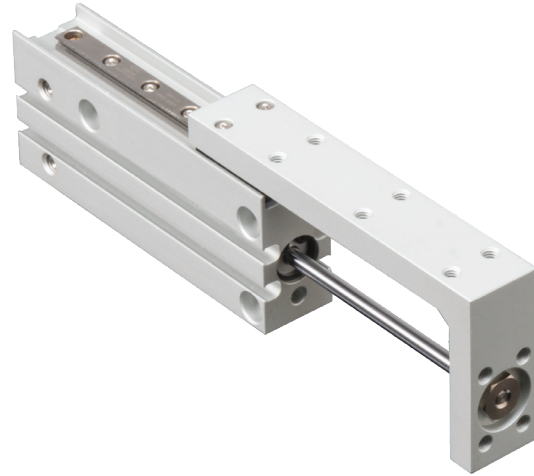


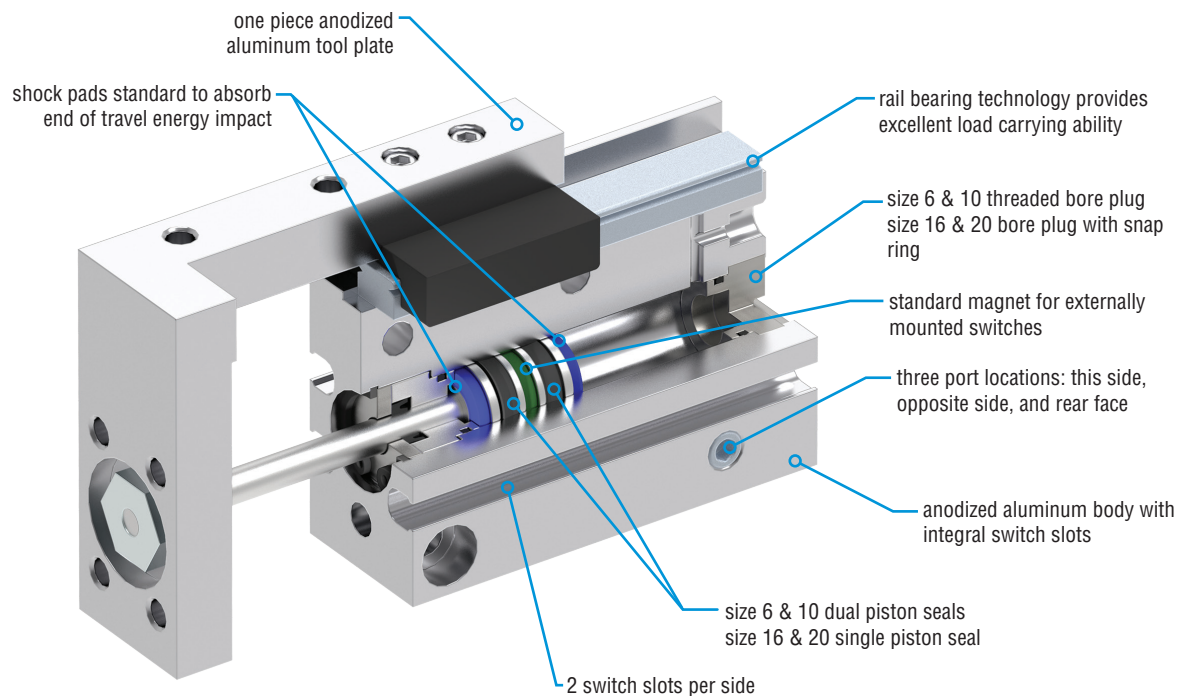
OSH

Major Benefits

- Multiple port locations for application flexibility
- Four bore sizes available in incremental travel lengths to fit a variety of applications
- Drop-in metric mounting matching global standard
- Standard shock pads reduce end of travel impact
- Standard magnets for switch sensing capability
- Proven Optimax® performance at a competitive price

