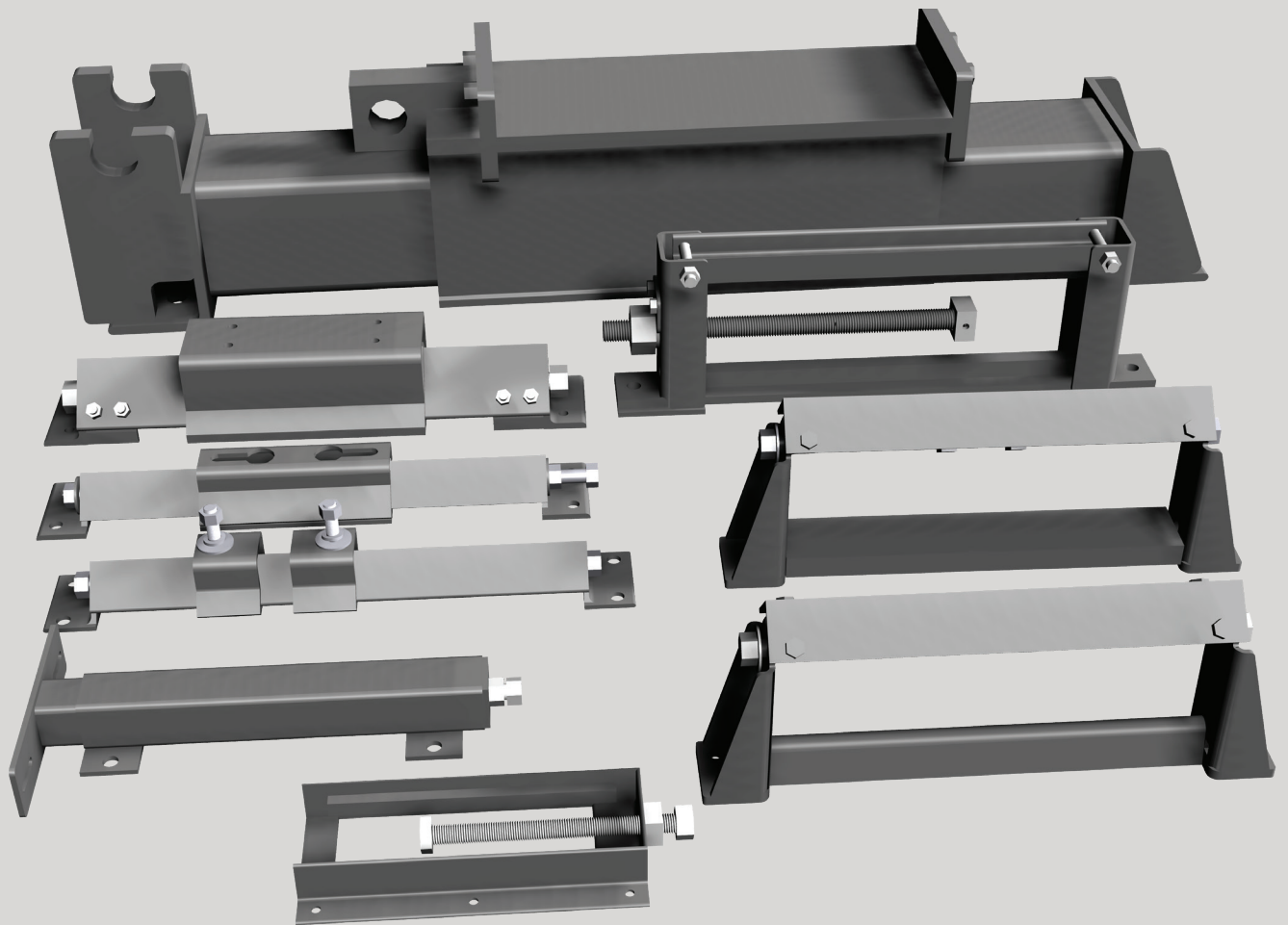
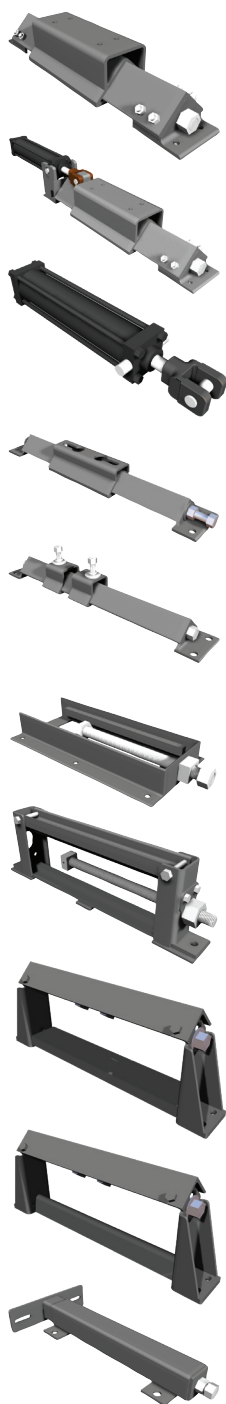


Engineering & Dimensions

TAKE-UP FRAMES







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Operation & Maintenance manuals are available for download from our website, www.ppi-global.com.

- Take-Up Frame Instructions
- PHYD Take-Up Frame Instructions
- PHYD Selection
- PHYD Cylinder Guide
- PCP Hydraulic Conversion Guide
- Hydraulic Hand Pump Operation and Maintenance Manual

PHD/PHYD* – Heavy Duty & Hydraulic Take-Up Frames

TAKE-UP FRAMES							BEARINGS					
PPI	PPI HYDRAULIC	DODGE	SKF	LINKBELT	BROWNING 2000	SUPERIOR	PPI		DODGE		LINKBELT	OTHERS
							SAF	TYPE E	SYE TYPE E	SYR	SAF-XT/USAF SAF22500	
PHD200	–	HD200	TFT 1, 2	LHD20	T2000A-C	200	up to 2 3/16	up to 2 7/16	up to 2 1/2	up to 2 1/2	up to 2 3/16	up to 2
PHD208	–	HD250	TFT 3, 43	LHD25	T2000D-E	250	up to 2 15/16	up to 2 15/16	up to 3	up to 3	up to 3	up to 2 1/2
PHD300	PHYD300	HD300	TFT 4, 44	LHD30	T2000F-G	300	up to 3 3/16	up to 3 7/16	–	up to 3 1/2	up to 3 3/16	up to 3
PHD308	PHYD308	HD350	TFT 5, 6, 46	LHD35	T2000H-J	350	up to 3 7/16	up to 3 15/16	up to 3 1/2	up to 4 1/2	up to 3 1/2	up to 3 1/2
PHD400	PHYD400	HD400	TFT 7, 37	LHD40	T2000K	400	up to 4 7/16	up to 4 15/16	up to 5	up to 5	up to 4 1/2	up to 4 3/16
PHD500	PHYD500	HD500	TFT 48	LHD50	T2000M-N	500	up to 5 7/16	–	up to 6	–	up to 5 1/2	up to 5
PHD600	PHYD600	HD600	–	–	–	600	up to 5 15/16	–	–	–	up to 6	up to 5 15/16
PHD800	PHYD800	HD650	–	–	–	800	up to 8 15/16	–	–	–	8 to 9	8 to 9
PHD1000	PHYD1000	–	–	–	–	–	up to 10 7/16	–	–	–	10 to 12	10 to 12

*For other PHD/PHYD sizes and/or capacities, contact your local PPI Representative.

