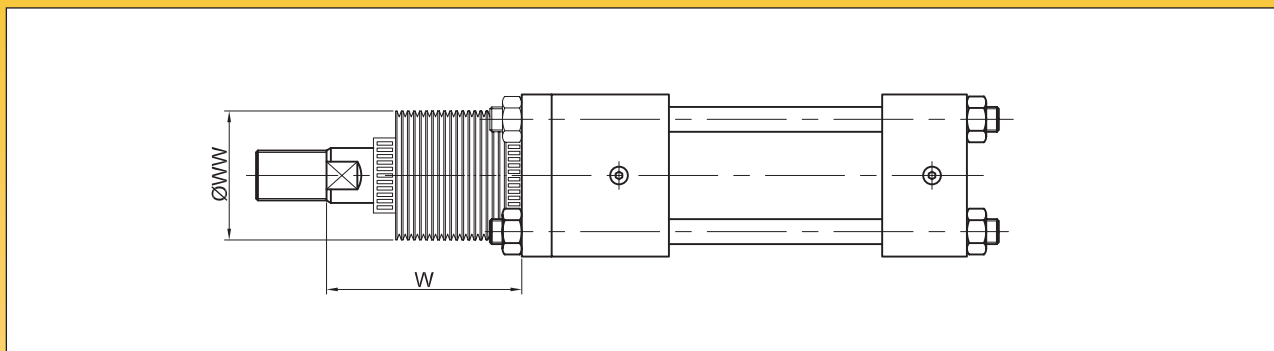


TANAIR

IS140H TIE ROD TYPE HYDRAULIC CYLINDER DUST BOOT TYPE



	Standard	Semi-Standard
Materials	Nylon	Neoprene
Heat-resistance	80°C	130°C

ID \ Notation	Φ40	Φ50	Φ63	Φ80	Φ100	Φ125	Φ140	Φ150	Φ160	Φ180	Φ200	Φ250	
X	Type B	45	45	55	55	55	65	65	65	65	65	80	
	Type C												
WW	Type B	50	63	71	80	100	125	125	140	140	160	180	200
	Type C	50	50	63	71	80	100	125	125	125	140	140	180
LL	1/3.5		1/4			1/5					1/6		
$W = (\text{Stroke} + X) / LL$													

Table Of Cylinder Weight

ID	Rod Type	Basic Weight(SD)		Support Weight										Lot End		Allowance of stroke	
		Standard	Double Rod	LA	LB	FA	FB	FC	FD	CA	CB	TA	TC	Single Clevis	Double Clevis	Standard	Double Rod
Φ40	B	3.5	4.4	0.5	0.5	0.2	0.7	0.7	1.1	0.5	0.6	0.1	0.6	0.5	0.7	0.011	0.014
	C	3.4	4.3													0.010	0.012
Φ50	B	5.0	6.4	0.9	0.7	0.7	1.2	1.5	2.0	1.0	1.2	0.4	1.0	1.0	1.2	0.014	0.019
	C	4.9	6.2													0.012	0.014
Φ63	B	7.9	10.2	1.0	1.2	1.0	1.8	2.2	3.0	2.0	2.6	0.6	1.2	2.7	3.9	0.019	0.027
	C	7.6	9.8													0.017	0.022
Φ80	B	16.2	20.3	1.8	2.0	1.1	3.0	2.8	4.7	3.0	3.6	0.6	2.1	2.7	3.7	0.032	0.045
	C	15.5	19.4													0.027	0.035
Φ100	B	26.0	32.7	2.1	2.9	1.8	4.8	4.6	7.4	5.5	6.7	1.0	3.8	4.2	7.7	0.048	0.067
	C	24.9	31.1													0.042	0.055
Φ125	B	42.9	53.6	3.2	5.5	2.9	8.4	8.0	13.0	9.9	12.1	2.1	6.2	8.0	14.6	0.077	0.107
	C	42.5	52.7													0.065	0.084
Φ140	B	59.6	73.9	3.8	7.7	3.2	11.1	9.2	17.1	16.7	21.0	4.1	11.1	19.0	28.8	0.100	0.140
	C	56.0	69.6													0.085	0.111
Φ150	B	69.9	86.5	4.8	9.6	4.9	13.7	16.6	22.4	18.2	26.8	4.6	10.9	18.9	28.3	0.118	0.162
	C	67.9	83.6													0.101	0.127
Φ160	B	84.3	114.6	5.4	10.0	5.3	16.5	19.0	25.2	22.9	28.4	5.2	14.8	22.7	34.2	0.121	0.171
	C	79.9	99.1													0.102	0.132
Φ180	B	115.1	-	7.9	13.8	7.7	22.7	25.0	33.6	33.8	42.9	-	19.4	-	-	0.179	0.241
	C	108.5	-													0.157	0.197
Φ200	B	155.2	-	11.4	21.0	10.6	31.6	28.8	48.7	51.4	65.4	-	27.2	-	-	0.220	0.295
	C	147.3	-													0.192	0.242
Φ250	B	283.7	-	18.3	46.7	17.5	55.1	48.2	88.3	74.5	91.6	-	43.3	-	-	0.333	0.454
	C	264.1	-													0.290	0.365

