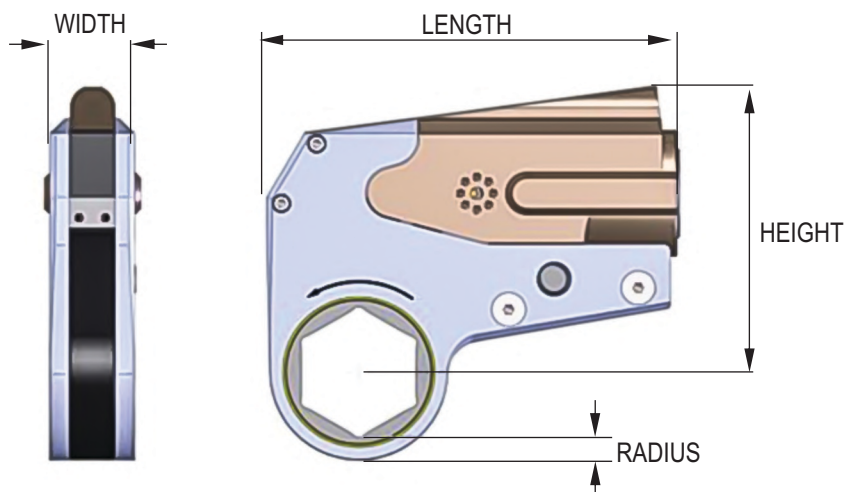


## PHX SERIES LOW CLEARANCE TYPE



### FEATURES :

- ▶ Cylinder and cassette both are manufactured from high grade alloy to provide durability and high strength.
- ▶ Innovative Design – Cylinder and link width are equal for tight fits.
- ▶ Multi tooth Ratchet made out of strong marginal steel provides strength, accuracy and upto 32° torque stroke.
- ▶ Constant torque output provides accuracy of  $\pm 3\%$  across full stroke.
- ▶ In-Line reaction pad assures torsion free reaction every time.
- ▶ Unique Cylinder design which fit both the cylinder and link in confined areas.
- ▶ Never Lock Drive Segment ensures tool will never lock on.
- ▶ Auto Engagement Rod allows automatically engagement of link on the first stroke.
- ▶ One Piece Drive Plate made of robust alloy is suitable to fit in small nose radius.
- ▶ Single Link Pin facilitates link to cylinder engagement without any other tools.
- ▶ Steel Alignment Pin assures equal load displacement between side plates.
- ▶ 360° X 180° Swivel design allows wrench to sit on almost all applications.
- ▶ Curved Slider prevents wear of piston and drive plate and reduces cost of repairs.
- ▶ Tight nose radius allows this tool to fit on limited access applications also.



# HYDRAULIC TORQUE WRENCH (HEX TYPE)

## PHX-0.75

Drive Unit Model No.	Torque Capacity		Link Width (mm)	Radius (mm)	Height (mm)	Length (mm)	Drive Unit Weight (Kgs.)	Link Weight Range (Kgs.)
PHX-0.75	55-665 Nm	41-490 Lb. Ft.	18	5.8-11.0	83	108	0.38	0.47 - 0.47

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
RL13-0.75	13	RL 1/2-0.75	1/2"
RL14-0.75	14	RL 9/16-0.75	9/16"
RL17-0.75	17	RL 5/8-0.75	5/8"
		RL 11/16-0.75	11/16"
RL19-0.75	19	RL 3/4-0.75	3/4"
		RL 13/16-0.75	13/16"
RL22-0.75	22	RL 7/8-0.75	7/8"
RL24-0.75	24	RL 15/16-0.75	15/16"
		RL 1-0.75	1"
RL27-0.75	27	RL 1.1/16-0.75	1.1/16"

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
		RL 1.1/8-0.75	1.1/8"
RL30-0.75	30	RL 1.3/16-0.75	1.3/16"
RL32-0.75	32	RL 1.1/4-0.75	1.1/4"
		RL 1.5/16-0.75	1.5/16"
		RL 1.3/8-0.75	1.3/8"
RL36-0.75	36	RL 1.7/160.75	1.7/16"
		RL 1.1/2-0.75	1.1/2"
		RL 1.9/16-0.75	1.9/16"
RL41-0.75	41	RL 1.5/8-0.75	1.5/8"