PMD – Medium Duty Take-Up Frames

TAKE-UP FRAMES				BEARINGS						
PPI	DODGE	LINKBELT LC	BROWNING TF	PPI		DODGE			LINKBELT	
				TYPE E	SCM	SC, SY	SCM, SYM	S-2000	TYPE E	22400
PMD100	LD10	LC1	TF16	–	–	1/2 - 1	–	–	–	–
PMD108	LD20	–	–	–	1 3/16	1 1/16 - 1 7/16	1 - 1 1/4	1 1/8 - 1 3/4	1 3/16 - 1 1/4	1 - 1 1/2
PMD200	LD30	LC2	TF31	1 7/16	1 7/16	1 1/2 - 1 3/4	1 7/16 - 1 5/8	–	1 3/8 - 1 11/16	1 5/8 - 1 3/4
PMD208	LD40	LC3	TF39	1 15/16 - 2 7/16	1 11/16 - 1 15/16	1 15/16 - 2 7/16	1 11/16 - 2 1/4	1 7/8 - 2 1/2	1 3/4 - 2 3/16	1 15/16 - 2 1/2
PMD300	LD45	–	–	2 15/16	2 3/16 - 2 7/16	2 1/2 - 2 11/16	2 7/16 - 3	2 11/16 - 3 1/2	2 11/16 - 3	2 11/16 - 3 1/2
PMD308	LD50	–	–	3 7/16	2 15/16 - 3 7/16	2 15/16	2 7/16 - 3 1/2	3 11/16 - 4	3 3/16 - 3 1/2	2 11/16 - 3 1/2

PLD – Light Duty Take-Up Frames

TAKE-UP FRAMES				BEARINGS						
PPI	DODGE	LINKBELT LC	BROWNING TF	PPI		DODGE			LINKBELT	
				TYPE E	SCM	SC, SY	SCM, SYM	S-2000	TYPE E	22400
PLD100	LD10	LC1	TF16	–	–	1/2 - 7/8	–	–	1 3/16 - 1 1/4	1 - 1 1/4
PLD108	LD20	–	–	1 7/16	1 3/16 - 1 7/16	1 1/16 - 1 3/4	1 - 1 5/8	1 1/8 - 1 3/4	1 3/8 - 1 11/16	1 7/16 - 1 3/4
PLD200	LD30	LC2	TF31	–	–	1 15/16	1 11/16 - 1 3/4	–	–	–
PLD208	LD40	LC3	TF39	1 15/16 - 2 7/16	1 11/16 - 1 15/16	1 15/16 - 2 7/16	1 11/16 - 2 1/4	1 7/8 - 2 1/2	1 3/4 - 2 1/2	1 15/16 - 2 1/2
PLD300	LD45	–	–	2 15/16	2 3/16 - 2 15/16	2 1/2 - 2 15/16	2 7/16 - 2 1/2	2 11/16 - 3 1/2	2 11/16 - 3	2 11/16 - 3 1/2
PLD308	LD50	–	–	3 7/16	2 15/16 - 3 7/16	2 15/16	2 11/16 - 3 1/2	3 3/16 - 4	3 3/16 - 3 1/2	3 11/16 - 4

PST – Slide Tube Take-Up Frame

TAKE-UP FRAMES			BEARINGS								
PPI	BRYANT	PPI TU Frame Numbers	PPI		DODGE				LINKBELT		
			SCM	TYPE E	SC	SCM	E/K	S-2000	U200	U300	22400
PST250	250	200	1 3/16	–	1 1/16 - 1 7/16	1 - 1 7/16	1 3/16 - 1 7/16	1 1/8 - 1 1/2	1 1/2 - 1 7/16	3/4 - 1	1 7/16 - 1 1/2
PST300	300	208	1 7/16 - 2 1/4	1 7/16 - 2 3/16	1 1/2 - 2 7/16	1 7/16 - 2 1/4	1 3/8 - 2 3/16	1 5/8 - 2 1/4	1 1/2 - 2 7/16	3/4 - 1 7/16	1 7/16 - 2 1/2
PST350	350HD	HD208	1 7/16 - 2 1/4	1 7/16 - 2 3/16	1 1/2 - 2 7/16	1 7/16 - 2 1/4	1 3/8 - 2 3/16	1 5/8 - 3	1 1/2 - 2 7/16	3/4 - 1 7/16	1 7/16 - 2 1/2
PST400	400	300	2 7/16 - 2 15/16	2 7/16 - 3 7/16	2 1/2 - 2 15/16	2 7/16 - 3 1/2	2 1/4 - 3 1/2	3 3/16 - 3 1/2	2 1/2 - 3 1/2	1 1/2 - 2 7/16	2 11/16 - 3 1/2
PST500	500	400	up to 3 7/16	up to 3 15/16	up to 2 15/16	up to 3 1/2	up to 4	up to 4	up to 4	up to 3 15/16	up to 4

PCP – Center Pull Take-Up Frame

TAKE-UP FRAMES				BEARINGS					
PPI	DODGE	BROWNING	REXNORD	DODGE		LINKBELT	BROWNING		REXNORD
				WSTU TYPE E	WSTU S2 S-2000	T-B22400H	TUE920	STU1000	ZT
PCP108	CP308	-	-	1 3/8 - 1 7/16	1 1/8 - 1 1/2	1 3/16 - 1 1/2	1 3/8 - 1 7/16	-	-
PCP200	CP400	1000D	ZHT-6	1 1/2 - 2	1 11/16 - 2	1 5/8 - 2	1 1/2 - 2	1 15/16 - 2	1 1/2 - 1 15/16
PCP203	CP408	1000EH	ZHT-7	2 3/16	2 3/16 - 2 1/4	2 3/16 - 2 1/4	2 3/16	2 3/16	2 - 2 3/16
PCP208	CP502	1000F	ZHT-8	2 1/4 - 2 1/2	2 7/16 - 2 1/2	2 7/16 - 2 1/2	2 7/16	2 7/16 - 2 1/2	2 7/16
PCP300	CP515	1000GH	ZHT-9	2 11/16 - 3	2 11/16 - 3	2 11/16 - 3	2 15/16	2 11/16 - 3	2 1/2 - 2 15/16
PCP308	CP613	1000JH	ZHT-10	-	3 1/4 - 3 1/2	3 7/16 - 3 1/2	3 7/16	3 3/16 - 3 1/2	3 3/16 - 3 7/16
PCP400	CP810	1000K	ZHT-11	-	3 11/16 - 4	4**	3 15/16 - 4 1/2	3 11/16 - 4	3 11/16 - 4
PCP408	CP908	-	ZHT-12	-	4 7/16 - 4 1/2	-	-	-	4 3/16 - 4 7/16
PCP500	CP1004	-	ZHT-13	-	4 15/16	-	-	-	4 15/16 - 5

**The LinkBelt 3-15/16 Wide Slot requires a different frame, i.e. PCP400LB.

NOTE: While both PCP and PWS use the same dimensions for the rails and Bearing Housing Slots, i.e. the rails will fit Wide Slot Take Up Housing, this does not mean that all wide slot bearings will fit into a PWS. A PWS has tighter clearances, designed for the narrow housings of a Normal or Medium Duty Ball Bearing. As such, they are NOT designed for a roller bearing. (A roller bearing unit MIGHT fit into a PWS, but it will need to be confirmed.) However, the PCP has no such restrictions and can be used with both Ball and Roller Bearing Wide Slot Take Up Housings.

PWS – Wide Slot Take-Up Frame

TAKE-UP FRAMES			BEARINGS							
PPI	DODGE	HUB CITY (WS200)	DODGE		SKF		LINKBELT	HUB CITY		BROWNING
			WSTU-SC SC	WSTU-SCM SCM	TBY	TBYM	T-U300	WSTU220	WSTU250	VTWS/VTWE
PWS100	WS300	BC	1/2 - 1	-	3/4 - 1	-	7/8 - 1	3/4 - 1	3/4 - 1	1/2 - 1
PWS108	WS308	DE	1 1/16 - 1 7/16	1 - 1 1/4	1 1/16 - 1 7/16	-	1 1/4 - 1 7/16	1 1/8 - 1 7/16	1 1/8 - 1 7/16	1 1/8 - 1 7/16
PWS200	WS400	FH	1 1/2 - 2	1 7/16 - 1 3/4	1 1/2 - 1 15/16	1 7/16 - 1 3/4	1 1/2	1 1/2 - 2	1 1/2	1 1/2 - 1 15/16
PWS208	WS502	JK	2 - 2 7/16	1 15/16 - 2 1/4	2 - 2 3/16	1 15/16	1 15/16	2 3/16 - 2 7/16	2 3/16	2 - 2 7/16
PWS300	WS515	-	2 1/2 - 2 15/16	2 7/16 - 2 11/16	-	-	2 1/4 - 2 7/16	-	-	-
PWS308	WS608	-	-	2 15/16 - 3	-	-	-	-	-	-