There will be a weight difference as changed design

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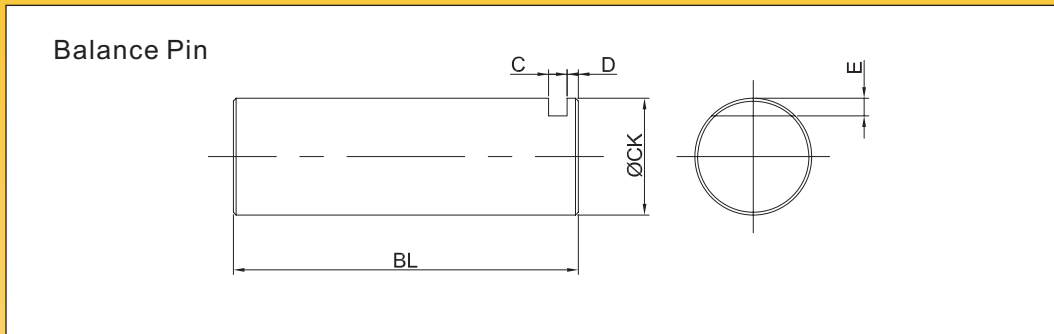
IS140H TIE ROD TYPE HYDRAULIC CYLINDER

SDF FORWARD DIRECTION HEAD-SIDE, FLANGE TYPE	IS 70/140 H-2	SDF 4 C/B-	6	7	ST	8	-	9	10	
	(2) PACKING MATERIALS	(4) INSIDE DIAMETER OF CYLINDER	(6) CUSHION TYPE	(7) CYLINDER STROKE	(8) PORT POSITION	(9) CUSHION VALVE POSITION	(10) DUST BOOT COVER			
FGF FORWARD DIRECTION HEAD-SIDE, FLANGE TYPE	IS 70/140 H-2	FGF 4 C/B-	6	7	ST	8	-	9	10	
	(2) PACKING MATERIALS	(4) INSIDE DIAMETER OF CYLINDER	(6) CUSHION TYPE	(7) CYLINDER STROKE	(8) PORT POSITION	(9) CUSHION VALVE POSITION	(10) DUST BOOT COVER			
FHF FORWARD DIRECTION HEAD-SIDE, FLANGE TYPE	IS 70/140 H-2	FHF 4 C/B-	6	7	ST	8	-	9	10	
	(2) PACKING MATERIALS	(4) INSIDE DIAMETER OF CYLINDER	(6) CUSHION TYPE	(7) CYLINDER STROKE	(8) PORT POSITION	(9) CUSHION VALVE POSITION	(10) DUST BOOT COVER			
TCF FORWARD DIRECTION HEAD-SIDE, FLANGE TYPE	IS 70/140 H-2	TCF 4 C/B-	6	7	ST	8	-	9	10	
	(2) PACKING MATERIALS	(4) INSIDE DIAMETER OF CYLINDER	(6) CUSHION TYPE	(7) CYLINDER STROKE	(8) PORT POSITION	(9) CUSHION VALVE POSITION	(10) DUST BOOT COVER			