## PHX-1

Drive Unit Model No.	Torque Capacity		Link Width (mm)	Radius (mm)	Height (mm)	Length (mm)	Drive Unit Weight (Kgs.)	Link Weight Range (Kgs.)
PHX-1	61-760 Nm	45-560 Lb. Ft.	20	5.8-11.0	83	111	0.50	0.50 - 0.50

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
RL13-1	13	RL 1/2-1	1/2"
RL14-1	14	RL 9/16-1	9/16"
RL17-1	17	RL 5/8-1	5/8"
		RL 11/16-1	11/16"
RL19-1	19	RL 3/4-1	3/4"
		RL 13/16-1	13/16"
RL22-1	22	RL 7/8-1	7/8"
RL24-1	24	RL 15/16-1	15/16"
		RL 1-1	1"
RL27-1	27	RL 1.1/16-1	1.1/16"

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
		RL 1.1/8-0.75	1.1/8"
RL30-1	30	RL 1.3/16-0.75	1.3/16"
RL32-1	32	RL 1.1/4-0.75	1.1/4"
		RL 1.5/16-0.75	1.5/16"
		RL 1.3/8-0.75	1.3/8"
RL36-1	36	RL 1.7/160.75	1.7/16"
		RL 1.1/2-0.75	1.1/2"
		RL 1.9/16-0.75	1.9/16"
RL41-1	41	RL 1.5/8-0.75	1.5/8"

## PHX-1.5

Drive Unit Model No.	Torque Capacity		Link Width (mm)	Radius (mm)	Height (mm)	Length (mm)	Drive Unit Weight (Kgs.)	Link Weight Range (Kgs.)
PHX-1.5	135-1350 Nm	100-995 Lb. Ft.	28	7.5 - 12.0	87	107	0.55	0.60 - 0.90

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
RL19-1.5	19	RL 3/4-1.5	3/4"
		RL 13/16-1.5	13/16"
RL22-1.5	22	RL 7/8-1.5	7/8"
RL24-1.5	24	RL 15/16-1.5	15/16"
		RL 1-1.5	1"
RL27-1.5	27	RL 1.1/16-1.5	1.1/16"
		RL 1.1/8-1.5	1.1/8"
RL30-1.5	30	RL 1.3/16-1.5	1.3/16"
RL32-1.5	32	RL 1.1/4-1.5	1.1/4"

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
		RL 1.5/16-1.5	1.5/16"
		RL 1.3/8-1.5	1.3/8"
RL36-1.5	36	RL 1.7/16-1.5	1.7/16"
RL38-1.5	38	RL 1.1/2-1.5	1.1/2"
		RL 1.9/16-1.5	1.9/16"
RL41-1.5	41	RL 1.5/8-1.5	1.5/8"
		RL 1.11/16-1.5	1.11/16"
		RL 1.3/4-1.5	1.3/4"
RL46-1.5	46	RL 1.13/16-1.5	1.13/16"

## PHX-2

Drive Unit Model No.	Torque Capacity		Link Width (mm)	Radius (mm)	Height (mm)	Length (mm)	Drive Unit Weight (Kgs.)	Link Weight Range (Kgs.)
PHX-2	260-2614 Nm	192-1928 Lb. Ft.	32	9.3-15.0	103	167	1.59	1.09-1.59

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
RL19-2	19	RL 3/4-2	3/4"
		RL 13/16-2	13/16"
RL22-2	22	RL 7/8-2	7/8"
RL24-2	24	RL 15/16-2	15/16"
		RL 1-2	1"
RL27-2	27	RL 1.1/16-2	1.1/16"
		RL 1.1/8-2	1.1/8"
RL30-2	30	RL 1.3/16-2	1.3/16"
RL32-2	32	RL 1.1/4-2	1.1/4"
		RL 1.5/16-2	1.5/16"
		RL 1.3/8-2	1.3/8"
RL36-2	36	RL 1.7/16-2	1.7/16"
RL38-2	38	RL 1.1/2-2	1.1/2"
		RL 1.9/16-2	1.9/16"

