

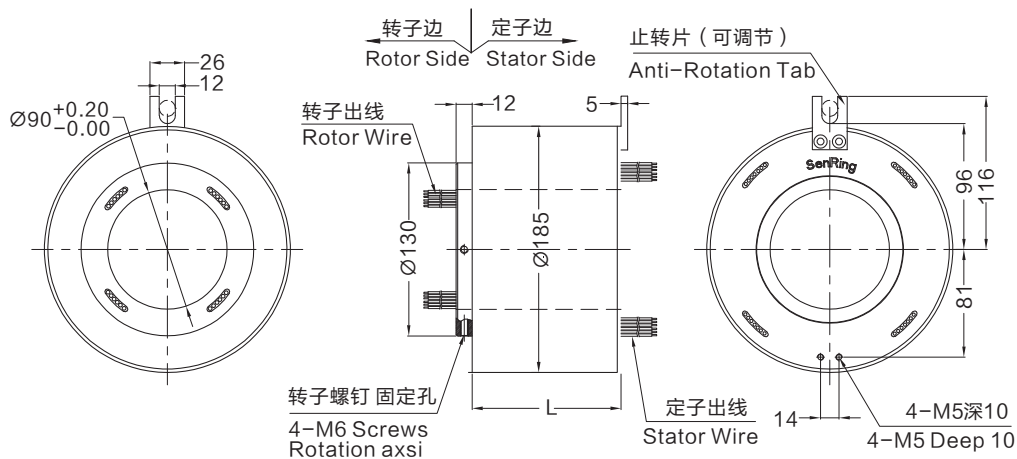
# H90185 Series



H90185 series standard precise slip ring , integrated structure design, with through hole 90mm , OD185mm , suitable for rotating application which requires a through hole  $\leq 90\text{mm}$  ( remark: if need a hole  $< 90\text{mm}$ , can add a inner bushing)

## Part No. description

H90185 - Power circuits no. - Signal circuits no. - Eproduct grade	
H:through hole slip ring 90185:ID 90mm, OD 185mm  Example: 0610:6 circuits,10A per circuit 1220:2circuits,10A per circuit	Example: C: standard level D:Industrial level H:High quality level  Example: 06S:6circuits signal (0~2A) 12S:12circuits signal (0~2A)



## Standard Model List

H90185 series model list							
Part no	Circuit		Length L(mm)	part no	Circuit		Length L(mm)
	10A	Signal or 5A			10A	Signal or 5A	
H90185-02S	0	2	48	H90185-36S	0	36	184
H90185-0210	2	0	48	H90185-0610-30S	6	30	184
H90185-03S	0	3	52	H90185-1210-S24	12	24	184
H90185-0310	3	0	52	H90185-3610	36	0	184
H90185-06S	0	6	64	H90185-42S	0	42	208
H90185-0210-04S	2	4	64	H90185-0610-36S	6	36	208
H90185-0410-02S	4	2	64	H90185-1210-30S	12	30	208
H90185-0610	6	0	64	H90185-4210	42	0	208
H90185-12S	0	12	88	H90185-48S	0	48	232
H90185-0210-10S	2	10	88	H90185-0610-42S	6	42	232
H90185-0310-09S	3	9	88	H90185-1210-36S	12	36	232
H90185-0610-06S	6	6	88	H90185-1810-30S	18	30	232
H90185-0810-04S	8	4	88	H90185-2410-24S	24	24	232
H90185-1010-02S	10	2	88	H90185-4810	48	0	232
H90185-1210	12	0	88	H90185-60S	0	60	280
H90185-18S	0	18	112	H90185-0610-54S	6	54	280
H90185-0210-16S	2	16	112	H90185-0910-51S	9	51	280
H90185-0410-14S	4	14	112	H90185-1210-48S	12	48	280
H90185-0610-12S	6	12	112	H90185-2410-36S	24	36	280
H90185-0810-10S	8	10	112	H90185-72S	0	72	328

Part no.	10A	Signal or 5A	Length L(mm)	Part no.	10A	Signal or 5A	Length L(mm)
H90185-1010-08S	10	8	112	H90185-1210-60S	12	60	328
H90185-1210-06S	12	6	112	H90185-2410-48S	24	48	328
H90185-1410-04S	14	4	112	H90185-3610-36S	36	36	328
H90185-1610-02S	16	2	112	H90185-84S	0	84	376
H90185-24S	0	24	136	H90185-1210-72S	12	72	376
H90185-0410-20S	4	20	136	H90185-2410-60S	24	60	376
H90185-0610-18S	6	18	136	H90185-3610-48S	36	48	376
H90185-1210-12S	12	12	136	H90185-96S	0	96	426
H90185-1810-06S	18	6	136	H90185-1210-84S	12	84	426
H90185-2410	24	0	136	H90185-2410-72S	24	72	426
H90185-30S	0	30	160	H90185-3610-60S	36	60	426
H90185-0610-24S	6	24	160	H90185-4210-54S	42	54	426
H90185-1210-18S	12	18	160	H90185-108S	0	108	472
H90185-1810-12S	18	12	160	H90185-1210-96S	12	96	472
H90185-2410-06S	24	6	160	H90185-2410-84S	24	84	472
H90185-3010	30	0	160	H90185-3610-72S	36	72	472

\*Remark: Circuits can be combined in parallel for bigger current, N circuits of 10A to get N\*10A, such as 2 circuits of 10A in parallel for 20A use. 10A circuits No. and signal circuits (5A) No. can be customized based on standard products, pls inquiry Senring for details.

### Technical Specification

Mechanical		Electrical		
Spec	Data	Spec	Data	
Working life	pls refer to product grade table		Power	Signal
Rotating speed	pls refer to product grade table	Rated voltage	0~690VAC/VDC	0~440VAC/VDC
Working temp.	-30°C~80°C	Insulation resistance	≥1000mΩ/500VDC	≥1000mΩ/500VDC
Work humidity	0~85% RH	Lead wire spec	AWG17# Silver-plated teflon	AWG22# Silver-plated teflon
Contact material	pls refer to produce grade table	Lead wire length	standard 300mm(can be customized)	
Housing material	AL alloy	Dielectric Strength	800VAC@50Hz,60s	
Torque	0.1N.m (+0.03N.m/6circuits)	Electrical noise	<0.01Ω	
IP grade	IP51			

### Product Grade Table

Grade code	Max rotating speed	Working life	Contact material
C:standard	250RPM	20millisons revolutions	precious metal
D:industrial	600RPM	80millisons revolutions	precious metal
H:high quality	1000RPM	150millisons revolutions	gold alloy

### Color code of Lead Wire

ring#	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU
ring#	13	14	15	16	17	18	19	20	21	22	23	24
color	WHT/BLK	WHT/BRN	WHT/RED	WHT/ORG	WHT/YEL	WHT/GRN	WHT/BLU	WHT/PUR	WHT/GRY	BLK/RED	BLK/BRN	Transparent

Remark: "1" : the first wire from rotor side , H90185-06S wire color sequence: BLK/BRN/RED/ORG/WHT/GRN , 24 color wires as one group , if more than 24wires, repeat as sequence , use number tube to tell group 1#, 2#....