

TAN AIR

IS140H TIE ROD TYPE HYDRAULIC CYLINDER SINGLE REAR CLEVIS

CA	IS 70/140 H- 2	CA 4 C/B-	6 7 ST 8 - 9 10
SINGLE THREAD CLEVIS 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

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 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)					Φ CD	□ EG	EE	EW	FI	FP	HL	L	MR	PJ	W	XD
	A	Φ B	KK	Φ M	S	A	Φ B	KK	Φ M	S												
φ 40	φ 30	φ 40	M20X1.5	φ 22	20	25	36	M16X1.5	φ 18	16	16 H9	65	PT 3/4	25 ^{-0.1} _{-0.4}	38	39	141	21	R16	88	30	209
φ 50	φ 35	φ 46	M24X1.5	φ 28	24	30	40	M20X1.5	φ 22	20	20 H9	76	PT 1/2	31.5 ^{-0.1} _{-0.4}	45	42	155	26	R20	95	30	230
φ 63	φ 45	φ 55	M30X1.5	φ 35	30	35	46	M24X1.5	φ 28	24	31.5 H9	90	PT 1/2	40 ^{-0.1} _{-0.4}	63	51	163	43	R31.5	92	35	261
φ 80	φ 60	φ 65	M39X1.5	φ 45	41	45	55	M30X1.5	φ 35	30	31.5 H9	110	PT 3/4	40 ^{-0.1} _{-0.4}	72	54	184	49	R31.5	111	35	291
φ 100	φ 15	φ 80	M48X1.5	φ 55	50	60	65	M39X1.5	φ 45	41	40 H9	135	PT 3/4	50 ^{-0.1} _{-0.4}	84	60	192	59	R40	112	40	316
φ 125	φ 95	φ 95	M64X2	φ 70	65	75	80	M48X1.5	φ 55	50	50 H9	165	PT1	63 ^{-0.1} _{-0.8}	100	66	220	62	R50	131	45	365
φ 140	φ 110	φ 105	M72X2	φ 80	75	80	85	M56X2	φ 60	55	63 H9	185	PT1	80 ^{-0.1} _{-0.8}	120	68	230	79	R63	139	50	400
φ 150	φ 115	φ 110	M76X2	φ 85	80	85	90	M60X2	φ 65	60	63 H9	196	PT1	80 ^{-0.1} _{-0.6}	122	70	240	85	R63	147	50	412
φ 160	φ 120	φ 115	M80X2	φ 90	85	95	95	M64X2	φ 70	65	71 H9	210	PT1	80 ^{-0.1} _{-0.8}	137	73	253	89	R71	158	55	445
φ 180	φ 140	φ 125	M95X2	φ 100	-	110	105	M72X2	φ 80	75	80 H9	235	PT1 1/2	100 ^{-0.1} _{-0.8}	150	70	275	100	R80	174	55	480
φ 200	φ 150	φ 140	M100X2	φ 110	-	120	115	M80X2	φ 90	85	90 H9	262	PT1 1/2	125 ^{-0.1} _{-0.8}	170	79	301	115	R90	188	55	526
φ 250	φ 195	φ 170	M130X2	φ 140	-	150	140	M100X2	φ 110	-	100 H9	325	PT2	125 ^{-0.1} _{-0.8}	185	106	346	125	R100	204	65	596