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
RL41-2	41	RL 1.5/8-2	1.5/8"
		RL 1.11/16-2	1.11/16"
		RL 1.3/4-2	1.3/4"
RL46-2	46	RL 1.13/16-2	1.13/16"
		RL 1.7/8-2	1.7/8"
		RL 1.15/16-2	1.15/16"
RL50-2	50	RL 2-2	2"
		RL 2.1/16-2	2.1/16"
		RL 2.1/8-2	2.1/8"
RL55-2	55	RL 2.3/16-2	2.3/16"
		RL 2.1/4-2	2.1/4"
		RL 2.5/16-2	2.5/16"
RL60-2	60	RL 2.3/8-2	2.3/8"

# HYDRAULIC TORQUE WRENCH (HEX TYPE)

## PHX-4

Drive Unit Model No.	Torque Capacity		Link Width (mm)	Radius (mm)	Height (mm)	Length (mm)	Drive Unit Weight (Kgs.)	Link Weight Range (Kgs.)
PHX-4	540-5355 Nm	395-3950 Lb. Ft.	42	11.85-18.0	144	203	2.73	2.45-3.45

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
		RL 1-4	1"
RL27-4	27	RL 1.1/16-4	1.1/16"
		RL 1.1/8-4	1.1/8"
RL30-4	30	RL 1.3/16-4	1.3/16"
RL32-4	32	RL 1.1/4-4	1.1/4"
		RL 1.5/16-4	1.5/16"
		RL 1.3/8-4	1.3/8"
RL36-4	36	RL 1.7/16-4	1.7/16"
RL38-4	38	RL 1.1/2-4	1.1/2"
		RL 1.9/16-4	1.9/16"
RL41-4	41	RL 1.5/8-4	1.5/8"
		RL 1.11/16-4	1.11/16"
		RL 1.3/4-4	1.3/4"
RL46-4	46	RL 1.13/16-4	1.13/16"
		RL 1.7/8-4	1.7/8"
		RL 1.15/16-4	1.15/16"
RL50-4	50	RL 2-4	2"
		RL 2.1/16-4	2.1/16"

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
		RL 2.1/8-4	2.1/8"
RL55-4	55	RL 2.3/16-4	2.3/16"
		RL 2.1/4-4	2.1/4"
		RL 2.5/16-4	2.5/16"
RL60-4	60	RL 2.3/8-4	2.3/8"
		RL 2.7/16-4	2.7/16"
		RL 2.1/2-4	2.1/2"
RL65-4	65	RL 2.9/16-4	2.9/16"
		RL 2.5/8-4	2.5/8"
		RL 2.11/16-4	2.11/16"
RL70-4	70	RL 2.3/4-4	2.3/4"
		RL 2.13/16-4	2.13/16"
		RL 2.7/8-4	2.7/8"
RL75-4	75	RL 2.15/16-4	2.15/16"
		RL 3-4	3"
		RL 3.1/16-4	3.1/16"
RL80-4	80	RL 3.1/8-4	3.1/8"

## PHX-6

Drive Unit Model No.	Torque Capacity		Link Width (mm)	Radius (mm)	Height (mm)	Length (mm)	Drive Unit Weight (Kgs.)	Link Weight Range (Kgs.)
PHX-6	870-8700 Nm	645-6450 Lb. Ft.	53	12.9-16.5	165	245	3.70	3.30-4.30