PPA - Protected Angle Take-Up Frame (Fits Channel Bottom Housing)

TAKE-UP FRAMES			BEARINGS					
PPI	REXNORD	SKF	LINKBELT			SKF		REXNORD
			TDS(3)-U200N	DS-B22400H	DS-LB6800	TY	TRH	ZNT
PPA200	ZNT 6	PA-1	1 15/16	1 15/16	-	1 7/16	1 15/16	1 15/16 - 2
PPA203	ZNT 7	PA-2	2 3/16	2 3/16	-	1 15/16	2 3/16	2 3/16 - 2 1/4
PPA208	ZNT 8	PA-11	2 7/16	2 7/16	-	-	2 7/16	2 3/8 - 2 1/2
PPA300	ZNT 9	PA-4	2 15/16	2 15/16	2 7/16	2 3/16 - 2 7/16	2 15/16	2 11/16 - 3
PPA308	ZNT 10	PA-5	3 7/16	3 7/16	2 15/16	2 15/16	-	3 3/16 - 3 1/2
PPA400	ZNT 11	PA-6	3 15/16	3 15/16	3 7/16	3 7/16 - 3 15/16	3 15/16	3 11/16 - 4
PPA408	-	-	-	4 7/16	3 15/16	-	-	-

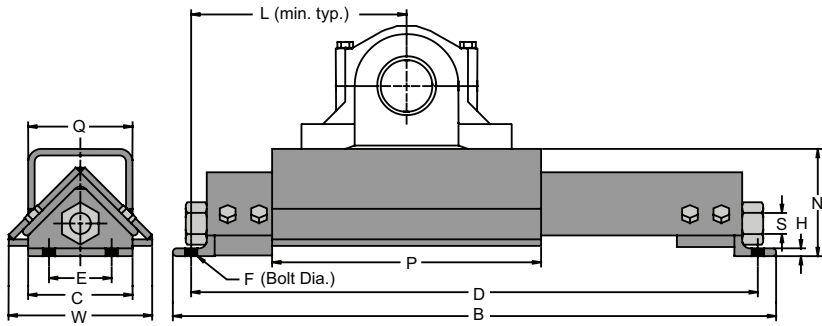
While the PTA & PPA have the same mounting dimensions, they fit two different styles of Take-Up Housings.

PTA – Top Angle Take-Up Frame (Fits Round Bottom Housing)

TAKE-UP FRAMES		BEARINGS				
PPI	DODGE	DODGE				LINKBELT
		TPE/TPK E/K	G SC	GM SCM	TPHU S-2000	ETP
PTA200	TP10	1 3/4 - 2	1 15/16 - 2	1 11/16 - 1 3/4	1 15/16	1 3/4 - 2
PTA203	TP20	2 3/16	2 - 2 1/4	1 15/16 - 2	-	2 3/16
PTA208	TP30	2 1/4 - 2 1/2	2 1/4 - 2 7/16	2 3/16 - 2 1/4	2 3/16	2 1/4 - 2 1/2
PTA300	TP40	2 11/16 - 3	2 1/2 - 2 15/16	2 7/16 - 2 11/16	2 7/16	2 11/16 - 3
PTA308	TP50	3 3/16 - 3 1/2	-	2 15/16 - 3	3 7/16	3 3/16 - 3 1/2
PTA400	TP60	3 15/16 - 4	-	3 7/16 - 3 1/2	3 15/16	3 15/16 - 4

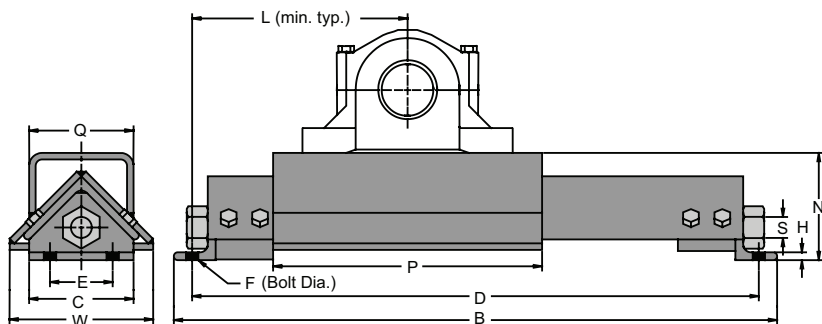
While the PTA & PPA have the same mounting dimensions, they fit two different styles of Take-Up Housings.

PRECISION HEAVY DUTY (PHD)



- ACME screw - Standard on 500 & larger.
- ACME screw optional on 400 and smaller
- Pillow block Mounting holes drilled to order
- Pillow Block Mounting Bolts included
- Uses standard pillow blocks
- PHD 200-600 use angle iron
- PHD 800 -1000 use heavy wall square tubing
- Stainless steel threaded rods are available

Size	Travel	Wt.	B	C	D	E	F Bolt Dia	H	L	N	P	Q	S Rod Dia	W
PHD200	12	48	30 5/16	5	29	2 1/2	5/8	1/4	9 3/4	5 1/4	11	4	1	6 1/8
	18	52	36 5/16		35									
	24	56	42 5/16		41									
	30	60	48 5/16		47									
	36	64	54 5/16		53									
	48	72	66 5/16		65									
	60	80	78 5/16		77									
PHD208	12	83	35 1/4	5 1/2	32 3/4	3	5/8	3/8	10 7/8	6 1/4	13 1/4	5	1	7 1/8
	18	89	41 1/4		38 3/4									
	24	95	47 1/4		44 3/4									
	30	101	53 1/4		50 3/4									
	36	107	59 1/4		56 3/4									
	48	119	71 1/4		68 3/4									
	60	131	83 1/4		80 3/4									
PHD300	12	137	38 1/4	6 1/2	35 1/2	3	3/4	1/2	11 3/4	7	14 1/4	6	1 1/4	8 3/4
	18	147	44 1/4		41 1/2									
	24	157	50 1/4		47 1/2									
	30	166	56 1/4		53 1/2									
	36	176	62 1/4		59 1/2									
	48	196	74 1/4		71 1/2									
	60	216	86 1/4		83 1/2									
PHD308	12	147	40	6 1/2	37 1/4	3	3/4	1/2	12 5/8	7	16	6	1 1/4	8 3/4
	18	157	46		43 1/4									
	24	167	52		49 1/4									
	30	177	58		55 1/4									
	36	187	64		61 1/4									
	48	206	76		73 1/4									
	60	225	88		85 1/4									
PHD400	12	176	44	6 1/2	41 1/4	3	3/4	1/2	14 5/8	7	20	7	1 1/4	8 3/4
	18	186	50		47 1/4									
	24	196	56		53 1/4									
	30	206	62		59 1/4									
	36	216	68		65 1/4									
	48	235	80		77 1/4									
	60	254	92		89 1/4									

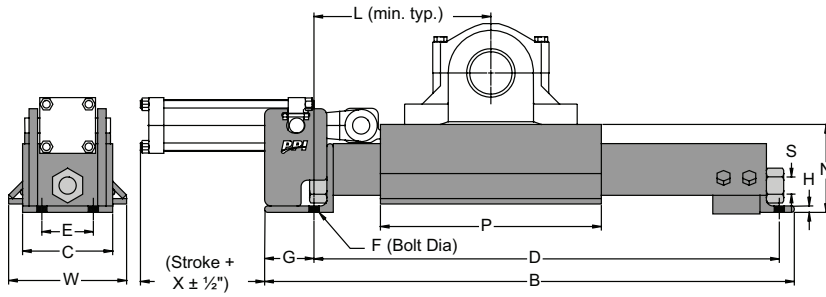


- ACME screw - Standard on 500 & larger.
- ACME screw optional on 400 and smaller
- Pillow block Mounting holes drilled to order
- Pillow Block Mounting Bolts included
- Uses standard pillow blocks
- PHD 200-600 use angle iron
- PHD 800 -1000 use heavy wall square tubing
- Stainless steel threaded rods are available

