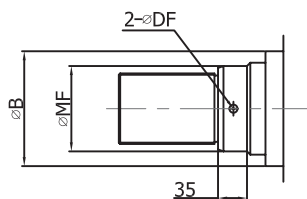


# TAN AIR

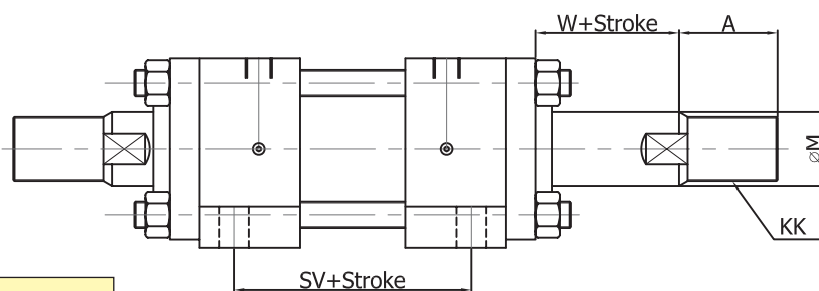
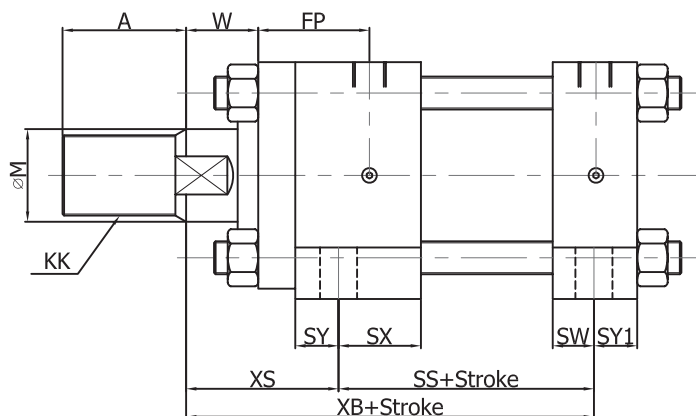
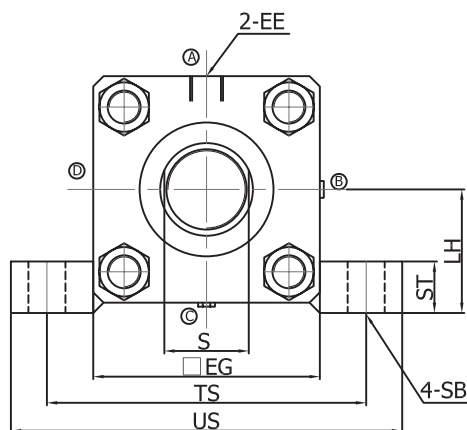
## IS140H TIE ROD TYPE HYDRAULIC CYLINDER

LA SHAFT DIRECTION FOOT TYPE ( ONE BODY TYPE )	IS 70/140 H- 2	LA 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



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



180 φ -250 φ

Series	Fixing method	
	Tie rod Type	Tube Flange
IS70H	-1.500	1.501-2.000
IS140H	-	801-2.000

Notation I-D	Rod diameter (B type)					Rod diameter (C type)					∅EG	EE	FP	LH	SB	SS	ST	SV	SW	SX	SY	SY1	TS	US	W	XB	
	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	65	PT 3/4	39	37.5	0.15	φ 11	98	14	112	18	32	16	16	95	118	30	155
φ 50	35	φ 46	M24X1.5	φ 28	24	30	φ 40	M20X1.5	φ 22	20	76	PT 1/2	42	45	0.15	φ 14	108	17	122	14	33	22	22	115	145	30	163
φ 63	45	φ 55	M30X1.5	φ 35	30	35	φ 46	M24X1.5	φ 28	24	90	PT 1/2	51	50	0.15	φ 18	106	19	122	16	32	21	21	132	165	35	177
φ 80	60	φ 65	M39X1.5	φ 45	41	45	φ 55	M30X1.5	φ 35	30	110	PT 3/4	54	60	0.15	φ 18	124	25	144	20	40	21	21	155	190	35	198
φ 100	75	φ 80	M48X1.5	φ 55	50	60	φ 65	M39X1.5	φ 45	41	135	PT 3/4	60	71	0.15	φ 22	122	27	142	20	40	25	25	190	230	40	189
φ 125	95	φ 95	M64X2	φ 70	65	75	φ 80	M48X1.5	φ 55	50	165	PT1	66	85	0.15	φ 26	136	32	156	24	44	30	30	224	272	45	235
φ 140	110	φ 105	M72X2	φ 80	75	80	φ 85	M56X2	φ 60	55	185	PT1	68	95	0.15	φ 26	144	35	164	24	44	30	30	250	300	50	250
φ 150	115	φ 110	M76X2	φ 85	80	85	φ 90	M60X2	φ 65	60	196	PT1	70	106	0.15	φ 30	146	37	166	21	41	33	33	270	320	50	257
φ 160	120	φ 115	M80X2	φ 90	85	95	φ 95	M64X2	φ 70	65	210	PT1	73	112	0.15	φ 33	150	42	170	23	43	36	36	285	345	55	272
φ 180	140	φ 125	M95X2	φ 100	-	110	φ 105	M72X2	φ 80	75	235	PT1 1/4	70	125	0.15	φ 33	172	47	189	32	49	37	37	315	375	55	295
φ 200	150	φ 140	M100X2	φ 110	-	120	φ 115	M80X2	φ 90	85	262	PT1 1/2	79	140	0.15	φ 36	186	52	201	40	55	39	39	355	425	55	317
φ 250	195	φ 170	M130X2	φ 140	-	150	φ 140	M100X2	φ 110	-	325	PT2	106	170	0.15	φ 45	206	57	236	37	67	47	47	425	515	65	354

