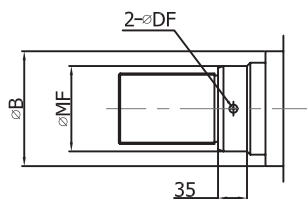


TAN AIR

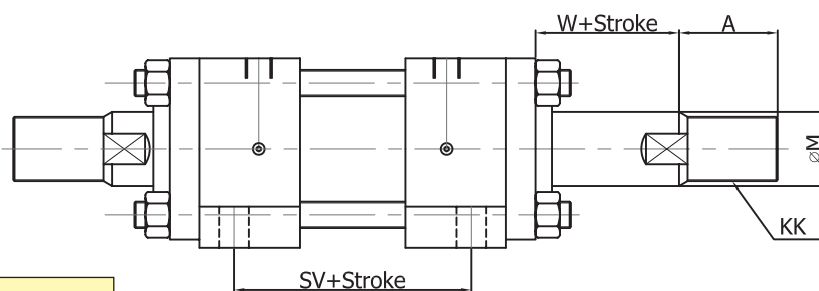
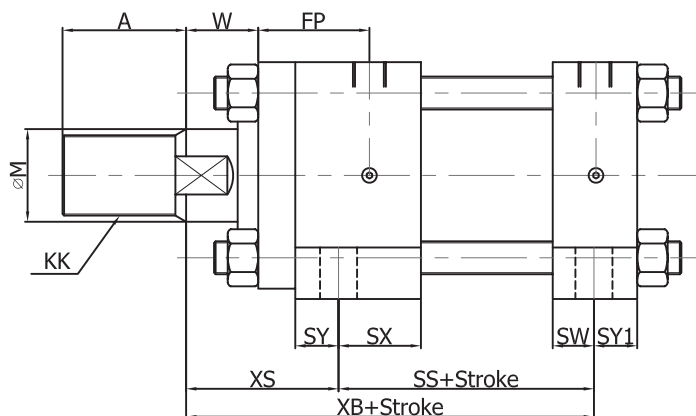
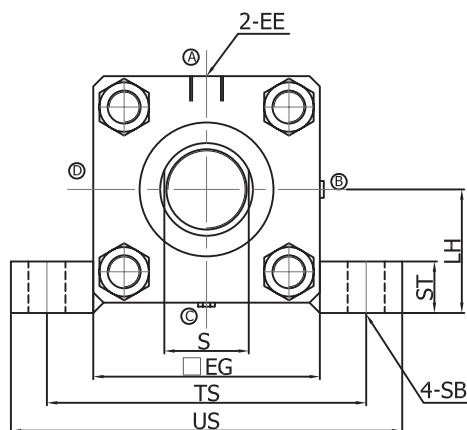
IS140H TIE ROD TYPE HYDRAULIC CYLINDER

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

FC	IS 70/140 H- 2	FC 4 C/B-	6 7 ST 8 - 9 10
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

FD	IS 70/140 H- 2	FD 4 C/B-	6 7 ST 8 - 9 10
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

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

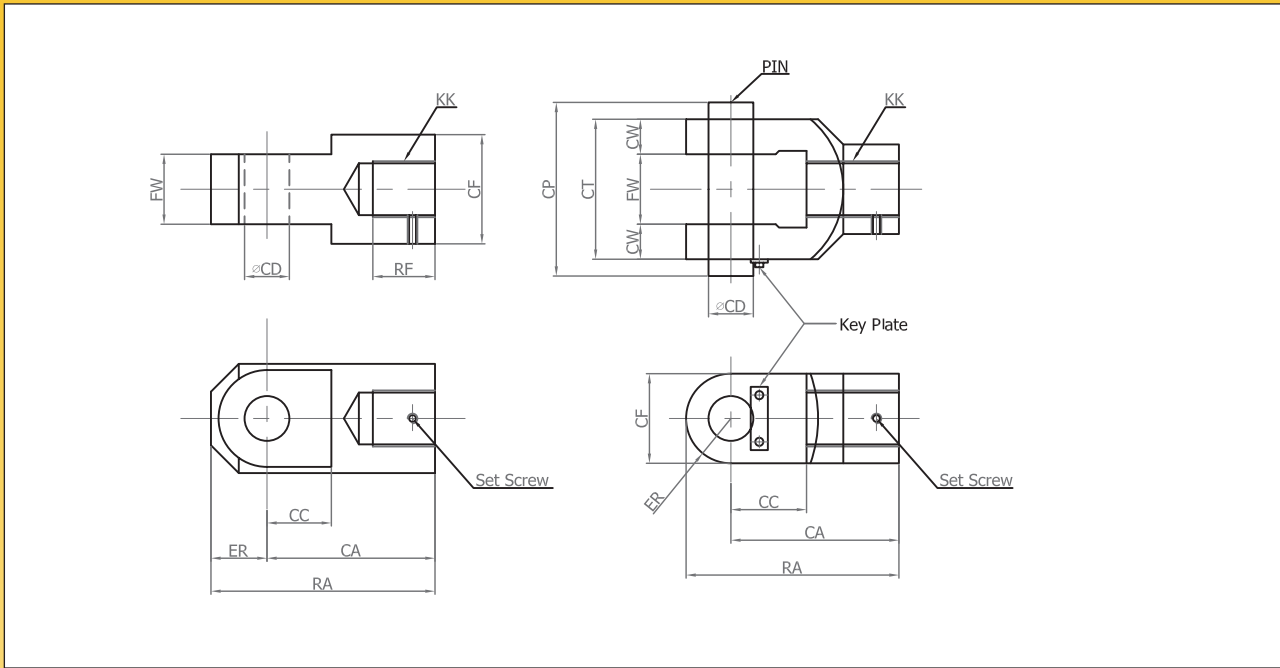
180φ-250φ

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

TANAIR

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