Size	Travel	Wt.	B	C	D	E	F Bolt Dia	H	L	N	P	Q	S Rod Dia	W
PHD500	12	304	49 1/2	7	47	4	7/8	1/2	16 1/2	7 3/4	23 1/2	8 1/2	1 1/2	10 3/4
	18	321	55 1/2		53									
	24	337	61 1/2		59									
	30	354	67 1/2		65									
	36	371	73 1/2		71									
	48	405	85 1/2		83									
	60	439	97 1/2		95									
PHD600	12	502	57 3/4	10	54 1/4	6	1	3/4	20 5/8	10 1/4	25 3/4	10	2	13 3/4
	18	524	63 3/4		60 1/4									
	24	546	69 3/4		66 1/4									
	30	568	75 3/4		72 1/4									
	36	590	81 3/4		78 1/4									
	48	635	93 3/4		90 1/4									
	60	680	105 3/4		102 1/4									
PHD800	12	799	70 7/8	12	60 7/8	6	1 1/4	3/4	21 1/4	12 3/4	36	12	2 1/2	12
	18	822	76 7/8		66 7/8									
	24	844	82 7/8		72 7/8									
	30	867	88 7/8		78 7/8									
	36	889	94 7/8		84 7/8									
	48	929	106 7/8		96 7/8									
	60	969	118 7/8		108 7/8									
PHD1000	12	1192	76 1/2	14	66 1/2	6	1 1/2	3/4	23 1/4	15 1/2	40	14	3	14
	18	1233	82 1/2		72 1/2									
	24	1274	88 1/2		78 1/2									
	30	1315	94 1/2		84 1/2									
	36	1357	100 1/2		90 1/2									
	48	1440	112 1/2		102 1/2									
	60	1523	124 1/2		114 1/2									

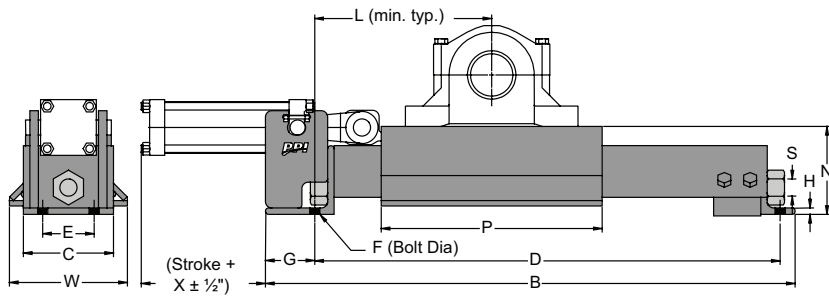
Mounting Holes (D&T) for Pillow Blocks are done per order. For other sizes, contact your local Precision Representative.

PRECISION HEAVY DUTY (PHYD)



- Saddle movement assisted with hydraulic cylinder
- Uses Standard Rod End Trunion Mount Cylinders
- Default set up is pull
- PHYD 200-600 use angle iron
- PHYD 800 -1000 use heavy wall square tubing
- Stainless steel threaded rods are available

Size	Travel	Wt.	B	C	D	E	F Bolt Dia	H	L	N	P	Q	S Rod Dia	W	G	X ± 1/2"	Available Cylinders
PHYD300	12	137	40 1/4	7 1/2	35 1/2	3	3/4	1/2	11 3/4	7	14 1/4	6	11/4	8 3/4	3 3/8	2 3/8	2010
	18	147	46 1/4		41 1/2												
	24	157	52 1/4		47 1/2												
	30	166	58 1/4		53 1/2												
	36	176	64 1/4		59 1/2												
	48	196	76 1/4		71 1/2												
	60	216	88 1/4		83 1/2												
PHYD308	12	147	43 1/4	7 1/2	37 1/4	3	3/4	1/2	12 5/8	7	16	6	11/4	8 3/4	3 3/8	2 3/8	2010
	18	157	49 1/4		43 1/4												
	24	167	55 1/4		49 1/4												
	30	177	61 1/4		55 1/4										4 5/16	2 9/16	2513
	36	187	67 1/4		61 1/4												
	48	206	79 1/4		73 1/4												
	60	225	91 1/4		85 1/4												
PHYD400	12	176	47 1/4	7 1/2	41 1/4	3	3/4	1/2	14 5/8	7	20	7	11/4	8 3/4	4 5/16	2 9/16	2513
	18	186	53 1/4		47 1/4												
	24	196	59 1/4		53 1/4												
	30	206	65 1/4		59 1/4										4 5/8	3 1/4	3213
	36	216	71 1/4		65 1/4												
	48	235	83 1/4		77 1/4												
	60	254	95 1/4		89 1/4												
PHYD500	12	304	54 1/8	8 1/2	47	4	7/8	3/4	18 5/8	7 3/4	23 1/2	8 1/2	11/2	10 3/4	5 7/8	3 1/4	3217
	18	321	60 1/8		53												
	24	337	66 1/8		59												
	30	354	72 1/8		65											3 1/2	4017
	36	371	78 1/8		71												
	48	405	90 1/8		83												
	60	439	102 1/8		95												
PHYD600	12	502	61 3/4	10 1/2	54 1/4	6	1	3/4	22 3/16	10 1/4	25 3/4	10	2	13 3/4	5 3/4	2 1/16	4020
	18	524	67 3/4		60 1/4												
	24	546	73 3/4		66 1/4												
	30	568	79 3/4		72 1/4											2 3/4	5020
	36	590	85 3/4		78 1/4												
	48	635	97 3/4		90 1/4												
	60	680	109 3/4		102 1/4												



- Saddle movement assisted with hydraulic cylinder
- Uses Standard Rod End Trunion Mount Cylinders
- Default set up is pull
- PHYD 200-600 use angle iron
- PHYD 800 -1000 use heavy wall square tubing
- Stainless steel threaded rods are available

Size	Travel	Wt.	B	C	D	E	F Bolt Dia	H	L	N	P	Q	S Rod Dia	W	G	X ± 1/2"	Available Cylinders
PHYD800	12	799	71 5/8	12	60 7/8	6	1 1/4	3/4	29 1/8	12 3/4	33	12	25	12	5 3/4	27/16	5020
	18	822	77 5/8		66 7/8												
	24	844	83 5/8		72 7/8												
	30	867	89 5/8		78 7/8											3 9/16	6025
	36	889	95 5/8		84 7/8												
	48	929	107 5/8		96 7/8												
	60	969	119 5/8		108 7/8												
PHYD1000	12	1192	78 1/4	14	66 1/2	6	1 1/2	3/4	33 1/4	15 1/2	36	14	3	14	6 3/4	31/16	6025
	18	1233	84 1/4		72 1/2												
	24	1274	90 1/4		78 1/2												
	30	1315	96 1/4		84 1/2											4	7030
	36	1357	102 1/4		90 1/2												
	48	1440	114 1/4		102 1/2											5 1/8	8035
	60	1523	126 1/4		114 1/2												

Mounting Holes (D&T) for Pillow Blocks are done per order. For other sizes, contact your local PPI Representative.

See page 10 for PHYD hydraulic cylinders. To specify a PPI PHYD frame, select a cylinder from page 10, then add an "x" and the travel length.

For example: **PHYD400-2513x24** for a 400 frame, suitable for a 2513 cylinder and 24" of travel.

HYD 2513x24 for a cylinder with 2.5" bore, 1.375" rod with 24" stroke with clevis and pin.

Hydraulic cylinders are shipped separate from the Take-Up frame to minimize damage.

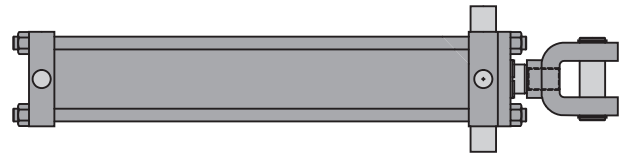
PHYD HYDRAULIC CYLINDERS

All PHYD frames are set up for Pull applications at the factory, unless specified on the order.

All PHYD frames are designed for series 2HD Head Trunion mount cylinders (NFPA #MT1)

All PHYD frames are to be used with pillow blocks.