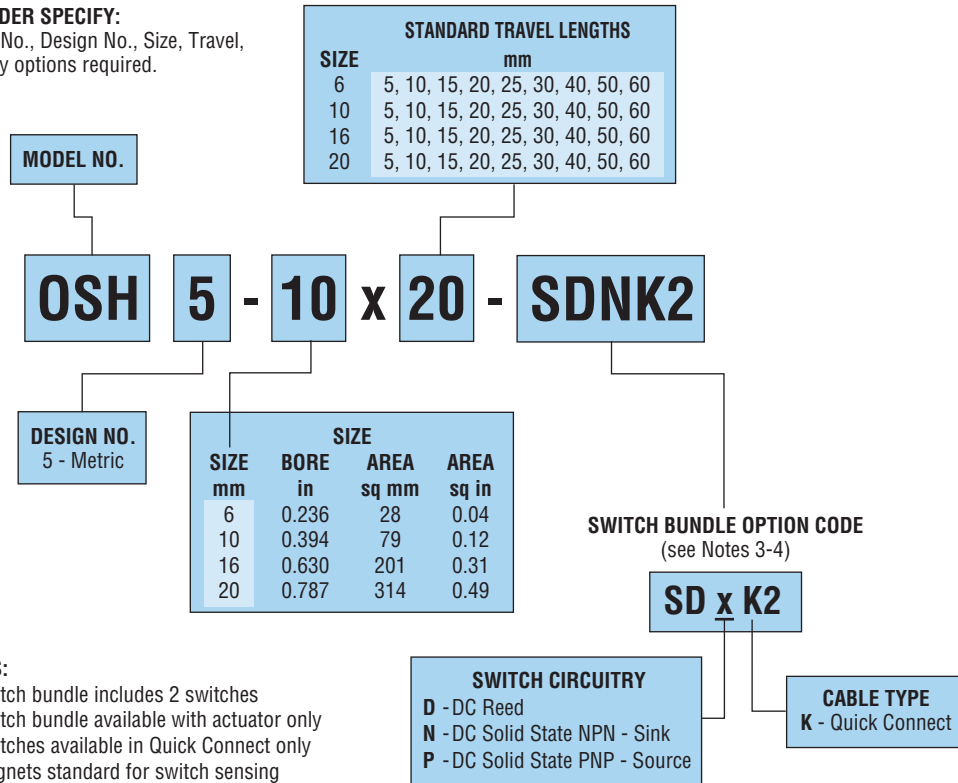


COMPONENT	MATERIALS
BODY	Anodized Aluminum Alloy
TOOL PLATE	
ROD BUSHING	
BORE PLUG	
SNAP RING	Carbon Steel
ROD COUPLING	Brass
ROD SEAL	NBR
SHOCK PAD	
PISTON SEAL	
O-RINGS	
PISTON ROD	Stainless Steel
RAIL	
RAIL FASTENERS	
TOOL PLATE FASTENERS	
PRESSED IN BALL PLUGS	
PORT PLUGS	



ORDERING DATA: Series OSH Slides

TO ORDER SPECIFY:
Model No., Design No., Size, Travel,
and any options required.



NOTES:

- 1) Switch bundle includes 2 switches
- 2) Switch bundle available with actuator only
- 3) Switches available in Quick Connect only
- 4) Magnets standard for switch sensing

SWITCHES

PART NO.	DESCRIPTION
86725-0	Reed DC 5-30 V, 50 mA, Quick Connect
86726-0	Sink Type (NPN), DC 5-30 V, 50 mA, Quick Connect
86727-0	Source Type (PNP), DC 5-30 V, 50 mA, Quick Connect

Includes one switch.

CORDSETS

MODEL NO.	CABLE LENGTH
63549-02	78.74 in [2 m]
63549-05	196.85 in [5 m]

Includes one cordset.

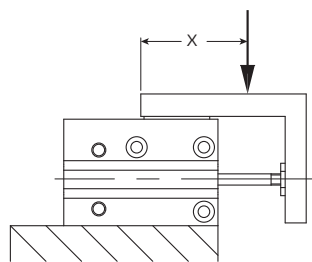
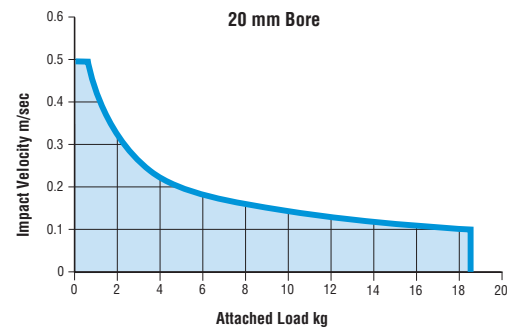
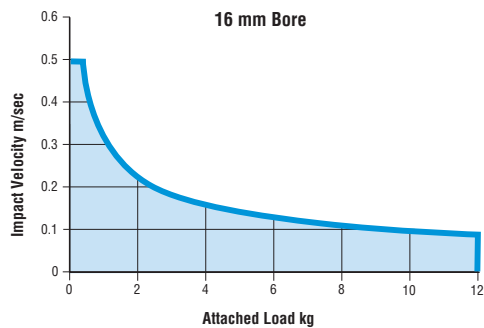
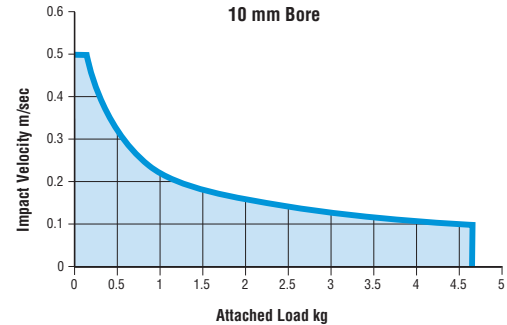
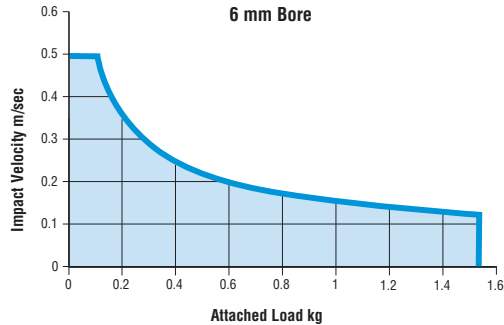
ENGINEERING DATA: Series OSH Slides