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IS140H TIE ROD TYPE HYDRAULIC CYLINDER DOUBLE REAR CLEVIS

CB	IS 70/140 H- 2	CB 4 C/B-	6 7 ST 8 - 9 10				
DOUBLE THREAD CLEVIS 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	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 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)					φ CB	CD	□ EG	EE	FL	FP	HL	L	MR	PJ	UB	W	XD	ZC
	A	φ B	KK	φ M	S	A	φ B	KK	φ M	S														
φ 40	φ 30	φ 40	M20X1.5	φ 22	20	25	36	M16X1.5	φ 18	16	25 ^{+0.4} _{-0.1}	φ 16 ^{H8} _{-0.1}	65	PT3/4	38	39	141	21	R16	88	50	30	209	225
φ 50	φ 35	φ 46	M24X1.5	φ 28	24	30	40	M20X1.5	φ 22	20	31.5 ^{+0.4} _{-0.1}	φ 20 ^{H8} _{-0.1}	76	PT1/2	45	42	155	26	R20	95	63.5	30	230	250
φ 63	φ 45	φ 55	M30X1.5	φ 35	30	35	46	M24X1.5	φ 28	24	40 ^{+0.4} _{-0.1}	φ 31.5 ^{H8} _{-0.1}	90	PT1/2	63	51	163	42	R31.5	92	80	35	261	292.5
φ 80	φ 60	φ 65	M39X1.5	φ 45	41	45	55	M30X1.5	φ 35	30	40 ^{+0.4} _{-0.1}	φ 31.5 ^{H8} _{-0.1}	110	PT3/4	72	54	184	44	R31.5	111	80	35	291	322.5
φ 100	φ 75	φ 80	M48X1.5	φ 55	50	60	65	M39X1.5	φ 45	41	50 ^{+0.4} _{-0.1}	φ 40 ^{H8} _{-0.1}	135	PT3/4	84	60	192	55	R40	112	100	40	316	356
φ 125	φ 95	φ 95	M64X2	φ 70	65	75	80	M48X1.5	φ 55	50	63 ^{+0.4} _{-0.1}	φ 50 ^{H8} _{-0.1}	165	PT1	100	66	220	62	R50	131	126	45	365	415
φ 140	φ 110	φ 105	M72X2	φ 80	75	80	85	M56X2	φ 60	55	80 ^{+0.8} _{-0.1}	φ 63 ^{H8} _{-0.1}	185	PT1	120	68	230	79	R63	139	160	50	400	463
φ 150	φ 115	φ 110	M76X2	φ 85	80	85	90	M60X2	φ 65	60	80 ^{+0.8} _{-0.1}	φ 63 ^{H8} _{-0.1}	196	PT1	122	70	240	85	R63	147	160	50	412	475
φ 160	φ 120	φ 115	M80X2	φ 90	85	95	95	M64X2	φ 70	65	80 ^{+0.8} _{-0.1}	φ 71 ^{H8} _{-0.1}	210	PT1	137	73	253	89	R71	158	160	55	445	516
φ 180	φ 140	φ 125	M95X2	φ 100	-	110	105	M72X2	φ 80	75	100 ^{+0.8} _{-0.1}	φ 80 ^{H8} _{-0.1}	235	PT1 ½	150	70	275	100	R80	174	200	55	480	560
φ 200	φ 150	φ 140	M100X2	φ 110	-	120	115	M80X2	φ 90	85	125 ^{+0.8} _{-0.1}	φ 90 ^{H8} _{-0.1}	262	OT1 ½	170	79	301	115	R90	188	251	55	526	616
φ 250	φ 195	φ 170	M130X2	φ 140	-	150	140	M100X2	φ 110	-	125 ^{+0.8} _{-0.1}	φ 100 ^{H8} _{-0.1}	325	PT2	185	106	346	125	R100	204	251	65	596	696

TAN AIR

IS140H TIE ROD TYPE HYDRAULIC CYLINDER INTEGRAL HEAD TRUNNION

TA	IS 70/140 H- 2	TA 4 C/B-	6 7 ST 8 - 9 10				
ROD-SIDE TRUNNION 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

