

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
(ISO-B8)

550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

UN54D

Air Gun

Tracheal
Scissors

Silencers

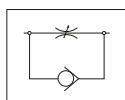
Product feature

1. Speed controller of the actuator.
2. Nickel plated copper body can prevent corrosion and pollution.
3. All R and NPT thread sealants act as seals.
4. Standard O-rings are used for all straight threads.

Specifications

Using fluids	Air, water (conditional)
Working pressure range	0~1.0MPa
Use vacuum pressure	-100KPa (10Torr)
Working temperature range	0~60℃

Symbol



Ordering code (example)

SC

Model

8

Tube size

01

Control method

B

Tube size	Metric size					
Code name	4	6	8	10	12	16
Size (mm)	Φ4	Φ6	Φ8	Φ10	Φ12	Φ16

Tube size	Metric size					
Code name	5/32	3/16	1/4	5/16	3/8	1/2
Size (mm)	Φ3.96	Φ4.76	Φ.35	Φ7.94	Φ9.53	Φ12.7

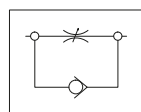
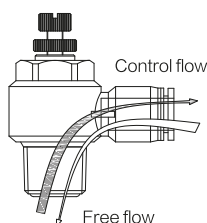
Thread specification

	55° taper pipe thread						Metric thread			55° straight pipe thread				
Code name	01	02	03	04	06		M3	M5	M6	G01	G02	G03	G04	G06
Thread	R1/8	R1/4	R3/8	R1/2	R3/4		M3×0.5	M5×0.8	M6×1.0	G1/8	G1/4	G3/8	G1/2	G3/4

	Unified fine thread/UNF					American 60° tapered pipe thread				
Code name	U10					N01	N02	N03	N04	N06
Thread	10-32UNF					NPT1/8	NPT1/4	NPT3/8	NPT1/2	NPT3/4

1. Exhaust throttle control

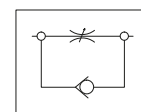
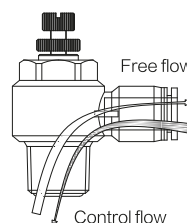
Control the air entering from the threaded end. The air entering from the joint end to the threaded end, or the outflow is not controlled.



Example: SC8-03

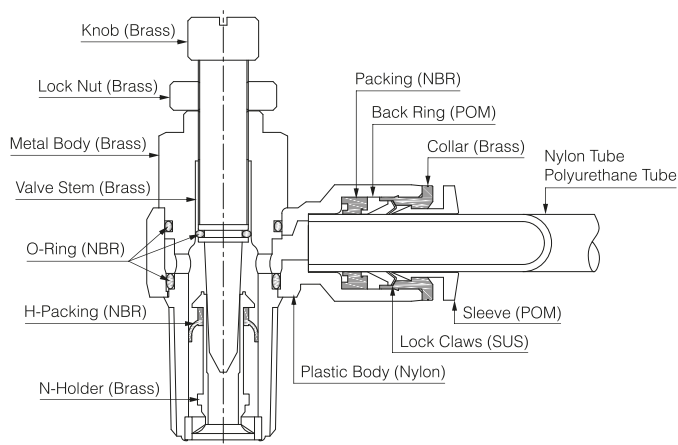
2. Intake throttle control

The air entering from the joint end is controlled, and the air entering from the threaded end and flowing out from the joint end are not controlled.