SPECIFICATIONS	SERIES OSH SLIDE		
	6 mm	10 & 16 mm	20 mm
OPERATING AIR PRESSURE	1.2-7 bar [18-101 psi]	0.6-7 bar [9-101 psi]	0.5-7 bar [7.5-101 psi]
OPERATING TEMPERATURE	5°-60°C [41°-140°F]		
VELOCITY	50-500 mm/sec [2-20 in/sec]		
RATED LIFE	3 million cycles		
LUBRICATION	Factory lubricated for rated life		

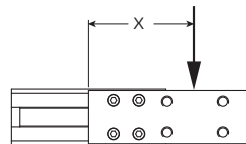
SIZE	ROD DIAMETER	EFFECTIVE AREA			UNIT WEIGHT BY TRAVEL																	
					5 mm		10 mm		15 mm		20 mm		25 mm		30 mm		40 mm		50 mm		60 mm	
	mm	Direction	mm²	in²	g	oz	g	oz	g	oz	g	oz	g	oz	g	oz	g	oz	g	oz		
6	3	Extend	28	0.04	62	2.2	67	2.4	76	2.7	81	2.9	91	3.2	96	3.4	111	3.9	125	4.4	140	4.9
		Retract	21	0.03																		
10	4	Extend	79	0.12	117	4.1	125	4.4	140	4.9	148	5.2	162	5.7	170	6	192	6.8	215	7.6	238	8.4
		Retract	66	0.10																		
16	6	Extend	201	0.31	216	7.6	227	8	247	8.7	258	9.1	279	9.8	290	10.2	323	11.4	353	12.5	386	13.6
		Retract	173	0.27																		
20	8	Extend	314	0.49	437	15.4	455	16	486	17.1	505	17.8	542	19.1	560	19.8	597	21.1	656	23.1	700	24.7
		Retract	264	0.41																		

SIZE	RECOMMENDED MOUNTING TORQUES							
	LATERAL BODY THRU AND COUNTERBORE		LATERAL BODY THREADS		REAR AND BOTTOM BODY THREADS		TOOL PLATE AND TABLE THREADS	
	Nm	in-lb	Nm	in-lb	Nm	in-lb	Nm	in-lb
6	1.7	15	2.8	25	1.7	15	1.7	15
10	2.8	25	5	40	2.8	25	2.8	25
16	2.8	25	5	40	2.8	25	2.8	25
20	5	40	9	80	5	40	5	40