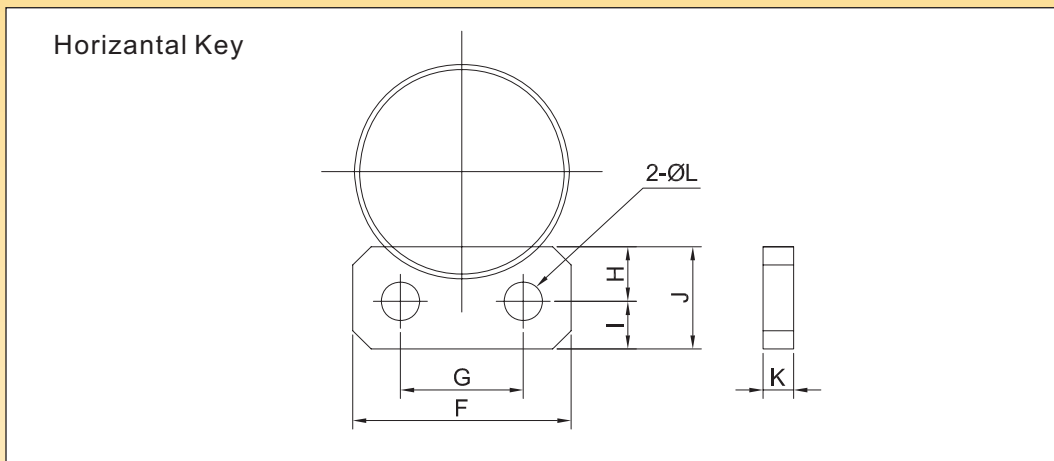
Notation	FG	HZ	WJ	ZJ	PH
I-D					
Φ180	51	381	37	330	302
Φ200	58	412	36	356	329
Φ250	66	477	45	411	382.5

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IS140H TIE ROD TYPE HYDRAULIC CYLINDER



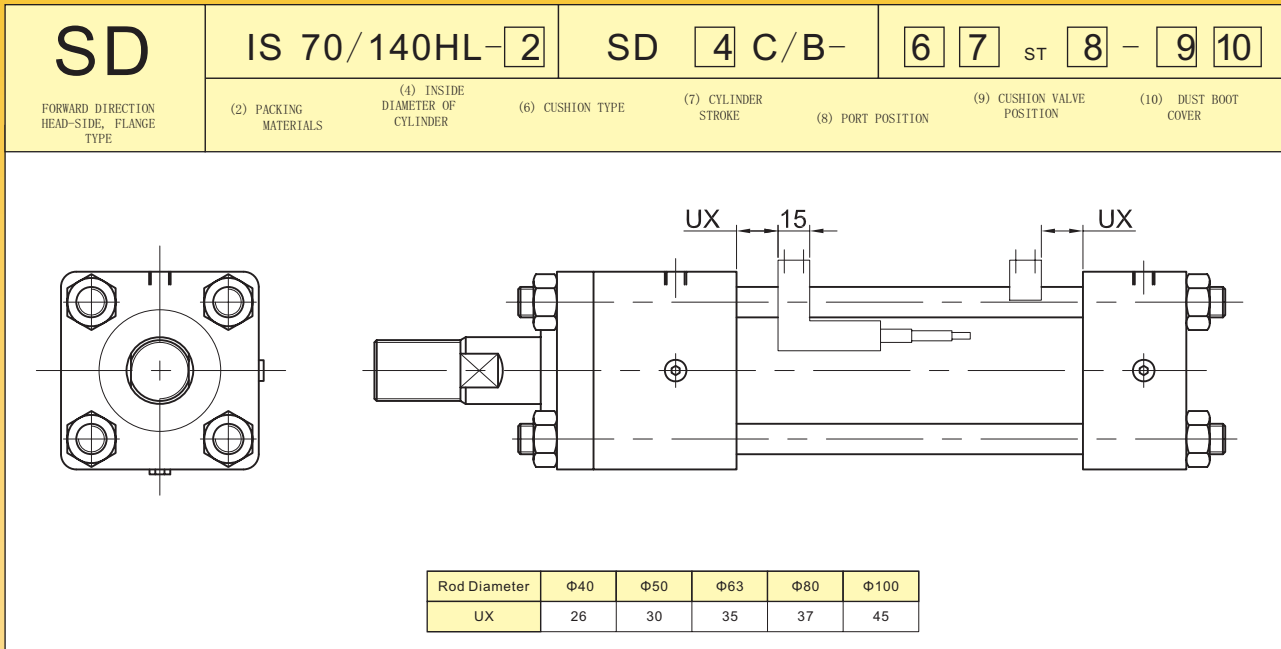
Notation I-D	BL	C	ØCK	D	E
Φ40	62	4	16f8	3	3
Φ50	76.5	5	20f8	3	3
Φ63	93	5	31.5f8	3	4.75
Φ80	93	5	31.5f8	3	4.75
Φ100	117	7	40f8	5	5
Φ125	143	7	50f8	5	5
Φ140	183	10	63f8	8	8
Φ150	183	10	63f8	8	8
Φ160	183	10	71f8	8	8