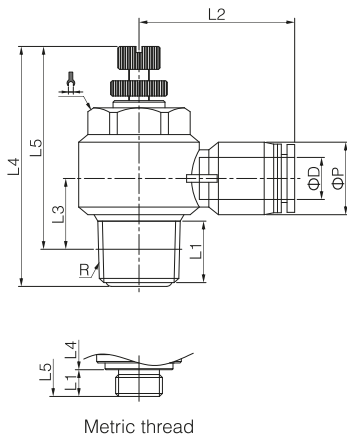


Example: SC8-03-B

Schematic diagram of structure



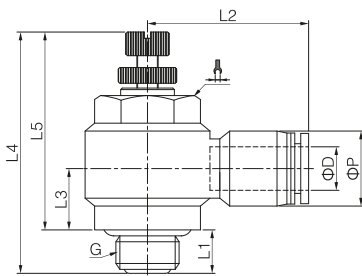
SC Series



Model	Φ D	R	L1	L2	L3	L4		L5		Φ P	
						MIN	MAX	MIN	MAX		
SC4-M3	4	M3×0.5	3	19.5	7.5	28.5	31.5	25.5	28.5	11	8
SC4-M5		M5×0.8	3.5	19.5	7.5	29	32	25.5	28.5	11	8
SC4-M6		M6×1.0	4	19.5	7.5	29.5	32.5	25.5	28.5	11	8
SC4-M3*		M3×0.5	3	19.5	11	32	35	29	32	11	8
SC4-M5*		M5×0.8	3.5	19.5	11	32.5	35.5	29	32	11	8
SC4-M6*		M6×1.0	4	19.5	11	33	36	29	32	11	8
SC4-01		R1/8	7.5	22.5	10.5	35	40	31	36	13	12
SC4-02		R1/4	10.5	24.5	12.5	41	46.5	35	40.5	13	14
SC6-M3	6	M3×0.5	3	21.5	8.5	28.5	31.5	25.5	28.5	13	8
SC6-M5		M5×0.8	3.5	21.5	8.5	29	32	25.5	28.5	13	8
SC6-M6		M6×1.0	4	21.5	8.5	29.5	32.5	25.5	28.5	13	8
SC6-M5*		M5×0.8	3.5	21.5	11	32.5	35.5	29	32	13	8
SC6-M6*		M6×1.0	4	21.5	11	33	36	29	32	13	8
SC6-01		R1/8	7.5	22.5	10.5	35	40	31	36	13	12
SC6-02		R1/4	10.5	24.5	12.5	41	46.5	35	40.5	13	14
SC6-03		R3/8	11.5	26.5	13.5	46.5	52	40	45.5	13	19
SC6-04		R1/2	15	32	18	54	60	46	52	14.5	24
SC8-M5*	8	M5×0.8	3.5	24.5	10	32.5	35.5	29	32	14.5	8
SC8-M6*		M6×1.0	4	24.5	10	33	36	29	32	14.5	8
SC8-01		R1/8	7.5	25	11.5	35	40	31	36	14.5	12
SC8-02		R1/4	10.5	28	13	41	46.5	35	40.5	14.5	14
SC8-03	10	R3/8	11.5	29	14.5	46.5	52	40	45.5	14.5	19
SC8-04		R1/2	15	32	18	54	60	46	52	14.5	24
SC10-01		R1/8	7.5	30.5	13.5	35	40	31	36	18.5	12
SC10-02		R1/4	10.5	32.5	15	41	46.5	35	40.5	18.5	14
SC10-03	12	R3/8	11.5	33	16.5	46.5	52	40	45.5	18.5	19
SC10-04		R1/2	15	36	18	54	60	46	52	18.5	24
SC12-01		R1/8	7.5	33	15	38	43	34	39	21	14
SC12-02		R1/4	10.5	33	16.5	41	46.5	35	40.5	21	14
SC12-03	14	R3/8	11.5	35	18	46.5	52	40	45.5	21	19
SC12-04		R1/2	15	36	19.5	54	60	46	52	21	24
SC14-04	14	R1/2	15	39	22	54	61	46	53	26	24
SC16-04	16	R1/2	15	39	22	54	61	46	43	26	24