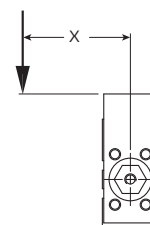
MAXIMUM ALLOWABLE KINETIC ENERGY



Pitch Moment

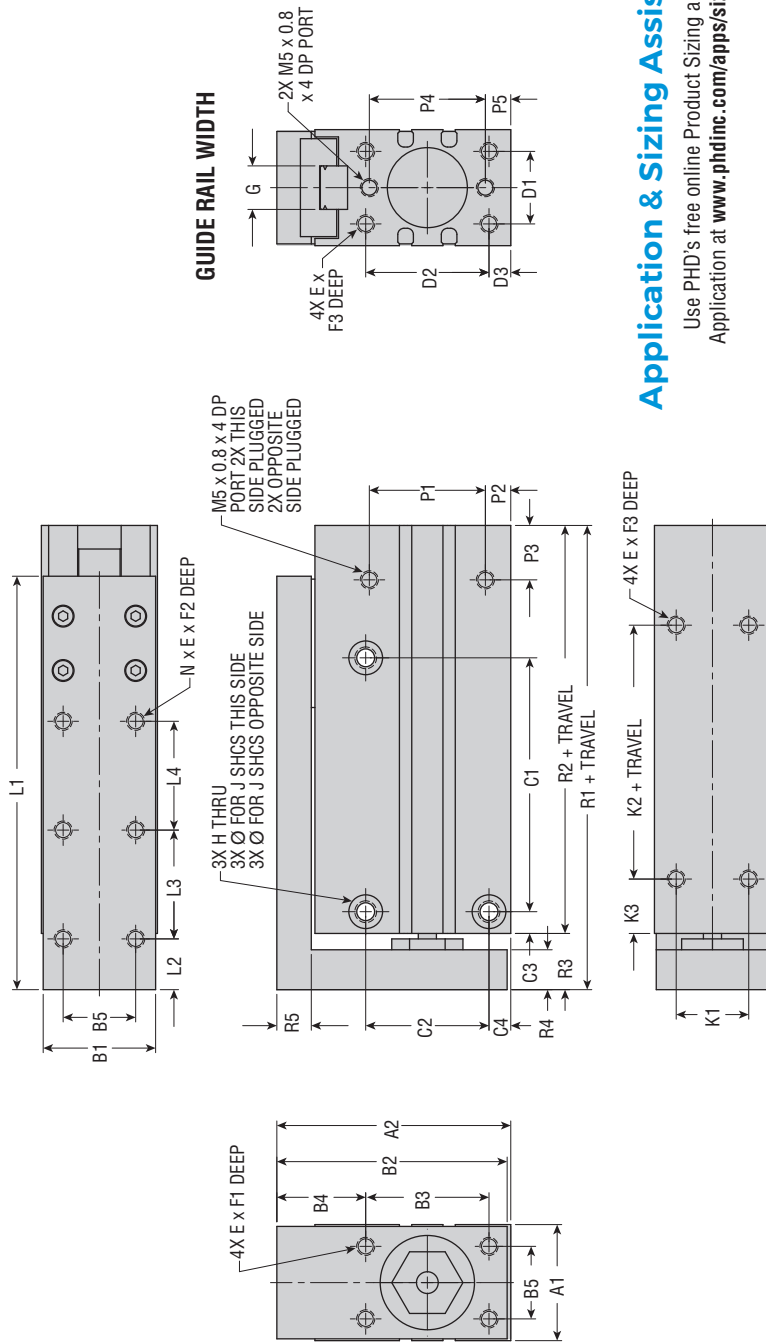


Yaw Moment



Roll Moment

SIZE	MAX PITCH MOMENT	MAX YAW MOMENT	MAX ROLL MOMENT
	Nm	Nm	Nm
6	0.47	0.39	0.59
10	0.96	0.82	1.37
16	1.88	1.59	2.75
20	3.14	2.75	5.49



Application & Sizing Assistance

Use PHD's free online Product Sizing and Application at www.phdinc.com/apps/sizing

MODEL SIZE	TRAVEL	A1	A2	B1	B2	B3	B4	B5	C1	C2	C3	C4	D1	D2	D3	E	F1	F2	F3	G	H	J	K1	K2	K3	L1	L2	L3	L4	R1	R2	R3	R4	R5	N	P1	P2	P3	P4	P5	
OSH5-6	5,10								14																	42	10	-													
	15,20								24																52	20	-														
	25,30	16	39	15	38	15	17	9	30	19	4	5	10,5	19	5	M3	5,5	4,8	4,8	5	M4	M3	10	5	10	62	8	30	-	39,5	31	8,5	5,5	6,5	—	19	5	10	18,5	5,5	
	40								45								0,5				x				82	25	20	20	20												
	50								55																92	25	25	25							6						
OSH5-10	5,10								14																	49	10	-													
	15,20								24																59	20	-														
	25,30	20	47	19	46	18	21,5	11	30	23	5	5	13	23	5	M4	7,5	5,8	6	7	M5	M4	13	5	12	69	11	30	-	46,5	35	11,5	7,5	8	—	21	6	12,5	20,5	6,5	
	40								45								0,7				x				89	25	20	20	20												
	50								55																99	25	25	25													
OSH5-16	5,10								20																	58	10	-													
	15,20								30																68	20	-														
	25,30	25	53,5	24	52,5	26	21,5	16	40	27	5	5,5	17	27	5,5	M4	10	5,8	6	9	M5	M4	17	10	12	78	14	30	-	56	42	14	10	9	—	25	6,5	12,5	25	6,5	
	40								50								0,7				x				88	20	20	20	20												
	50								60																98	25	25	25													
OSH5-20	5,10								20																	108	30	30													
	15,20								25																	64	10	-													
	25,30	32	64,5	31	63,5	34	24,5	20	40	34	6	6	20	34	6	M5	11	6,3	8	12	M6	M5	20	10	15	84	14	30	-	68	52,5	15,5	11	9,5	—	32	7	15	32	7	
	40								50								0,8				x							20	20	20											
	50								70																104	25	25	25													
60								70																114	30	30															

All dimensions are reference only unless specifically tolerated.