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
RL36-6	36	RL 1.7/16-6	1.7/16"
RL38-6	38	RL 1.1/2-6	1.1/2"
		RL 1.9/16-6	1.9/16"
RL41-6	41	RL 1.5/8-6	1.5/8"
		RL 1.11/16-6	1.11/16"
		RL 1.3/4-6	1.3/4"
RL46-6	46	RL 1.13/16-6	1.13/16"
		RL 1.7/8-6	1.7/8"
		RL 1.15/16-6	1.15/16"
RL50-6	50	RL 2-6	2"
		RL 2.1/16-6	2.1/16"
		RL 2.1/8-6	2.1/8"
RL55-6	55	RL 2.3/16-6	2.3/16"
		RL 2.1/4-6	2.1/4"
		RL 2.5/16-6	2.5/16"
RL60-6	60	RL 2.3/8-6	2.3/8"
		RL 2.7/16-6	2.7/16"

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
		RL 2.1/2-6	2.1/2"
RL65-6	65	RL 2.9/16-6	2.9/16"
		RL 2.5/8-6	2.5/8"
		RL 2.11/16-6	2.11/16"
RL70-6	70	RL 2.3/4-6	2.3/4"
		RL 2.13/16-6	2.13/16"
		RL 2.7/8-6	2.7/8"
RL75-6	75	RL 2.15/16-6	2.15/16"
		RL 3-6	3"
		RL 3.1/16-6	3.1/16"
RL80-6	80	RL 3.1/8-6	3.1/8"
		RL 3.3/16-6	3.3/16"
		RL 3.1/4-6	3.1/4"
		RL 3.5/16-6	3.5/16"
RL85-6	85	RL 3.3/8-6	3.3/8"
		RL 3.7/16-6	3.7/16"
RL90-6	90	RL 3.1/2-6	3.1/2"

## PHX-8

Drive Unit Model No.	Torque Capacity		Link Width (mm)	Radius (mm)	Height (mm)	Length (mm)	Drive Unit Weight (Kgs.)	Link Weight Range (Kgs.)
PHX-8	1125-11700 Nm	830-8630 Lb. Ft.	57	13.9-21.0	180	253	5.32	5.41-6.59

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
		RL 1.7/8-8	1.7/8"
		RL 1.15/16-8	1.15/16"
RL50-8	50	RL 2-8	2"
		RL 2.1/16-8	2.1/16"
		RL 2.1/8-8	2.1/8"
RL55-8	55	RL 2.3/16-8	2.3/16"
		RL 2.1/4-8	2.1/4"
		RL 2.5/16-8	2.5/16"
RL60-8	60	RL 2.3/8-8	2.3/8"
		RL 2.7/16-8	2.7/16"
		RL 2.1/2-8	2.1/2"
RL65-8	65	RL 2.9/16-8	2.9/16"
		RL 2.5/8-8	2.5/8"
		RL 2.11/16-8	2.11/16"
RL70-8	70	RL 2.3/4-8	2.3/4"
		RL 2.13/16-8	2.13/16"
		RL 2.7/8-8	2.7/8"
RL75-8	75	RL 2.15/16-8	2.15/16"
		RL 3-8	3"

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
		RL 3.1/16-8	3.1/16"
RL80-8	80	RL 3.1/8-8	3.1/8"
		RL 3.3/16-8	3.3/16"
		RL 3.1/4-8	3.1/4"
		RL 3.5/16-8	3.5/16"
RL85-8	85	RL 3.3/8-8	3.3/8"
		RL 3.7/16-8	3.7/16"
RL90-8	90	RL 3.1/2-8	3.1/2"
		RL 3.9/16-8	3.9/16"
		RL 3.5/8-8	3.5/8"
		RL 3.11/16-8	3.11/16"
RL95-8	95	RL 3.3/4-8	3.3/4"
		RL 3.13/16-8	3.13/16"
		RL 3.7/8-8	3.7/8"
		RL 3.15/16-8	3.15/16"
RL100-8	100	RL 4-8	4"
		RL 4.1/16-8	4.1/16"
RL105-8	105	RL 4.1/8-8	4.1/8"

# HYDRAULIC TORQUE WRENCH (HEX TYPE)

## PHX-12

Drive Unit Model No.	Torque Capacity		Link Width (mm)	Radius (mm)	Height (mm)	Length (mm)	Drive Unit Weight (Kgs.)	Link Weight Range (Kgs.)
PHX-12	2050-20500 Nm	1520-15200 Lb. Ft.	63	15.0-22.0	190	290	6.50	8.50-10.40