Note: Those with * are throttle valves with larger flow rate

SC-G Series



Model	Φ D	G	L1	L2	L3	L4		L5		Φ P	
						MIN	MAX	MIN	MAX		
SC4-G01	4	G1/8	5.5	22.5	9	35	40	29.5	34.5	13	12
SC4-G02		G1/4	8.5	24.5	10	41	46.5	32.5	38	13	14
SC6-G01	6	G1/8	5.5	22.5	9	35	40	29.5	34.5	13	12
SC6-G02		G1/4	8.5	24.5	10	41	46.5	32.5	38	13	14
SC6-G03		G3/8	9.5	26.5	11	46.5	52	37	42.5	13	19
SC6-G04		G1/2	12	32	14.5	54	60	42	48	14.5	24
SC8-G01	8	G1/8	5.5	25	10	35	40	29.5	34.5	14.5	12
SC8-G02		G1/4	8.5	28	10.5	41	46.5	32.5	38	14.5	14
SC8-G03		G3/8	9.5	29	11.5	46.5	52	37	42.5	14.5	19
SC8-G04		G1/2	12	32	14.5	54	60	42	48	14.5	24
SC10-G01	10	G1/8	5.5	30.5	12	35	40	29.5	34.5	18.5	12
SC10-G02		G1/4	8.5	32.5	12.5	41	46.5	32.5	38	18.5	14
SC10-G03		G3/8	9.5	33	13.5	46.5	52	37	42.5	18.5	19
SC10-G04		G1/2	12	36	14.5	54	60	42	48	18.5	24
SC12-G02	12	G1/4	8.5	33	14	41	46.5	32.5	38	21	14
SC12-G03		G3/8	9.5	35	15	46.5	52	37	42.5	21	19
SC12-G04		G1/2	12	36	16	54	60	42	48	21	24
SC14-G04	14	G1/2	12	39	18	55	61	43	49	26	24
SC16-G04	16	G1/2	12	39	18	55	61	43	49	26	24

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UCS

PA12, PA6

UN54D

Air Gun

Tracheal Scissors

Silencers

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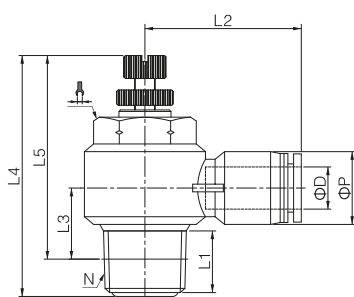
UN54D

Air Gun

Tracheal
Scissors

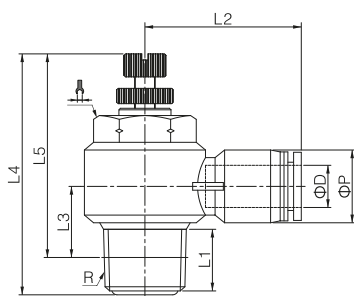
Silencers

SC-N Series



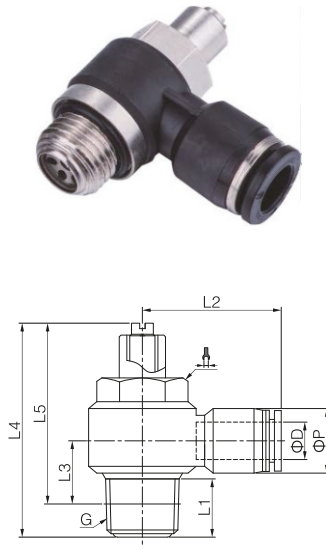
Model	ΦD	N	L1	L2	L3	L4		L5		ΦP	
						MIN	MAX	MIN	MAX		
SC5/32-U10	5/32	10-32UNF	3.5	19.5	7.5	29	32	25.5	28.5	11	8
SC5/32-N01		NPT1/8	7.5	22.5	10.5	35	40	31	36	13	12
SC5/32-N02		NPT1/4	10.5	24.5	12.5	41	46.5	35	40.5	13	14
SC1/4-U10	1/4	10-32UNF	3.5	21.5	8.5	29	32	25.5	28.5	13	8
SC1/4-N01		NPT1/8	7.5	22.5	10.5	35	40	31	36	13	12
SC1/4-N02		NPT1/4	10.5	24.5	12.5	41	46.5	35	40.5	13	14
SC1/4-N03	5/16	NPT3/8	11.5	26.5	14	16.5	52	40	45.5	13	19
SC5/16-N01		NPT1/8	7.5	25	11.5	35	40	31	36	14.5	12
SC5/16-N02		NPT1/4	10.5	28	13	41	46.5	35	40.5	14.5	14
SC5/16-N03		NPT3/8	11.5	29	14.5	46.5	52	40	45.5	14.5	19
SC5/16-N04	3/8	NPT1/2	15	32	18	54	60	46	52	14.5	24
SC3/8-N01		NPT1/8	7.5	30.5	13.5	35	40	31	36	18.5	12
SC3/8-N02		NPT1/4	10.5	32.5	15	41	46.5	35	40.5	18.5	14
SC3/8-N03		NPT3/8	11.5	33	16.5	46.5	52	40	45.5	18.5	19
SC3/8-N04	1/2	NPT1/2	15	36	18	54	60	46	52	18.5	24
SC1/2-N02		NPT1/4	10.5	33	16.5	41	46.5	35	40.5	21	14
SC1/2-N03		NPT3/8	11.5	35	18	46.5	52	40	45.5	21	19
PC1/2-N04		NPT1/2	15	36	19.5	54	60	46	52	21	24