# TAN AIR

## IS140H TIE ROD TYPE HYDRAULIC CYLINDER

<b>FC</b>	IS 70/140 H- <b>2</b>	FC <b>4</b> C/B-	<b>6</b> <b>7</b> ST <b>8</b> - <b>9</b> <b>10</b>
FORWARD DIRECTION ROD-SIDE, 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

180 φ - 250 φ

Series	Fixing method	Tie rod Type	Tube Flange
IS70H		-1.500	1.501-2.000
IS140H		-800	801-2.000

Notation I-D	Rod diameter (B type)					Rod diameter (C type)					EE	F	FB	HL	LL	LZ	R	TF	□UF	W	WF	YP
	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	141	129	166	46	95	118	30	44	27
φ 50	35	φ 46	M24X1.5	φ 28	24	30	φ 40	M20X1.5	φ 22	20	PT 1/2	13	φ 14	155	142	182	58	115	145	30	43	30
φ 63	45	φ 55	M30X1.5	φ 35	30	35	φ 46	M24X1.5	φ 28	24	PT 1/2	14	φ 18	163	149	184	65	132	165	35	50	37
φ 80	60	φ 65	M39X1.5	φ 45	41	45	φ 55	M30X1.5	φ 35	30	PT 3/4	18	φ 18	184	166	222	87	155	190	35	53	36
φ 100	75	φ 80	M48X1.5	φ 55	50	60	φ 65	M39X1.5	φ 45	41	PT 3/4	20	φ 22	192	172	232	109	190	230	40	60	40
φ 125	95	φ 95	M64X2	φ 70	65	75	φ 80	M48X1.5	φ 55	50	PT1	24	φ 26	220	196	264	130	224	272	45	69	42
φ 140	110	φ 105	M72X2	φ 80	75	80	φ 85	M56X2	φ 60	55	PT1	26	φ 26	230	204	276	145	250	300	50	76	42
φ 150	115	φ 110	M76X2	φ 85	80	85	φ 90	M60X2	φ 65	60	PT1	28	φ 30	240	212	288	155	270	320	50	76	42
φ 160	120	φ 115	M80X2	φ 90	85	95	φ 95	M64X2	φ 70	65	PT1	31	φ 33	253	222	304	170	285	345	55	86	42
φ 180	140	φ 125	M95X2	φ 100	-	110	φ 105	M72X2	φ 80	75	PT1 1/4	33	φ 33	275	242	-	185	315	375	55	88	37
φ 200	150	φ 140	M100X2	φ 110	-	120	φ 115	M80X2	φ 90	85	PT1 1/2	37	φ 36	301	264	-	206	355	425	55	92	42
φ 250	195	φ 170	M130X2	φ 140	-	150	φ 140	M100X2	φ 110	-	PT2	46	φ 45	346	300	-	250	425	515	65	111	60

# TAN AIR

## IS140H TIE ROD TYPE HYDRAULIC CYLINDER

<b>FD</b>	IS 70/140 H- <b>2</b>	FD <b>4</b> C/B-	<b>6</b> <b>7</b> ST <b>8</b> - <b>9</b> <b>10</b>
FORWARD DIRECTION HEAD-SIDE, 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 100φ 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