Hydraulic cylinders have lip seals and SAE ports. Hydraulic cylinder extends past the frame approximately equal to the stroke plus X inches (refer to drawing on page 8)



Part Number	Cylinder		Area		Max Force		Max Pressure		Max Push Stroke* (in)	SAE Port Size
	Bore (in)	Rod (in)	Pull (sq in)	Push (sq in)	Pull (lb)	Push (lb)	Pull (psi)	Push (psi)		
PHYD300-2010	2	1	2357	3142	5,800	6,000	2,461	1,910	24	8 or 10
PHYD308-2010	2	1	2357	3142	5,800	8,000	2,461	2,546	18	8 or 10
PHYD308-2513	2 1/2	1 3/8	3,424	4,909	8,500	9,000	2,482	1,833	30	
PHYD400-2513	2 1/2	1 3/8	3,424	4,909	8,500	12,000	2,482	2,444	30	8 or 10
PHYD400-3213	3 1/4	1 3/8	6,811	8,296	12,000	12,000	1,762	1,446		12
PHYD500-3217	3 1/4	1 3/4	5,891	8,296	14,500	18,000	2,461	2,170	30	12
PHYD500-4017	4	1 3/4	10,161	12,566	18,000	18,000	1,771	1,432		
PHYD600-4020	4	2	9,424	12,566	23,000	30,000	2,441	2,387	30	12
PHYD600-5020	5	2	16,493	19,635	30,000	30,000	1,819	1,528		
PHYD800-5020	5	2	16,493	19,635	36,000	43,000	2,183	2,190	30	12
PHYD800-6025	6	2 1/2	23,365	28,274	50,000	50,000	2,140	1,768		16
PHYD1000-6025	6	2 1/2	23,365	28,274	50,000	62,000	2,140	2,193	30	16
PHYD1000-7030	7	3	31,416	38,485	70,000	85,000	2,228	2,209		20
PHYD1000-8035	8	3 1/2	40,644	50,265	90,000	90,000	2,214	1,791		24

*Cylinders beyond Max Push Stroke MAY have to be adjusted for the application, which will increase the X dimension. Consult PPI Engineers for Push Applications beyond the Max Push Stroke.

- To specify a Precision PYHD frame, add a "x" and the travel length to the part numbers above. For example:
PHYD400-2513x24 for a 400 frame, suitable for a 2513 cylinder and 24" of travel.
HYD2513x24, for a cylinder with 2.5 bore, 1.375 rod with 24" stroke with clevis & pin.
- Cylinders are available with an optional boot to protect the rod, add a B to the end of the cylinder part number.
- For frame dimensions, see pages 8 & 9.
- For other sizes & capacities, contact your local PPI Representative.
- Hydraulic cylinders are shipped separate from the Take-Up frame to minimize damage.

WHICH HOSE KIT TO ORDER

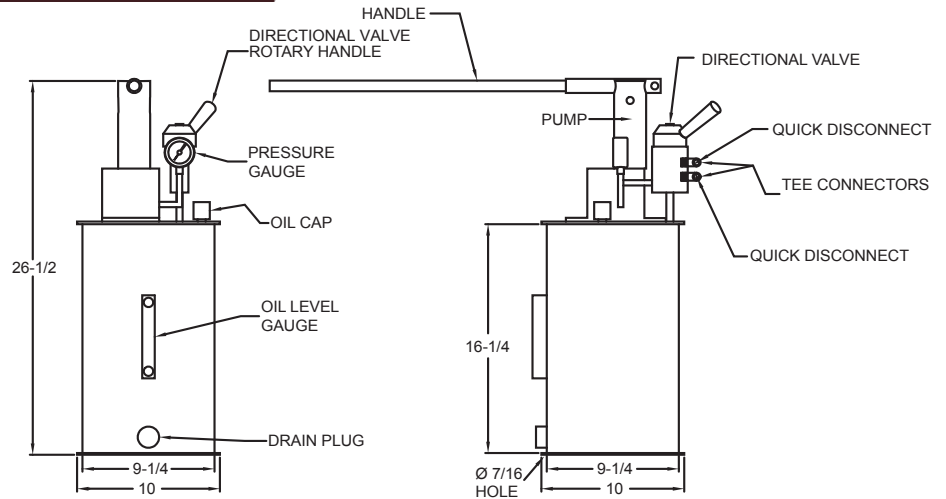
CYLINDER SIZE	HOSE KIT
2010	M HOSE or M HOSE L
2513	M HOSE or M HOSE L
3217	M HOSE or M HOSE L
4017	M HOSE or M HOSE L
4020	M HOSE or M HOSE L
5020	M HOSE or M HOSE L
6025	L HOSE or L HOSE L
7030	L HOSE or L HOSE L
8035	X HOSE or X HOSE L

See page 11 for hose detail.

HYDHP PUMP (75 lb)

QTY	DESCRIPTION
1	Hand Pump
1	Reservoir (5 GAL) with Oil Level Gauge, Drain & Cap
1	Directional Valve
2	Tee Connector
2	Quick Disconnect Socket
2	Quick Disconnect Plug

Note: Oil is not included



M HOSE - 15.8 lbs

QTY	DESCRIPTION
1	Diameter: 3/8" • Length: 3'
1	Diameter: 3/8" • Length: 6'
1	Diameter: 3/8" • Length: 12'
1	Diameter: 3/8" • Length: 15'
4	#10 to #8 SAE Port Adapters
4	#12 to #8 SAE Port Adapters
2	Quick Connect Socket (coupler)
2	Quick Connect Plug

M HOSE L - 29.8 lbs

QTY	DESCRIPTION
1	Diameter: 3/8" • Length: 20'
1	Diameter: 3/8" • Length: 23'
1	Diameter: 3/8" • Length: 30'
1	Diameter: 3/8" • Length: 33'
4	#10 to #8 SAE Port Adapters
4	#12 to #8 SAE Port Adapters
2	Quick Connect Socket (coupler)
2	Quick Connect Plug

L HOSE - 18.2 lbs

QTY	DESCRIPTION
1	Diameter: 3/8" • Length: 3'
1	Diameter: 3/8" • Length: 6'
1	Diameter: 3/8" • Length: 12'
1	Diameter: 3/8" • Length: 15'
4	#16 to #8 SAE Port Adapters
4	#20 to #8 SAE Port Adapters
2	Quick Connect Socket (coupler)
2	Quick Connect Plug

L HOSE L - 32.2 lbs

QTY	DESCRIPTION
1	Diameter: 3/8" • Length: 20'
1	Diameter: 3/8" • Length: 23'
1	Diameter: 3/8" • Length: 30'
1	Diameter: 3/8" • Length: 33'
4	#16 to #8 SAE Port Adapters
4	#20 to #8 SAE Port Adapters
2	Quick Connect Socket (coupler)
2	Quick Connect Plug

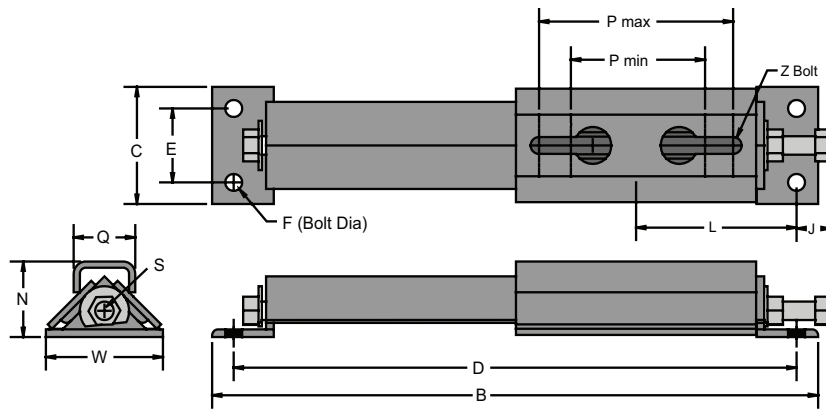
X HOSE - 19.8 lbs

QTY	DESCRIPTION
1	Diameter: 3/8" • Length: 3'
1	Diameter: 3/8" • Length: 6'
1	Diameter: 3/8" • Length: 12'
1	Diameter: 3/8" • Length: 15'
4	#16 to #8 SAE Port Adapters
4	#24 to #16 SAE Port Adapters
2	Quick Connect Socket (coupler)
2	Quick Connect Plug