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
RL60-12	60	RL 2.3/8-12	2.3/8"
		RL 2.7/16-12	2.7/16"
		RL 2.1/2-12	2.1/2"
RL65-12	65	RL 2.9/16-12	2.9/16"
		RL 2.5/8-12	2.5/8"
		RL 2.11/16-12	2.11/16"
RL70-12	70	RL 2.3/4-12	2.3/4"
		RL 2.13/16-12	2.13/16"
		RL 2.7/8-12	2.7/8"
RL75-12	75	RL 2.15/16-12	2.15/16"
		RL 3-12	3"
		RL 3.1/16-12	3.1/16"
RL80-12	80	RL 3.1/8-12	3.1/8"
		RL 3.3/16-12	3.3/16"
		RL 3.1/4-12	3.1/4"

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
		RL 3.5/16-12	3.5/16"
RL85-12	85	RL 3.3/8-12	3.3/8"
		RL 3.7/16-12	3.7/16"
RL90-12	90	RL 3.1/2-12	3.1/2"
		RL 3.9/16-12	3.9/16"
		RL 3.5/8-12	3.5/8"
		RL 3.11/16-12	3.11/16"
RL95-12	95	RL 3.3/4-12	3.3/4"
		RL 3.13/16-12	3.13/16"
		RL 3.7/8-12	3.7/8"
		RL 3.15/16-12	3.15/16"
RL100-12	100	RL 4-12	4"
		RL 4.1/16-12	4.1/16"
RL105-12	105	RL 4.1/8-12	4.1/8"

## PHX-16

Drive Unit Model No.	Torque Capacity		Link Width (mm)	Radius (mm)	Height (mm)	Length (mm)	Drive Unit Weight (Kgs.)	Link Weight Range (Kgs.)
PHX-16	2115-22500 Nm	1560-16600 Lb. Ft.	63	16.8-26.0	194	330	7.27	9.55-12.73

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
RL65-16	65	RL 2.9/16-16	2.9/16"
		RL 2.5/8-16	2.5/8"
		RL 2.11/16-16	2.11/16"
RL70-16	70	RL 2.3/4-16	2.3/4"
		RL 2.13/16-16	2.13/16"
		RL 2.7/8-16	2.7/8"
RL75-16	75	RL 2.15/16-16	2.15/16"
		RL 3-16	3"
		RL 3.1/16-16	3.1/16"
RL80-16	80	RL 3.1/8-16	3.1/8"
		RL 3.3/16-16	3.3/16"
		RL 3.1/4-16	3.1/4"
		RL 3.5/16-16	3.5/16"
RL85-16	85	RL 3.3/8-16	3.3/8"
		RL 3.7/16-16	3.7/16"
RL90-16	90	RL 3.1/2-16	3.1/2"
		RL 3.9/16-16	3.9/16"

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
		RL 3.5/8-16	3.5/8"
		RL 3.11/16-16	3.11/16"
RL95-16	95	RL 3.3/4-16	3.3/4"
		RL 3.13/16-16	3.13/16"
		RL 3.7/8-16	3.7/8"
		RL 3.15/16-16	3.15/16"
RL100-16	100	RL 4-16	4"
		RL 4.1/16-16	4.1/16"
RL105-16	105	RL 4.1/8-16	4.1/8"
		RL 4.3/16-16	4.3/16"
		RL 4.1/4-16	4.1/4"
RL110-16	110	RL 4.5/16-16	4.5/16"
		RL 4.3/8-16	4.3/8"
		RL 4.7/16-16	4.7/16"
RL115-16	115	RL 4.1/2-16	4.1/2"
		RL 4.9/16-16	4.9/16"
		RL 4.5/8-16	4.5/8"

## PHX-27

Drive Unit Model No.	Torque Capacity		Link Width (mm)	Radius (mm)	Height (mm)	Length (mm)	Drive Unit Weight (Kgs.)	Link Weight Range (Kgs.)
PHX-27	3750-37500 Nm	2770-27700 Lb. Ft.	73	20.35-35.0	245	370	9.00	11.00-13.10

