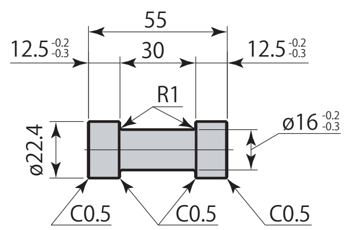
Cylinder inner diameter

Cylinder inner diameter (mm)	ø40	ø50	ø63	ø80	ø100	ø125
Symbol	**040**	**050**	**063**	**080**	**100**	**125**

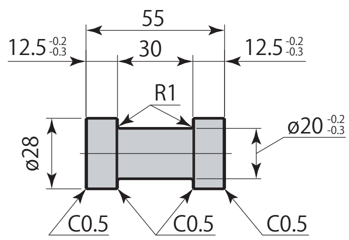
KCA-J-040P



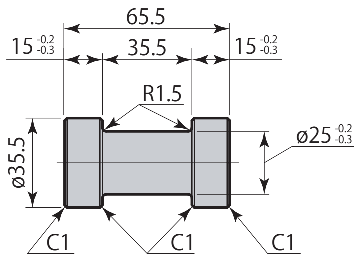
KCA-J-050P



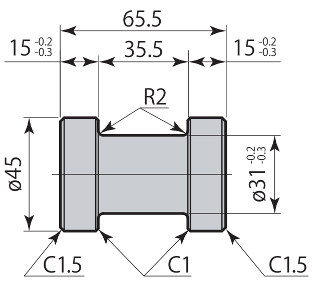
KCA-J-063P



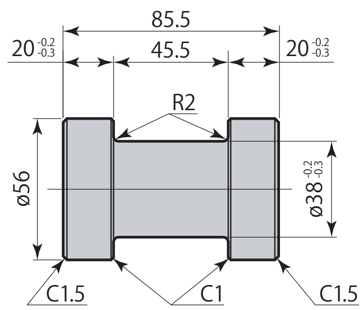
KCA-J-080P



KCA-J-100P



KCA-J-125P



Joint (with coupler plug)

Model designation **KCA-P-** **04** **04-DC**

❶ Port size

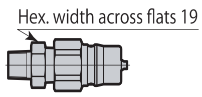
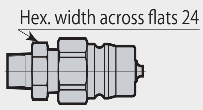
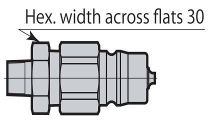
❷ Coupler model

❶ Port size

Port size	Rc3/8	Rc1/2
Symbol	03	04

❷ Coupler model

Coupler model	3HP	3HP-DC	4HP	4HP-DC
Symbol	03	03-DC	04	04-DC

Model	Port size	Coupler model (Nitto Kohki)	Dimensions
KCA-P-0303	Rc3/8	3HP	
KCA-P-0303-DC		3HP-DC	
KCA-P-0304	Rc3/8	4HP	
KCA-P-0304-DC		4HP-DC	
KCA-P-0404	Rc1/2	4HP	
KCA-P-0404-DC		4HP-DC	

Joint (with coupler socket)

Model designation **KCA-S- 04 04-DC**

❶ Port size

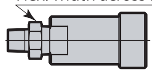
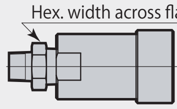
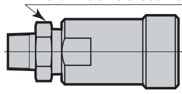
❷ Coupler model

❶ Port size

Port size	Rc3/8	Rc1/2
Symbol	03	04

❷ Coupler model

Coupler model	3HS	3HS-DC	4HS	4HS-DC
Symbol	03	03-DC	04	04-DC

Model	Port size	Coupler model (Nitto Kohki)	Dimensions
KCA-S-0303	Rc3/8	3HS	Hex. width across flats 19 
KCA-S-0303-DC		3HS-DC	
KCA-S-0304	Rc3/8	4HS	Hex. width across flats 24 
KCA-S-0304-DC		4HS-DC	
KCA-S-0404	Rc1/2	4HS	Hex. width across flats 30 
KCA-S-0404-DC		4HS-DC	

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