X HOSE L - 33.8 lbs

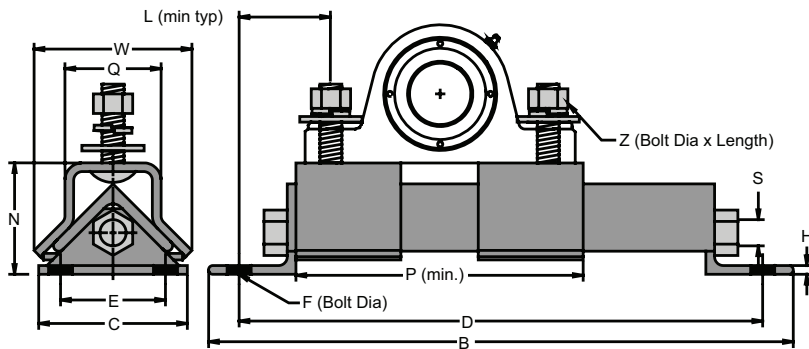
QTY	DESCRIPTION
1	Diameter: 3/8" • Length: 20'
1	Diameter: 3/8" • Length: 23'
1	Diameter: 3/8" • Length: 30'
1	Diameter: 3/8" • Length: 33'
4	#16 to #8 SAE Port Adapters
4	#24 to #16 SAE Port Adapters
2	Quick Connect Socket (coupler)
2	Quick Connect Plug

PRECISION MEDIUM DUTY (PMD)



- Heavy duty 1-piece saddle design for 2-bolt pillow blocks
- Low profile design for tight applications
- Uses standard 2-bolt pillow blocks
- Uses "carriage bolts" (Round head square neck bolts)(not included)
- Mounting bolts are NOT included
- Stainless steel threaded rods are available

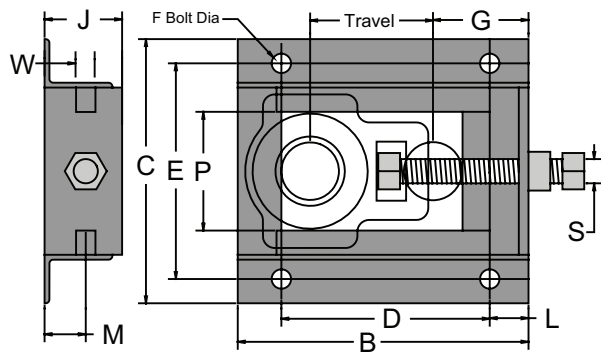
Size	Travel	Weight	B	C	D	E	F Bolt Dia	J	L	N	P		Q	S Rod Dia	W	Z Bolt Dia x Length
											min	max				
PMD100	6	13	19 1/2	3 3/4	18	2 1/2	3/8	13/4	4 1/4	2 9/16	2 7/8	4 1/4	1 1/2	3/4	3 3/4	3/8 x 1-1/2
	9	15	22		20 1/2											
	12	16	25		23 1/2											
	18	18	33 1/2		32											
PMD108	6	15	19 1/2	3 3/4	18	2 1/2	3/8	13/4	5 1/4	2 9/16	4 7/16	6	2	3/4	3 3/4	1/2 x 2-1/2
	9	61	22		20 1/2											
	12	18	25		23 1/2											
	18	21	33 1/2		32											
PMD200	24	23	39 1/2		38											
PMD200	6	19	22 1/4	3 3/4	20 3/4	2 1/2	1/2	13/4	5 5/8	2 5/8	5 3/4	7	2 1/2	3/4	4	5/8 x 3
	12	22	28 1/4		26 3/4											
	18	25	34 1/4		32 3/4											
	24	28	40 1/4		38 3/4											
	30	30	46 1/4		44 3/4											
PMD208	6	25	22 1/4	4 3/4	20 1/2	3	5/8	17/8	6 5/8	3 1/16	5 3/4	7 1/2	2 1/2	3/4	4 1/2	5/8 x 3
	12	28	28 1/4		26 1/2											
	18	31	34 1/4		32 1/2											
	24	35	40 1/4		38 1/2											
	30	38	46 1/4		44 1/2											
PMD300	36	41	52 1/4		50 1/2											
	12	59	33 1/4	5	31 1/2	3	3/4	2 3/16	8 1/2	4 1/16	7 5/16	11 1/16	3 3/4	1	5 3/8	3/4 x 3-1/2
	18	64	39 1/4		37 1/2											
	24	70	45 1/4		43 1/2											
	30	76	51 1/4		49 1/2											
	36	85	57 1/4		55 1/2											
	42	88	63 1/4		61 1/2											
	48	94	69 1/4		67 1/2											
PMD308	12	59	33 1/4	5	31 1/2	3	3/4	2 3/16	8 1/2	4 1/16	7 3/16	11 1/16	3 3/4	1	5 3/8	7/8 x 4
	18	64	39 1/4		37 1/2											
	24	70	45 1/4		43 1/2											
	30	76	51 1/4		49 1/2											
	36	82	57 1/4		55 1/2											
	42	88	63 1/4		61 1/2											
	48	94	69 1/4		67 1/2											



- Two-piece saddle design for 2-bolt, 1-piece pillow blocks (ball, tapered or spherical)
- Extra wide saddle halves for extra strength
- Pillow block mounting bolts included
- Uses standard 2-bolt pillow blocks
- Stainless steel threaded rods are available

Size	Travel	Weight	B	C	D	E	F Bolt Dia	H	L	N	P	Q	S Rod Dia	W	Z Bolt Dia x Length
PLD100	6	10	19 1/2	3 1/2	18	2 1/2	1/2	3/16	2	2 3/4	5	2 1/4	3/4	4	3/8 x 1-1/2
	9	11	22		20 1/2										
	12	12	25		23 1/2										
	18	15	33 1/2		32										
PLD108	6	10	19 1/2	3 1/2	18	2 1/2	1/2	3/16	2	2 3/4	5	2 1/4	3/4	4	1/2 x 2-1/2
	9	11	22		20 1/2										
	12	12	25		23 1/2										
	18	16	33 1/2		32										
	24	18	39 1/2		38										
PLD200	6	12	22 1/4	3 1/2	20 3/4	2 1/2	1/2	3/16	2	2 3/4	5	2 1/4	3/4	4	5/8 x 3
	12	14	28 1/4		26 3/4										
	18	16	34 1/4		32 3/4										
	24	18	40 1/4		38 3/4										
	30	21	46 1/4		44 3/4										
PLD208	6	17	22 1/4	4 1/4	20 1/2	3	5/8	1/4	2 5/8	3 3/16	6	2 3/4	3/4	4 1/2	5/8 x 3
	12	20	28 1/4		26 1/2										
	18	23	34 1/4		32 1/2										
	24	26	40 1/4		38 1/2										
	30	29	46 1/4		44 1/2										
	36	33	52 1/4		50 1/2										
PLD300	12	35	33 1/4	5	31 1/2	3	3/4	5/16	2 7/8	4 1/8	7	3 1/2	1	5 1/2	3/4 x 3-1/2
	18	40	39 1/4		37 1/2										
	24	45	45 1/4		43 1/2										
	30	50	51 1/4		49 1/2										
	36	54	57 1/4		55 1/2										
	42	59	63 1/4		61 1/2										
	48	64	69 1/4		67 1/2										
PLD308	12	40	33 1/4	5	31 1/2	3	3/4	5/16	2 7/8	4 1/8	7	3 1/2	1	5 1/2	7/8 x 4
	18	45	39 1/4		37 1/2										
	24	49	45 1/4		43 1/2										
	30	53	51 1/4		49 1/2										
	36	58	57 1/4		55 1/2										
	42	63	63 1/4		61 1/2										
	48	68	69 1/4		67 1/2										

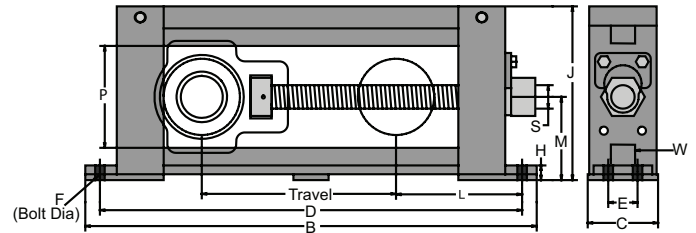
PRECISION WIDE SLOT (PWS)