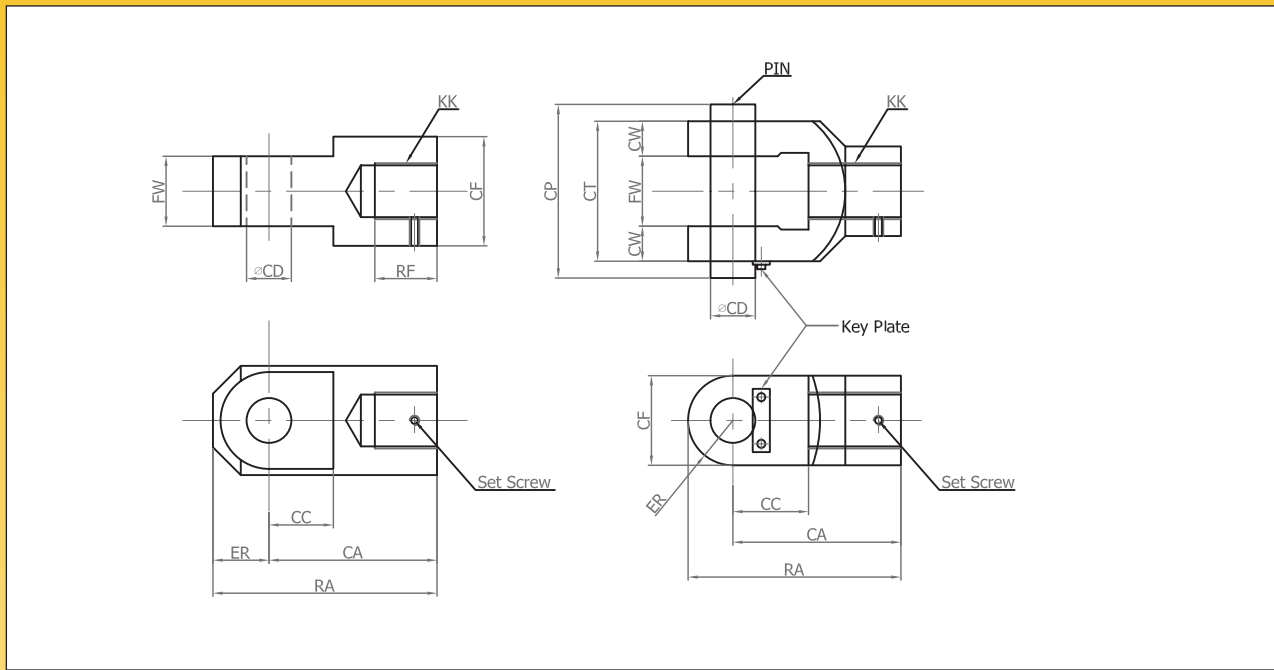
180φ - 250φ

Series	Fixing method	Tie rod Type	Tube Flange
IS70H		-1, 500	1, 501-2, 000
IS140H		-800	801-2, 000

Notation I-D	Rod diameter (B type)					Rod diameter (C type)					EE	F	FB	FP	HL	LZ	R	TF	□UF	W	ZH
	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	39	141	166	46	95	118	30	183
φ 50	35	φ 46	M24X1.5	φ 28	24	30	φ 40	M20X1.5	φ 22	20	PT 1/2	13	φ 14	42	155	182	58	115	145	30	197
φ 63	45	φ 55	M30X1.5	φ 35	30	35	φ 46	M24X1.5	φ 28	24	PT 1/2	14	φ 18	51	163	184	65	132	165	35	212
φ 80	60	φ 65	M39X1.5	φ 45	41	45	φ 55	M30X1.5	φ 35	30	PT 3/4	18	φ 18	54	184	222	87	155	190	35	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	60	192	232	109	190	230	40	252
φ 125	95	φ 95	M64X2	φ 70	65	75	φ 80	M48X1.5	φ 55	50	PT1	24	φ 26	66	220	264	130	224	272	45	389
φ 140	110	φ 105	M72X2	φ 80	75	80	φ 85	M56X2	φ 60	55	PT1	26	φ 26	68	230	276	145	250	300	50	306
φ 150	115	φ 110	M76X2	φ 85	80	85	φ 90	M60X2	φ 65	60	PT1	28	φ 30	70	240	288	155	270	320	50	318
φ 160	120	φ 115	M80X2	φ 90	85	95	φ 95	M64X2	φ 70	65	PT1	31	φ 33	73	253	304	170	285	345	55	343
φ 180	140	φ 125	M95X2	φ 100	-	110	φ 105	M72X2	φ 80	75	PT1 1/4	33	φ 33	70	275	-	185	315	375	55	361
φ 200	150	φ 140	M100X2	φ 110	-	120	φ 115	M80X2	φ 90	85	PT1 1/2	37	φ 36	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	106	346	-	250	425	515	65	457