SCDC-R Series



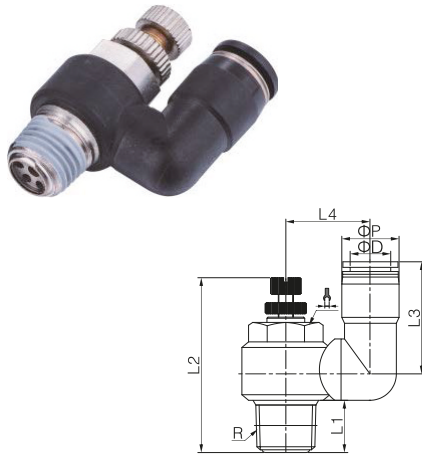
Model	ΦD	R	L1	L2	L3	L4		L5		ΦP	
						MIN	MAX	MIN	MAX		
SCDC4-M5	4	M5x0.8	3.5	19.5	7.5	23.5	24.5	20	21	11	8
SCDC4-01		R1/8	7.5	22.5	10	31.5	32.5	27.5	28.5	13	12
SCDC4-03		R1/4	10.5	24.5	12.5	38	39	32	33	13	14
SCDC6-M5	6	M5x0.8	3.5	21.5	8.5	23.5	24.5	20	21	13	8
SCDC6-01		R1/8	7.5	22.5	10	31.5	32.5	27.5	28.5	13	12
SCDC6-02		R1/4	10.5	24.5	12.5	38	39	32	33	13	14
SCDC6-03		R3/8	11.5	26.5	14	43	44	36.5	37.5	13	19
SCDC6-04	8	R1/2	15	32	18	50	51	42	43	14.5	24
SCDC8-01		R1/8	7.5	25	11.5	31.5	32.5	27.5	28.5	14.5	12
SCDC8-02		R1/4	10.5	28	13	38	39	32	33	14.5	14
SCDC8-03		R3/8	11.5	29	14.5	43	44	36.5	37.5	14.5	19
SCDC8-04	10	R1/2	15	32	18	50	51	42	43	14.5	24
SCDC10-01		R1/8	7.5	30.5	13.5	31.5	32.5	27.5	28.5	18.5	12
SCDC10-02		R1/4	10.5	32.5	15	38	39	32	33	18.5	14
SCDC10-03		R3/8	11.5	33	16.5	43	44	36.5	37.5	18.5	19
SCDC10-04	12	R1/2	15	36	18	50	51	42	43	18.5	24
SCDC12-02		R1/4	10.5	33	16.5	38	39	32	33	21	14
SCDC12-03		R3/8	11.5	35	18	43	44	36.5	37.5	21	19
SCDC12-04		R1/2	15	36	19.5	50	51	42	43	21	24