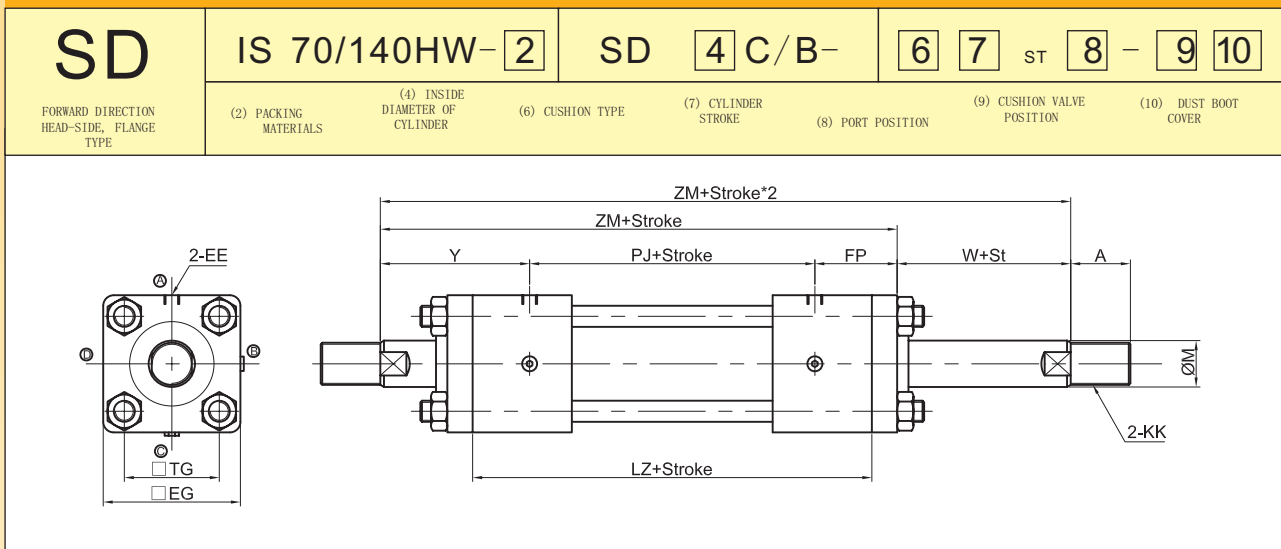
Notation I-D	F	G	H	I	J	K
Φ40	25	14	7	6	13	3
Φ50	32	18	8	7	15	4.5
Φ63	32	18	8	7	15	4.5
Φ80	32	18	8	7	15	4.5
Φ100	50	30	10	8	18	6
Φ125	65	40	12	10	22	6
Φ140	75	48	17	13	30	9
Φ150	75	48	17	13	30	9
Φ160	75	48	17	13	30	9

TAN AIR

IS140H TIE ROD TYPE HYDRAULIC CYLINDER



OUTSIDE DIMENSIONS DRAWING



notation I-D	Rod Diameter(B Type)			Rod Diameter(C Type)			□EG	EE	FP	LZ	PJ	□TG	W	Y	ZK	ZM
	A	KK	ΦM	A	KK	ΦM										
Φ40	30	M20*1.5	Φ22	25	M16*1.5	Φ18	65	PT3/8"	39	166	88	45	30	69	196	226
Φ50	35	M24*1.5	Φ28	30	M20*1.5	Φ22	76	PT1/4"	42	182	98	52	30	72	212	242
Φ63	45	M30*1.5	Φ35	35	M24*1.5	Φ28	90	PT1/2"	47	194	100	63	35	82	229	264
Φ80	60	M39*1.5	Φ45	45	M30*1.5	Φ35	110	PT3/4"	54	222	114	80	35	89	257	292
Φ100	75	M48*1.5	Φ55	60	M39*1.5	Φ45	135	PT3/4"	60	232	112	102	40	100	272	312
Φ125	95	M64*2	Φ70	75	M48*1.5	Φ55	165	PT 1"	66	264	132	122	45	111	309	354
Φ140	110	M72*2	Φ80	80	M56*2	Φ60	185	PT 1"	68	276	140	138	50	118	326	376
Φ150	115	M76*2	Φ85	85	M60*2	Φ65	196	PT 1"	70	288	148	148	50	120	338	388
Φ160	120	M80*2	Φ90	95	M64*2	Φ70	210	PT 1"	73	304	158	160	55	128	359	414