

TAN AIR

IS140H TIE ROD TYPE HYDRAULIC CYLINDER BASIC TYPE

SD	IS 70/140 H- 2	CD 4 C/B-	6 7 ST 8 - 9 10
STANDARD	(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

OVER 100 φ DRILL HOLE

Rod Diameter	ΦMF	ΦDF
φ100	φ99.5	φ12
φ110	φ109.5	φ15
φ140	φ139.5	φ15

180 φ - 250 φ

Series	Fixing method	Tie rod Type	Tube Flange
IS70H		-1, 500	1, 501-2, 000
IS140H		-800	501-2, 000

Notation I-D	Rod diameter (B type)					Rod diameter (C type)					DD	□EG	EE	F	FP	E	H	HL	L	PJ	LP	□TG	W
	A	φB	KK	φM	S	A	φB	KK	φM	S													
φ40	30	φ40	M20X1.5	φ22	20	25	φ36	M16X1.5	φ18	16	M10x1.5	65	PT 3/4	12	39	47	18	141	21	88	14	45	30
φ50	35	φ46	M24X1.5	φ28	24	30	φ40	M20X1.5	φ22	20	M10x1.5	76	PT 1/2	13	47	50	56	155	26	95	15	53	30
φ63	45	φ55	M30X1.5	φ35	30	35	φ46	M24X1.5	φ28	24	M12x1.5	90	PT 1/2	14	51	54	58	163	43	92	16	63	35
φ80	60	φ65	M39X1.5	φ45	41	45	φ55	M30X1.5	φ35	30	M16x1.5	110	PT 3/4	18	54	61	64	184	49	111	20	80	35
φ100	75	φ80	M48X1.5	φ55	50	60	φ65	M39X1.5	φ45	41	M18x1.5	135	PT 3/4	20	60	65	62	192	59	112	23	102	40
φ125	95	φ95	M64X2	φ70	65	75	φ80	M48X1.5	φ55	50	M22x1.5	165	PT1	24	66	74	68	220	62	131	23	122	45
φ140	110	φ105	M72X2	φ80	75	80	φ85	M56X2	φ60	55	M24x1.5	185	PT1	26	68	74	76	230	79	139	23	138	50
φ150	115	φ110	M76X2	φ85	80	85	φ90	M60X2	φ65	60	M27x1.5	196	PT1	28	70	74	84	240	85	147	23	148	50
φ160	120	φ115	M80X2	φ90	85	95	φ95	M64X2	φ70	65	M27x1.5	210	PT1	31	73	79	84	253	89	158	26	160	55
φ180	140	φ125	M95X2	φ100	-	110	φ105	M72X2	φ80	75	M30x1.5	235	PT1 1/4	33	70	84	91	275	100	174	29	182	55
φ200	150	φ140	M100X2	φ110	-	120	φ115	M80X2	φ90	85	M33x2	262	PT1 1/2	37	79	94	91	301	115	188	34	200	55
φ250	195	φ170	M130X2	φ140	-	150	φ140	M100X2	φ110	-	M42x2	325	PT2	46	106	114	102	346	125	204	36	250	65

* NOTE PT DIMENSION EE IS BSPT (BRITISH STANDARD PIPE TAPER)

website: www.easternpneumatics.com

TAN AIR

IS140H TIE ROD TYPE HYDRAULIC CYLINDER FOOT MOUNTS

LB	IS 70/140 H- 2	CD 4 C/B-	6 7 ST 8 - 9 10				
SHAFT DIRECTION FOOT TYPE (ASSEMBLY TYPE)	(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