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
RL75-27	75	RL 2.15/16-27	2.15/16"
		RL 3-27	3"
		RL 3.1/16-27	3.1/16"
RL80-27	80	RL 3.1/8-27	3.1/8"
		RL 3.3/16-27	3.3/16"
		RL 3.1/4-27	3.1/4"
		RL 3.5/16-27	3.5/16"
RL85-27	85	RL 3.3/8-27	3.3/8"
		RL 3.7/16-27	3.7/16"
RL90-27	90	RL 3.1/2-27	3.1/2"
		RL 3.9/16-27	3.9/16"
		RL 3.5/8-27	3.5/8"
		RL 3.11/16-27	3.11/16"
RL95-27	95	RL 3.3/4-27	3.3/4"
		RL 3.13/16-27	3.13/16"
		RL 3.7/8-27	3.7/8"
		RL 3.15/16-27	3.15/16"
RL100-27	100	RL 4-27	4"
		RL 4.1/16-27	4.1/16"
RL105-27	105	RL 4.1/8-27	4.1/8"

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
		RL 4.3/16-27	4.3/16"
		RL 4.1/4-27	4.1/4"
RL110-27	110	RL 4.5/16-27	4.5/16"
		RL 4.3/8-27	4.3/8"
		RL 4.7/16-27	4.7/16"
RL115-27	115	RL 4.1/2-27	4.1/2"
		RL 4.9/16-27	4.9/16"
RL120-27	120	RL 4.5/8-27	4.5/8"
		RL 4.11/16-27	4.11/16"
		RL 4.3/4-27	4.3/4"
		RL 4.13/16-27	4.13/16"
		RL 4.7/8-27	4.7/8"
RL125-27	125	RL 4.15/16-27	4.15/16"
		RL 5-27	5"
		RL 5.1/16-27	5.1/16"
RL130-27	130	RL 5.1/8-27	5.1/8"
		RL 5.3/16-27	5.3/16"
		RL 5.1/4-27	5.1/4"
RL135-27	135	RL 5.5/16-27	5.5/16"

# HYDRAULIC TORQUE WRENCH (HEX TYPE)

## PHX-32

Drive Unit Model No.	Torque Capacity		Link Width (mm)	Radius (mm)	Height (mm)	Length (mm)	Drive Unit Weight (Kgs.)	Link Weight Range (Kgs.)
PHX-32	4365-48335 Nm	3220-35650 Lb. Ft.	82	23.75-45.0	278	390	1182	13.18-17.95

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
RL80-32	80	RL 3.1/8-32	3.1/8"
		RL 3.3/16-32	3.3/16"
		RL 3.1/4-32	3.1/4"
RL85-32	85	RL 3.5/16-32	3.5/16"
		RL 3.3/8-32	3.3/8"
		RL 3.7/16-32	3.7/16"
RL90-32	90	RL 3.1/2-32	3.1/2"
		RL 3.9/16-32	3.9/16"
		RL 3.5/8-32	3.5/8"
		RL 3.11/16-32	3.11/16"
RL95-32	95	RL 3.3/4-32	3.3/4"
		RL 3.13/16-32	3.13/16"
		RL 3.7/8-32	3.7/8"
		RL 3.15/16-32	3.15/16"
RL100-32	100	RL 4-32	4"
		RL 4.1/16-32	4.1/16"
RL105-32	105	RL 4.1/8-32	4.1/8"
		RL 4.3/16-32	4.3/16"
		RL 4.1/4-32	4.1/4"
RL110-32	110	RL 4.5/16-32	4.5/16"
		RL 4.3/8-32	4.3/8"
		RL 4.7/16-32	4.7/16"
RL115-32	115	RL 4.1/2-32	4.1/2"
		RL 4.9/16-32	4.9/16"
RL120-32	120	RL 4.5/8-32	4.5/8"