- Compact design for tight installations
- Side mount
- Use wide slot ball bearings
- In-line frame; rod force is at the center line of the bearing
- Stainless steel threaded rods are available

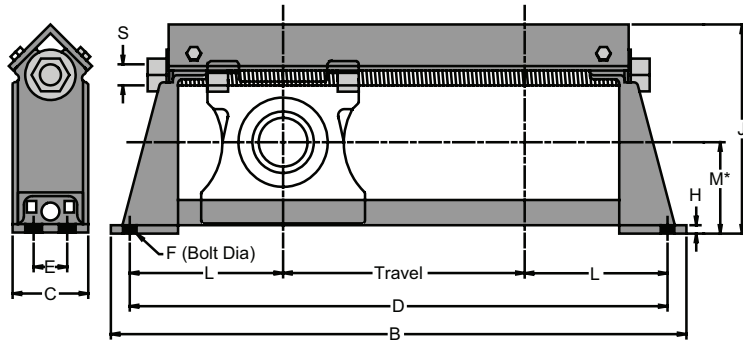
Size	Travel	Wt.	B	C	D	E	F Bolt Dia	# of Bolts	G	J	L	M	P	S Rod Dia	W Bar Width
PWS100	1 1/2	5	7 1/2	7 5/16	5 3/8	5 9/16	7/16	4	2 15/16	2	1	1 1/16	3 1/16	5/8	7/16
	3	6	9		6 7/8			4							
	6	7	12		4 15/16			6							
	9	8	15		6 7/16			6							
	12	10	18		7 15/16			6							
PWS108	3	6	9 1/8	7 13/16	6 7/16	6 1/16	7/16	4	3 11/16	2	1	1 1/4	3 9/16	3/4	7/16
	6	8	12 1/8		9 7/16			4							
	9	9	15 1/8		6 7/32			6							
	12	10	18 1/8		7 23/32			6							
	18	14	24 1/8		10 23/32			6							
PWS200	3	11	10 3/4	8 9/16	8 1/2	7 5/16	1/2	4	4 5/16	2 1/2	1 1/8	1 7/16	4 1/16	1	5/8
	6	13	13 3/4		11 1/2			4							
	9	16	16 3/4		7 1/4			6							
	12	18	19 3/4		8 3/4			6							
	18	25	25 3/4		11 3/4			6							
	24	29	31 3/4		14 3/4			6							
PWS208	3	17	11 3/4	10 11/16	9 1/2	8 5/8	9/16	4	5 11/16	3	1 1/8	1 1/2	5 3/16	1 1/4	1
	6	20	14 3/4		12 1/2			4							
	9	24	17 3/4		15 1/2			4							
	12	28	20 3/4		9 1/4			6							
	18	35	26 3/4		12 1/4			6							
	24	43	32 3/4		15 1/4			6							
	30	50	38 3/4		18 1/4			6							
PWS300	9	41	20 7/8	12	17 1/2	10 1/4	5/8	4	6 1/2	3 1/2	2 1/2	2	6	1 1/2	1
	12	46	23 7/8		10 1/4			6							
	18	57	29 7/8		13 1/4			6							
	24	67	35 7/8		16 1/4			6							
	30	78	41 7/8		19 1/4			6							
PWS308	9	42	20 7/8	12 9/16	17 1/2	10 13/16	5/8	4	6 1/2	3 1/2	2 1/2	2	6 9/16	1 1/2	1
	12	47	23 7/8		10 1/4			6							
	18	58	29 7/8		13 1/4			6							
	24	68	35 7/8		16 1/4			6							
	30	79	41 7/8		19 1/4			6							

- Symmetrical foot mounted frame; pull or install from either direction
- In-line frame; rod force is at the center line of the bearing
- Can be retro-fitted to a standard hydraulic cylinder (NFPA #MF1)
- Stainless steel threaded rods are available



Size	Travel	Wt.	B	C	D	E	F Bolt Dia	H	J	L	M	P	S Rod Dia	Actual Travel	W Bar Width
PCP108	12	31	28	3	26	N/A	1/2	1	6 7/8	5 1/8	3 7/16	3 9/16	3/4	16 1/8	7/16
	18	36	34		32									22 1/8	
	24	42	40		38									28 1/8	
	30	46	46		44									34 1/8	
	36	52	52		50									40 1/8	
PCP200	12	52	29 1/2	4	27 1/2	N/A	5/8	1 1/8	8 1/4	6 1/16	3 15/16	4 1/16	1	15 13/16	5/8
	18	59	35 1/2		33 1/2									21 13/16	
	24	67	41 1/2		39 1/2									27 13/16	
	30	74	47 1/2		45 1/2									33 13/16	
	36	85	53 1/2		51 1/2									39 13/16	
PCP203	12	54	29 1/2	4	27 1/2	N/A	5/8	1 1/8	9 1/4	6 11/16	4 7/16	4 9/16	1 1/8	15 1/16	3/4
	18	59	35 1/2		33 1/2									21 1/16	
	24	68	41 1/2		39 1/2									27 1/16	
	30	77	47 1/2		45 1/2									33 1/16	
	36	85	53 1/2		51 1/2									39 1/16	
PCP208	12	60	30 1/2	4	28 1/2	N/A	3/4	1 3/16	9 1/2	7 1/16	4 3/8	5 3/16	1 1/4	15 1/2	1
	18	70	36 1/2		34 1/2									21 1/2	
	24	80	42 1/2		40 1/2									27 1/2	
	30	90	48 1/2		46 1/2									33 1/2	
	36	100	54 1/2		52 1/2									39 1/2	
PCP300	12	107	32 1/2	5	30 1/2	2	5/8	7/8	11 1/4	7 13/16	5 1/8	6	1 1/2	16 1/16	1 3/4
	18	129	38 1/2		36 1/2									22 1/16	
	24	145	44 1/2		42 1/2									28 1/16	
	30	162	50 1/2		48 1/2									34 1/16	
	36	183	56 1/2		54 1/2									40 1/16	
PCP308	12	120	34 1/4	5	32	2	3/4	1	12 1/8	8 9/16	5 5/8	6 7/8	1 3/4	16 5/16	1 3/4
	18	137	40 1/4		38									22 5/16	
	24	154	46 1/4		44									28 5/16	
	30	172	52 1/4		50									34 5/16	
	36	190	58 1/4		56									40 5/16	
PCP400 PCP400LB	12	183	38 1/2	6	36	2 1/2	3/4	1 1/4	14 13/16	10 3/4	7	8 11/16	2 (1 3/4 LB)	16 9/16	2
	18	207	44 1/2		42									22 9/16	
	24	231	50 1/2		48									28 9/16	
	30	255	56 1/2		54									34 9/16	
	36	278	62 1/2		60									40 9/16	
PCP408	12	278	45 3/4	9	40 3/4	5	1 1/8	1 1/4	16 1/16	11 15/16	7 1/2	9 9/16	2	18 13/16	2
	18	307	51 3/4		46 3/4									24 13/16	
	24	336	57 3/4		52 3/4									30 13/16	
	30	365	63 3/4		58 3/4									36 13/16	
	36	395	69 3/4		64 3/4									42 13/16	
PCP500	12	340	49 1/2	10	44 1/2	5 1/2	1 1/8	1 1/2	17 1/16	13 5/8	8 1/8	10 5/16	2 1/4	20	2
	18	368	55 1/2		50 1/2									26	
	24	398	61 1/2		56 1/2									32	
	30	429	67 1/2		62 1/2									38	
	36	459	73 1/2		68 1/2									44	

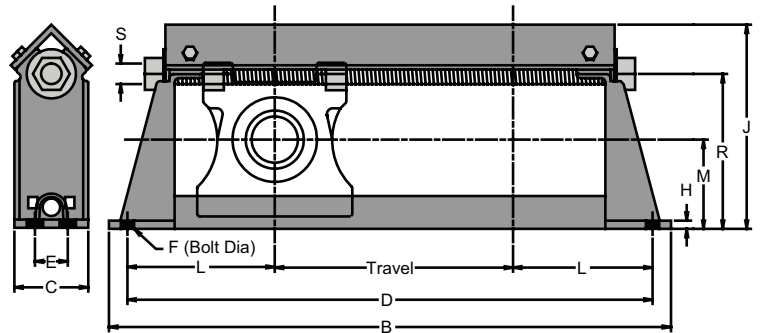
PRECISION PROTECTED ANGLE (PPA)