# TAN AIR

## IS140H TIE ROD TYPE HYDRAULIC CYLINDER FRONT CLEVIS OPTIONS



Notation I-D	CA	CC		CD		CF		CP	CT	CW	ER		FW		KK		RA			RF	
		Srge thréec	Srge thréec	Srge thréec	Douole thréec	Srge thréec	Srge thréec				Srge thréec	Srge thréec	Srge thréec	Douole thréec	B	C	Srge thréec	Srge thréec	Srge thréec	Srge thréec	
φ 40	60	28	27	φ 16 H10	φ 16 $\frac{H9}{10}$	39	32	62	50	12.5	20	R16	25 $\begin{smallmatrix} -0.1 \\ -0.4 \end{smallmatrix}$	25 $\begin{smallmatrix} +0.4 \\ +0.1 \end{smallmatrix}$	M20X1.5	M16X1.5	80	76	32	27	
φ 50	70	28	32	φ 20 H10	φ 20 $\frac{H9}{10}$	49	40	76.5	63.5	16	25	R20	31.5 $\begin{smallmatrix} -0.1 \\ -0.4 \end{smallmatrix}$	31.5 $\begin{smallmatrix} +0.4 \\ +0.1 \end{smallmatrix}$	M24X1.5	M20X1.5	95	90	37	32	
φ 63	115	43	50	φ 31.5 H10	φ 31.5 $\frac{H9}{10}$	62	60	93	80	20	35	R30	40 $\begin{smallmatrix} -0.1 \\ -0.4 \end{smallmatrix}$	40 $\begin{smallmatrix} +0.4 \\ +0.1 \end{smallmatrix}$	M30X1.5	M21X1.5	150	145	47	37	
φ 80	115	43	50	φ 31.5 H10	φ 31.5 $\frac{H9}{10}$	62	60	93	80	20	35	R30	40 $\begin{smallmatrix} -0.1 \\ -0.4 \end{smallmatrix}$	40 $\begin{smallmatrix} +0.4 \\ +0.1 \end{smallmatrix}$	M39X1.5	M30X1.5	150	145	62	47	
φ 100	145	55	60	φ 40 H10	φ 40 $\frac{H9}{10}$	79	80	117	100	25	40	40	50 $\begin{smallmatrix} -0.1 \\ -0.4 \end{smallmatrix}$	50 $\begin{smallmatrix} +0.4 \\ +0.1 \end{smallmatrix}$	M48X1.5	M39X1.5	185	185	77	62	
φ 125	180	65	70	φ 50 H10	φ 50 $\frac{H9}{10}$	100	100	143	126	31.5	50	50	53 $\begin{smallmatrix} -0.1 \\ -0.4 \end{smallmatrix}$	53 $\begin{smallmatrix} +0.4 \\ +0.1 \end{smallmatrix}$	M64X2	M48X1.5	230	230	97	77	
φ 140	225	85	90	φ 63 H10	φ 63 $\frac{H9}{10}$	130	120	183	160	40	65	65	80 $\begin{smallmatrix} -0.1 \\ -0.8 \end{smallmatrix}$	80 $\begin{smallmatrix} +0.8 \\ +0.1 \end{smallmatrix}$	M72X2	M56X2	290	290	112	82	
φ 150	225	85	90	φ 63 H10	φ 63 $\frac{H9}{10}$	130	120	183	160	40	65	65	80 $\begin{smallmatrix} -0.1 \\ -0.8 \end{smallmatrix}$	80 $\begin{smallmatrix} +0.8 \\ +0.1 \end{smallmatrix}$	M76X2	M60X2	290	290	117	87	
φ 160	240	90	100	φ 71 H10	φ 71 $\frac{H9}{10}$	140	140	183	160	40	70	70	80 $\begin{smallmatrix} -0.1 \\ -0.8 \end{smallmatrix}$	80 $\begin{smallmatrix} +0.5 \\ +0.1 \end{smallmatrix}$	M80X2	M64X2	310	310	122	97	

### LOCK NUT

Notation I-D	B rod type locknut				C rod type locknut			
	M	B	C	H	M	B	C	H
φ 40	M20X1.5	27	31.2	12	M16X1.5	22	25.4	10
φ 50	M24X1.5	32	37.0	14	M20X1.5	27	31.2	12
φ 63	M30X1.5	41	47.3	17	M24X1.5	32	37.0	14
φ 80	M39X1.5	55	63.5	20	M30X1.5	41	47.3	17
φ 100	M48X1.5	70	80.8	26	M39X1.5	55	63.5	20
φ 125	M64X2	90	104	35	M48X1.5	70	80.8	26
φ 140	M72X2	100	115	38	M56X2	80	92.4	35
φ 150	M76X2	105	121	40	M60X2	85	98.1	33
φ 160	M80X2	110	127	43	M64X2	90	104	35