SCDC-G Series



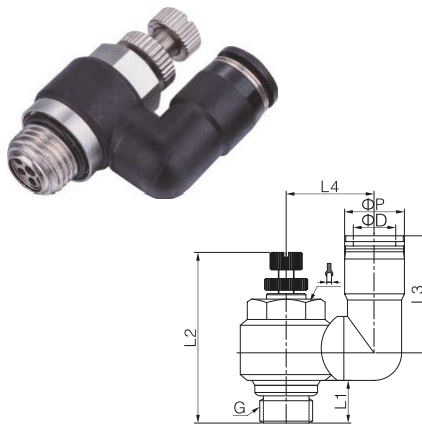
Model	Φ D	G	L1	L2	L3	L4		L5		Φ P	
						MIN	MAX	MIN	MAX		
SCDC4-G01	4	G1/8	5.5	22.5	10	31.5	32.5	26	27	13	12
SCDC4-G02		G1/4	8.5	24.5	12.5	38	39	29.5	30.5	13	14
SCDC6-G01	6	G1/8	5.5	22.5	10	31.5	32.5	26	27	13	12
SCDC6-G02		G1/4	8.5	24.5	12.5	38	39	29.5	30.5	13	14
SCDC6-G03		G3/8	9.5	26.5	14	43	44	33.5	34.5	13	19
SCDC6-G04	8	G1/2	12	32	18	50	51	38	39	14.5	24
SCDC8-G01		G1/8	5.5	25	11.5	31.5	32.5	26	27	14.5	12
SCDC8-G02		G1/4	8.5	28	13	38	39	29.5	30.5	14.5	14
SCDC8-G03		G3/8	9.5	29	14.5	43	44	33.5	34.5	14.5	19
SCDC8-G04	10	G1/2	12	32	18	50	51	38	39	14.5	24
SCDC10-G01		G1/8	5.5	30.5	13.5	31.5	32.5	26	27	18.5	12
SCDC10-G02		G1/4	8.5	32.5	15	38	39	29.5	30.5	18.5	14
SCDC10-G03		G3/8	9.5	33	16.5	43	44	33.5	34.5	18.5	19
SCDC10-G04	12	G1/2	12	36	18	50	51	38	39	18.5	24
SCDC12-G02		G1/4	8.5	33	16.5	38	39	29.5	30.5	21	14
SCDC12-G03		G3/8	9.5	35	18	43	44	33.5	34.5	21	19
SCDC12-G04		G1/2	12	36	19.5	50	51	38	39	21	24

SS-R Series



Model	Φ D	R	L1	L2		L3	L4	Φ P	
				MIN	MAX				
SS4-M5	4	M5	3.5	29	31.5	17	10	9	8
SS6-01	6	R1/8	7.5	35	41	18	13	11	12
SS6-02		R1/4	10.5	40.5	46	18	15	11	14
SS8-01	8	R1/8	7.5	35	41	25.5	15.5	14.5	12
SS8-02		R1/4	10.5	40.5	46	25.5	17	14.5	14
SS10-02	10	R1/4	10.5	40.5	46	27.5	20.5	18.5	14
SS10-03		R3/8	11.5	46.5	52	27.5	22	18.5	19
SS12-02	12	R1/4	10.5	40.5	46	29.5	22	21	14
SS12-03		R3/8	11.5	46.5	52	29.5	23	21	19

SS-G Series



Model	Φ D	G	L1	L2		L3	L4	Φ P	
				MIN	MAX				
SS6-G01	6	G1/8	5.5	35	41	18	13	11	12
SS6-G02		G1/4	8.5	40.5	46	18	15	11	14
SS8-G01	8	G1/8	5.5	35	41	25.5	15.5	14.5	12
SS8-G02		G1/4	8.5	40.5	46	25.5	17	14.5	14
SS10-G02	10	G1/4	8.5	40.5	46	27.5	20.5	18.5	14
SS10-G03		G3/8	9.5	46.5	52	27.5	22	18.5	19
SS12-G02	12	G1/4	8.5	40.5	46	29.5	22	21	14
SS12-G03		G3/8	9.5	46.5	52	29.5	23	21	19

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550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