OVER 100 OF ROD DIAMETER DRILL HOLE

Rod Diameter	Φ MF	Φ DF
φ 100	φ 99.5	φ 12
φ 110	φ 109.5	φ 15
φ 140	φ 139.5	φ 15

180 φ - 250 φ

Series	Fixing	Tie rod Type	Tube Flange
IS70H		φ 99.5	φ 12
IS140H		φ 111.5	φ 15

Notation I-D	Rod diameter (B type)					Rod diameter (C type)					AB	NH	AO	AT	AU	EG	EE	FP	HL	SA	AW	TR	UN	W
	A	ΦB	KK	ΦM	S	A	ΦB	KK	ΦM	S														
φ40	30	φ40	M20X1.5	φ22	20	25	φ36	M16X1.5	φ18	16	φ11	43 0.25	13	8	32	65	PT 3/4	39	141	205	230	46	69	30
φ50	35	φ46	M24X1.5	φ28	24	30	φ40	M20X1.5	φ22	20	φ14	50 0.25	15	8	35	76	PT 1/2	47	155	225	252	58	85	30
φ63	45	φ55	M30X1.5	φ35	30	35	φ46	M24X1.5	φ28	24	φ18	60 0.25	18	10	42	90	PT 1/2	51	163	247	278	65	98	35
φ80	60	φ65	M39X1.5	φ45	41	45	φ55	M30X1.5	φ35	30	φ18	72 0.25	20	12	50	110	PT 3/4	54	184	284	322	87	118	35
φ100	75	φ80	M48X1.5	φ55	50	60	φ65	M39X1.5	φ45	41	φ22	85 0.25	23	12	55	135	PT 3/4	60	192	302	342	109	150	40
φ125	95	φ95	M64X2	φ70	65	75	φ80	M48X1.5	φ55	50	φ26	105 0.25	29	15	66	165	PT1	66	220	352	396	130	175	45
φ140	110	φ105	M72X2	φ80	75	80	φ85	M56X2	φ60	55	φ26	115 0.25	30	18	70	185	PT1	68	230	370	416	145	195	50
φ150	115	φ110	M76X2	φ85	80	85	φ90	M60X2	φ65	60	φ30	123 0.25	30	18	75	196	PT1	70	240	390	438	155	210	50
φ160	120	φ115	M80X2	φ90	85	95	φ95	M64X2	φ70	65	φ33	132 0.25	35	18	75	210	PT1	73	253	403	454	170	225	55
φ180	140	φ125	M95X2	φ100	-	110	φ105	M72X2	φ80	75	φ33	148 0.25	40	20	85	235	PT1 1/4	70	275	445	-	185	243	55
φ200	150	φ140	M100X2	φ110	-	120	φ115	M80X2	φ90	85	φ36	165 0.25	40	25	98	262	PT1 1/2	79	301	497	-	206	272	55
φ250	195	φ170	M130X2	φ140	-	150	φ140	M100X2	φ110	-	φ45	208 0.25	50	35	130	325	PT2	106	346	606	-	250	335	65

TAN AIR

IS140H TIE ROD TYPE HYDRAULIC CYLINDER

FRONT RECTANGLE FLANGE

FA	IS 70/140 H- 2	FA 4 C/B-	6 7 ST 8 - 9 10
ROD-SIDE, SHAFT DIRECTION, FLANGE TYPE	(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

OVER 100 OF ROD DIAMETER DRILL HOLE

Rod Diameter	ΦMF	ΦDF
φ100	φ99.5	φ12
φ110	φ109.5	φ15
φ140	φ139.5	φ15

Series	Fixing method		Tie rod Type	Tube Flange
	Series	Series		
IS70H			-1,500	

Notation I-D	Rod diameter (B type)					Rod diameter (C type)																				
	A	ΦB	KK	ΦM	S	A	ΦB	KK	ΦM	S	EE	F	FB	FE	HL	LL	LZ	R	TF	UF	W	WF	YP	ZR		
φ40	30	φ40	M20X1.5	φ22	20	25	φ36	M16X1.5	φ18	16	PT 3/4	12	φ11	69	141	129	166	48	95	118	30	41	27	196		
φ50	35	φ46	M24X1.5	φ28	24	30	φ40	M20X1.5	φ22	20	PT 1/2	13	φ14	85	155	142	182	58	115	145	30	43	30	212		
φ63	45	φ55	M30X1.5	φ35	30	35	φ46	M24X1.5	φ28	24	PT 1/2	14	φ18	98	163	149	194	65	132	165	35	50	37	229		
φ80	60	φ65	M39X1.5	φ45	41	45	φ55	M30X1.5	φ35	30	PT 3/4	18	φ18	118	184	166	222	87	155	190	35	53	36	257		
φ100	75	φ80	M48X1.5	φ55	50	60	φ65	M39X1.5	φ45	41	PT 3/4	20	φ22	150	192	172	232	109	190	230	40	60	40	272		
φ125	95	φ95	M64X2	φ70	65	75	φ80	M48X1.5	φ55	50	PT1	24	φ26	175	220	196	264	130	224	272	45	69	42	309		
φ140	110	φ105	M72X2	φ80	75	80	φ85	M56X2	φ60	55	PT1	26	φ26	195	230	204	276	145	250	300	50	76	42	326		
φ150	115	φ110	M76X2	φ85	80	85	φ90	M60X2	φ65	60	PT1	28	φ30	210	240	202	288	155	270	320	50	78	42	338		
φ160	120	φ115	M80X2	φ90	85	95	φ95	M64X2	φ70	65	PT1	31	φ33	225	253	222	300	170	285	345	55	86	42	359		
φ180	140	φ125	M95X2	φ100	-	110	φ105	M72X2	φ80	75	PT1 1/4	33	φ33	243	275	242	-	185	315	375	55	88	37	-		
φ200	150	φ140	M100X2	φ110	-	120	φ115	M80X2	φ90	85	PT1 1/2	37	φ36	272	301	264	-	206	355	425	55	92	42	-		
φ250	195	φ170	M130X2	φ140	-	150	φ140	M100X2	φ110	-	PT2	46	φ45	335	346	300	-	250	245	515	65	111	60	-		