- Protected top angle take-up frame
- Fits channel bottom housings (SFK & Linkbelt)
- Frame can be disassembled and reassembled around housing
- Stainless steel threaded rods are available

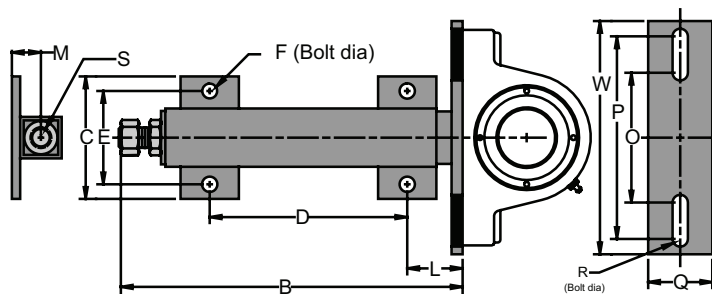
Size	Travel	Wt.	B	C	D	E	F Bolt Dia	H	J	L	M	S Rod Dia	Actual Travel
PPA200	12	28	28 1/2	3 1/2	26 1/2	N/A	5/8	1/2	8 1/2	6 1/4	3 15/16	3/4	14
	18	34	34 1/2		32 1/2								20
	24	38	40 1/2		38 1/2								26
PPA203	12	32	29 1/2	3 1/2	27 1/2	N/A	5/8	1/2	9 1/8	6 5/8	4 3/16	3/4	14 1/4
	18	38	35 1/2		33 1/2								20 1/4
	24	43	41 1/2		39 1/2								26 1/4
PPA208	12	42	30 1/2	4	28 1/2	N/A	3/4	1/2	10	7 1/4	4 3/8	7/8	14
	18	49	36 1/2		34 1/2								20
	24	56	42 1/2		40 1/2								26
	30	64	48 1/2		46 1/2								32
	36	71	54 1/2		52 1/2								38
PPA300	12	52	32 1/2	4 1/2	30 1/2	2	5/8	1/2	11	7 3/4	5 1/8	1	15
	18	61	38 1/2		36 1/2								21
	24	70	44 1/2		42 1/2								27
	30	79	50 1/2		48 1/2								33
	36	87	56 1/2		54 1/2								39
PPA308	12	61	34 1/4	4 1/2	32	2	3/4	1/2	12 3/8	8 15/16	5 5/8	1 1/8	15
	18	71	40 1/4		38								21
	24	81	46 1/4		44								27
	30	91	52 1/4		50								33
	36	100	58 1/4		56								39
	42	110	64 1/4		62								45
	48	119	70 1/4		68								51
PPA400	12	90	38 1/2	5 1/2	36	2 1/2	3/4	3/4	14 1/2	10 3/8	7	1 1/4	15 1/4
	18	102	44 1/2		42								21 1/4
	24	112	50 1/2		48								27 1/4
	30	124	56 1/2		54								33 1/4
	36	134	62 1/2		60								39 1/4
	42	144	68 1/2		66								45 1/4
	48	154	74 1/2		72								51 1/4
PPA408	12	91	38 1/2	5 1/2	36	2 1/2	3/4	3/4	15 3/4	10 3/8	7 1/2	1 1/4	15 1/4
	18	103	44 1/2		42								21 1/4
	24	113	50 1/2		48								27 1/4
	30	125	56 1/2		54								33 1/4
	36	135	62 1/2		60								39 1/4
	42	145	68 1/2		66								45 1/4
	48	155	74 1/2		72								51 1/4

- Protected top angle take-up frame
- Fits round bottom housings (Dodge & Linkbelt Type E)
- Frame can be disassembled and reassembled around housing
- Stainless steel threaded rods are available



Size	Travel	Wt.	B	C	D	E	F Bolt Dia	H	J	L	M	R	S Rod Dia	Actual Travel
PTA200	12	25	28 1/2	3 1/2	26 1/2	N/A	5/8	1/2	8 1/2	6 1/4	3 15/16	6 1/4	3/4	14
	18	29	34 1/2		32 1/2									20
	24	33	40 1/2		38 1/2									26
PTA203	12	32	29 1/2	3 1/2	27 1/2	N/A	5/8	1/2	9 1/8	6 5/8	4 3/16	6 3/4	3/4	14 1/4
	18	38	35 1/2		33 1/2									20 1/4
	24	44	41 1/2		39 1/2									26 1/4
PTA208	12	42	30 1/2	4	28 1/2	N/A	3/4	1/2	10	7 1/4	4 3/8	7 3/8	1	14
	18	49	36 1/2		34 1/2									20
	24	56	42 1/2		40 1/2									26
	30	64	48 1/2		46 1/2									32
	36	71	54 1/2		52 1/2									38
PTA300	12	47	32 1/2	4 1/2	30 1/2	2	5/8	1/2	11	7 3/4	4 15/16	8 3/8	1	15
	18	53	38 1/2		36 1/2									21
	24	60	44 1/2		42 1/2									27
	30	67	50 1/2		48 1/2									33
	36	73	56 1/2		54 1/2									39
PTA308	12	54	34 1/4	4 1/2	32	2	3/4	1/2	12 3/8	8 15/16	5 7/16	9 1/4	1 1/4	15
	18	61	40 1/4		38									21
	24	69	46 1/4		44									27
	30	75	52 1/4		50									33
	36	83	58 1/4		56									39
	42	91	64 1/4		62									45
	48	98	70 1/4		68									51
PTA400	12	81	38 1/2	5 1/2	36	2 1/2	3/4	3/4	14 1/2	10 3/8	7	11 1/4	1 1/4	15 1/4
	18	89	44 1/2		42									21 1/4
	24	97	50 1/2		48									27 1/4
	30	106	56 1/2		54									33 1/4
	36	114	62 1/2		60									39 1/4
	42	122	68 1/2		66									45 1/4
	48	130	74 1/2		72									51 1/4

PRECISION SLIDE TUBE (PST)



- Slide tube design - Protects the screw from environment
- Side mount for unit ball & roller bearing pillow blocks
- Standard grease zerk – fills the square tube to protect the screw
- In-line frame; rod force is at the center line of the bearing
- Pillow block mounting bolts are not included
- Stainless steel threaded rods are available

Frame	Travel	Weight	B	C	D	E	F Bolt Dia	L	M	O	P	Q	R Bolt Dia	S Rod Dia	W	Slide Square Tube Size	Base Square Tube Size
PST250	3	5	9 3/4	4	4 3/8	3	1/2	2	11/8	3 1/16	5 15/16	2	5/8	3/4	7	1 1/2	1 3/4
	6	7	12 3/4		7 3/8												
	9	8	15 3/4		10 3/8												
	12	9	18 3/4		13 3/8												
PST300	6	16	15 5/8	5 1/4	6 1/8	4	5/8	2 3/8	1 1/2	5 9/16	8 11/16	2 3/4	3/4	1	10	2 1/4	2 1/2
	9	18	18 5/8		10 1/8												
	12	21	21 5/8		14 1/8												
	18	26	27 5/8		21 1/8												
PST350	9	24	19 9/16	6	12 5/8	4 1/2	5/8	2 1/2	1 3/4	5 9/16	8 11/16	3	3/4	1	10	2 1/2	3
	12	28	22 9/16		15 5/8												
	18	35	28 9/16		21 5/8												
	24	43	34 9/16		27 5/8												
PST400	12	52	29 3/4	7 1/2	20	5 1/2	3/4	3 1/2	2 1/8	8 1/2	11 3/4	3 1/2	7/8	1 1/2	14	3	3 1/2
	18	62	35 3/4		26												
	24	72	41 3/4		32												
	36	92	53 3/4		44												
	48	112	65 3/4		56												
PST500	18	216	43 7/8	11 1/2	31	9	1	3 7/8	3 1/2	Drilled to Order	Drilled to Order	7	Drilled to Order	2	20	5	6
	24	243	49 7/8		37												
	36	299	61 7/8		49												



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