PA12,
PA6

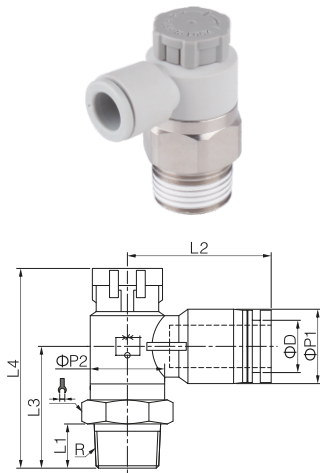
UN54D

Air Gun

Tracheal
Scissors

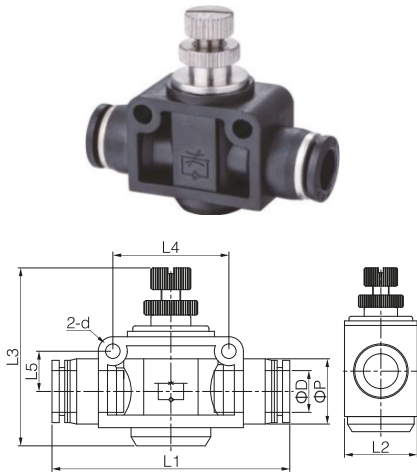
Silencers

ZSC Series



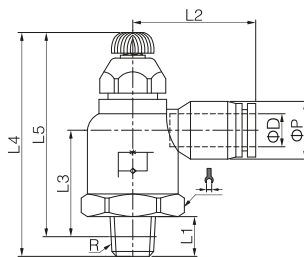
Model	ΦD	R	L1	L2	L3		L4	ΦP1	ΦP2	
					MIN	MAX				
ZSC4-M5	4	M5	3.5	16	28	29	19	9	9	9
ZSC4-01		R1/8	7.5	20	35.5	37	24.5	9	13	13
ZSC6-M5	6	M5	3.5	19.5	28	29	19	11	9	9
ZSC6-01		R1/8	7.5	22.5	35.5	37	24.5	13	13	13
ZSC6-02	8	R1/4	10	24	39	40.5	26.5	13	17	17
ZSC8-01		R1/8	7.5	24.5	35.5	37	24.5	14.5	13	13
ZSC8-02	10	R1/4	10	26	39	40.5	26.5	14.5	17	17
ZSC8-03		R3/8	11	26	42.5	44	29	14.5	19	19
ZSC10-02	12	R1/4	10	28	39	40.5	26.5	18.5	17	17
ZSC10-03		R3/8	11	29	42.5	44	29	18.5	19	19
ZSC10-04	12	R1/2	14	32	50.5	52	35.5	18.5	24	24
ZSC12-03		R3/8	11	29	42.5	44	29	21	19	19
ZSC12-04	12	R1/2	14	34	50.5	52	35.5	21	24	24

SCF Series



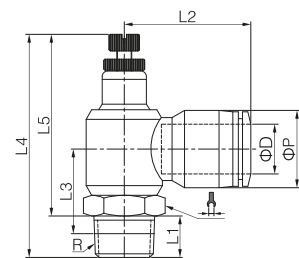
Model	ΦD	L1	L2	L3		L4	L5	ΦP	Φd
				MIN	MAX				
SCF4	4	40	11.5	27	29.5	14	6.5	11	3.2
SCF6	6	47	15	39	44.5	20	8.5	13	4.2
SCF8	8	52	18	42.5	47.5	22	9.5	14.5	4.2
SCF10	10	63.5	21	46.5	52.5	26	11	18.5	4.2
SCF12	12	74	28	54	59	32	14	21	4.2
SCF5/32	5/32	40	11.5	27	29.5	14	6.5	11	3.2
SCF3/16	3/16	40	11.5	27	29.5	14	6.5	11	3.2
SCF1/4	1/4	47	15	39	44.5	20	8.5	13	4.2
SCF5/16	5/16	52	18	42.5	47.5	22	9.5	14.5	4.2
SCF3/8	3/8	63.5	21	46.5	52.5	26	11	18.5	4.2
SCF1/2	1/2	74	28	54	59	32	14	21	4.2

DSC-I Series



Model	ΦD	R	L1	L2	L3	
DSC8-01-I	8	R1/8	8	27.5	20.5	
DSC8-02-I		R1/4	11	27.5	21.5	
DSC8-03-I		R3/8	11.5	27.5	21.5	
Model	L4		L5		ΦP	
	MIN	MAX	MIN	MAX		
DSC8-01-I	47.5	52	43.5	48	14.5	19
DSC8-02-I	50.5	55	44.5	49	14.5	19
DSC8-03-I	52	56.5	45.5	50	14.5	19

DSC-II Series



Model	ΦD	R	L1	L2	L3	
DSC8-01-II	8	R1/8	8	26.5	18	
DSC8-02-II		R1/4	11	26.5	19	
Model	L4		L5		ΦP	
	MIN	MAX	MIN	MAX		
DSC8-01-II	46.5	51.5	42.5	47.5	14.5	14
DSC8-02-II	49.5	54.5	43.5	48.5	14.5	14