TAN AIR

IS140H TIE ROD TYPE HYDRAULIC CYLINDER REAR RECTANGLE FLANGE

FB	IS 70/140 H- 2	FB 4 C/B-	6 7 ST 8 - 9 10
ROD-SIDE, SHAFT DIRECTION, FLANGE TYPE	(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

OVER 100 φ OF ROD DIAMETER DRILL HOLE

Rod Diameter	∅MF	∅DF
φ 100	φ 99.5	φ 12
φ 110	φ 109.5	φ 15
φ 140	φ 139.5	φ 15

Series	Fixing method	
	Tie rod Type	Tube Flange
IS70H	-1, 500	1, 501-2, 000

Notation I-D	Rod diameter (B type)					Rod diameter (C type)					EE	F	FB	FE	FP	HL	LZ	R	TF	UF	W	YR	ZF
	A	∅B	KK	∅M	S	A	∅B	KK	∅M	S													
φ 40	30	φ 40	M20X1.5	φ 22	20	25	φ 36	M16X1.5	φ 18	16	PT 3/4	12	φ 11	69	39	141	166	48	95	118	30	196	182
φ 50	35	φ 46	M24X1.5	φ 28	24	30	φ 40	M20X1.5	φ 22	20	PT 1/2	13	φ 14	85	42	155	182	58	115	145	30	212	198
φ 63	45	φ 55	M30X1.5	φ 35	30	35	φ 46	M24X1.5	φ 28	24	PT 1/2	14	φ 18	98	51	163	194	65	132	165	35	229	213
φ 80	60	φ 65	M39X1.5	φ 45	41	45	φ 55	M30X1.5	φ 35	30	PT 3/4	18	φ 18	118	54	184	222	87	155	190	35	257	237
φ 100	75	φ 80	M48X1.5	φ 55	50	60	φ 65	M39X1.5	φ 45	41	PT 3/4	20	φ 22	150	60	192	232	109	190	230	40	272	252
φ 125	95	φ 95	M64X2	φ 70	65	75	φ 80	M48X1.5	φ 55	50	PT1	24	φ 26	175	66	220	264	130	224	272	45	309	289
φ 140	110	φ 105	M72X2	φ 80	75	80	φ 85	M56X2	φ 60	55	PT1	26	φ 26	195	68	230	276	145	250	300	50	326	306
φ 150	115	φ 110	M76X2	φ 85	80	85	φ 90	M60X2	φ 65	60	PT1	28	φ 30	210	70	240	288	155	270	320	50	338	318
φ 160	120	φ 115	M80X2	φ 90	85	95	φ 95	M64X2	φ 70	65	PT1	31	φ 33	225	73	253	300	170	285	345	55	355	339
φ 180	140	φ 125	M95X2	φ 100	-	110	φ 105	M72X2	φ 80	75	PT1 1/4	33	φ 33	243	70	275	-	185	315	375	55	-	363
φ 200	150	φ 140	M100X2	φ 110	-	120	φ 115	M80X2	φ 90	85	PT1 1/2	37	φ 36	272	79	301	-	206	355	425	55	-	393
φ 250	195	φ 170	M130X2	φ 140	-	150	φ 140	M100X2	φ 110	-	PT2	46	φ 45	335	106	346	-	250	245	515	65	-	457