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)					XG	□EG	EE	FP	HL	JR	LZ	TC	TD	TL	UT	W
	A	φB	KK	φM	S	A	φB	KK	φM	S												
φ40	30	φ40	M20X1.5	φ22	20	25	φ36	M16X1.5	φ18	16	62	65	PT 3/4	39	141	R2	166	69 ⁰ _{-0.3}	φ20eg	20	109	30
φ50	35	φ46	M24X1.5	φ28	24	30	φ40	M20X1.5	φ22	20	66	76	PT 1/2	42	155	R2.5	182	85 ⁰ _{-0.35}	φ25eg	25	135	30
φ63	45	φ55	M30X1.5	φ35	30	35	φ46	M24X1.5	φ28	24	74	90	PT 1/2	51	163	R2.5	194	98 ⁰ _{-0.35}	φ31.5eg	31.5	161	35
φ80	60	φ65	M39X1.5	φ45	41	45	φ55	M30X1.5	φ35	30	82	110	PT 3/4	54	184	R2.5	222	118 ⁰ _{-0.35}	φ31.5eg	31.5	181	35
φ100	75	φ80	M48X1.5	φ55	50	60	φ65	M39X1.5	φ45	41	89	135	PT 3/4	60	192	R3	232	145 ⁰ _{-0.4}	φ40eg	40	225	40
φ125	95	φ95	M64X2	φ70	65	75	φ80	M48X1.5	φ55	50	103	165	PT1	66	220	R3	264	175 ⁰ _{-0.4}	φ50eg	50	275	45
φ140	110	φ105	M72X2	φ80	75	80	φ85	M56X2	φ60	55	112	185	PT1	68	230	R4	276	195 ⁰ _{-0.46}	φ63eg	63	321	50
φ150	115	φ110	M76X2	φ85	80	85	φ90	M60X2	φ65	60	112	196	PT1	70	240	R4	288	206 ⁰ _{-0.46}	φ63eg	63	332	50
φ160	120	φ115	M80X2	φ90	85	95	φ95	M64X2	φ70	65	126	210	PT1	73	253	R4	304	218 ⁰ _{-0.46}	φ71eg	71	360	55

TAN AIR

IS140H TIE ROD TYPE HYDRAULIC CYLINDER CENTRE TRUNNION

TC	IS 70/140 H- 2	TC 4 C/B-	6 7 ST 8 - 9 10
MIDDLE-SIDE TRUNNION 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	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 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)					BD	EG	EE	FP	HL	JR	LZ	TD	TL	TC	UD	W	XI	ZJ			
	A	φB	KK	φM	S	A	φB	KK	φM	S																	
φ 40	30	φ40	M20X1.5	φ22	20	25	φ36	M16X1.5	φ18	16	28	65	PT 3/4	39	141	R2	166	105	φ20eg	20	69	0	-0.8	109	30	113	171
φ 50	35	φ46	M24X1.5	φ28	24	30	φ40	M20X1.5	φ22	20	33	76	PT 1/2	42	155	R2.5	182	113.5	φ25eg	25	85	0	-0.35	135	30	121	185
φ 63	45	φ55	M30X1.5	φ35	30	35	φ46	M24X1.5	φ28	24	43	90	PT 1/2	51	163	R2.5	197	127.5	φ31.5eg	31.5	98	0	-0.35	161	35	132	198
φ 80	60	φ65	M39X1.5	φ45	41	45	φ55	M30X1.5	φ35	30	43	110	PT 3/4	54	184	R2.5	222	140.5	φ31.5eg	31.5	118	0	-0.35	181	35	146	219
φ 100	75	φ80	M48X1.5	φ55	50	60	φ65	M39X1.5	φ45	41	53	135	PT 3/4	60	192	R3	232	152.5	φ40eg	40	145	0	-0.4	225	40	156	232
φ 125	95	φ95	M64X2	φ70	65	75	φ80	M48X1.5	φ55	50	58	165	PT1	66	220	R3	264	174	φ50eg	50	175	0	-0.4	275	45	177	265
φ 140	110	φ105	M72X2	φ80	75	80	φ85	M56X2	φ60	55	78	185	PT1	68	230	R4	276	191	φ63eg	63	195	0	-0.48	321	50	188	280
φ 150	115	φ110	M76X2	φ85	80	85	φ90	M60X2	φ65	60	78	196	PT1	70	240	R4	288	193	φ63eg	63	206	0	-0.4	332	50	194	290
φ 160	120	φ115	M80X2	φ90	85	95	φ95	M64X2	φ70	65	88	210	PT1	73	253	R4	304	211	φ71eg	71	218	0	-0.48	360	55	207	308
φ 180	140	φ125	M95X2	φ100	-	110	φ105	M72X2	φ80	75	98	235	PT1 1/4	70	275	R4	-	225	φ80eg	80	243	0	-0.48	403	55	216	330
φ 200	150	φ140	M100X2	φ110	-	120	φ115	M80X2	φ90	85	108	262	PT1 1/2	79	301	R4	-	244	φ90eg	90	272	0	-0.52	452	55	232	356
φ 250	195	φ170	M130X2	φ140	-	150	φ140	M100X2	φ110	-	117	325	PT2	106	346	R5	-	257.5	φ100eg	100	335	0	-0.52	535	65	271	411