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
		RL 4.11/16-32	4.11/16"
		RL 4.3/4-32	4.3/4"
		RL 4.13/16-32	4.13/16"
		RL 4.7/8-32	4.7/8"
RL125-32	125	RL 4.15/16-32	4.15/16"
		RL 5-32	5"
		RL 5.1/16-32	5.1/16"
RL130-32	130	RL 5.1/8-32	5.1/8"
		RL 5.3/16-32	5.3/16"
		RL 5.1/4-32	5.1/4"
RL135-32	135	RL 5.5/16-32	5.5/16"
		RL 5.3/8-32	5.3/8"
		RL 5.7/16-32	5.7/16"
RL140-32	140	RL 5.1/2-32	5.1/2"
		RL 5.9/16-32	5.9/16"
		RL 5.5/8-32	5.5/8"
		RL 5.11/16-32	5.11/16"
RL145-32	145	RL 5.3/4-32	5.3/4"
		RL 5.13/16-32	5.13/16"
RL150-32	150	RL 5.7/8-32	5.7/8"
		RL 5.15/16-32	5.15/16"
		RL 6-32	6"
		RL 6.1/16-32	6.1/16"
RL155-32	155	RL 6.1/8-32	6.1/8"

## PHX-45

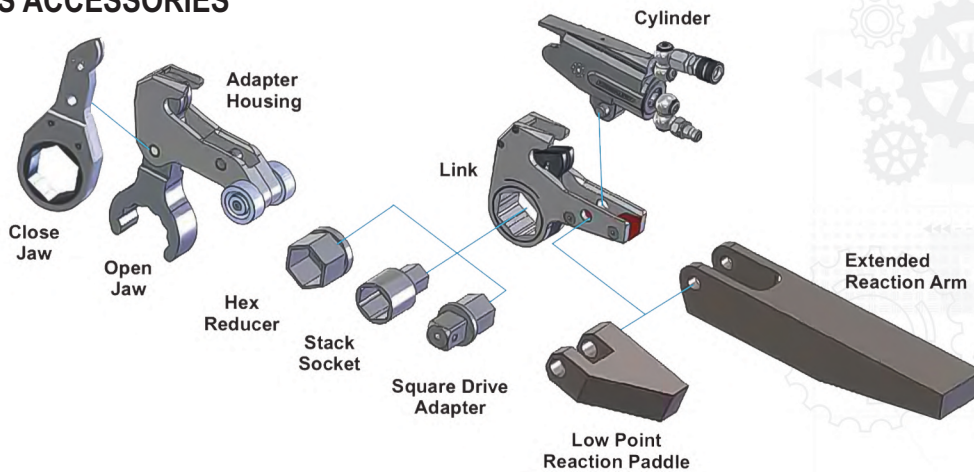
Drive Unit Model No.	Torque Capacity		Link Width (mm)	Radius (mm)	Height (mm)	Length (mm)	Drive Unit Weight (Kgs.)	Link Weight Range (Kgs.)
PHX-45	6600-65595 Nm	4865-47380 Lb. Ft.	82	23.75-45.0	278	450	13.7	15.20-20.10

Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
RL80-45	80	RL 3.1/8-45	3.1/8"
		RL 3.3/16-45	3.3/16"
		RL 3.1/4-45	3.1/4"
RL85-45	85	RL 3.5/16-45	3.5/16"
		RL 3.3/8-45	3.3/8"
		RL 3.7/16-45	3.7/16"
RL90-45	90	RL 3.1/2-45	3.1/2"
		RL 3.9/16-45	3.9/16"
		RL 3.5/8-45	3.5/8"
		RL 3.11/16-45	3.11/16"
RL95-45	95	RL 3.3/4-45	3.3/4"
		RL 3.13/16-45	3.13/16"
		RL 3.7/8-45	3.7/8"
		RL 3.15/16-45	3.15/16"
RL100-45	100	RL 4-45	4"
		RL 4.1/16-45	4.1/16"
RL105-45	105	RL 4.1/8-45	4.1/8"
		RL 4.3/16-45	4.3/16"
		RL 4.1/4-45	4.1/4"
RL110-45	110	RL 4.5/16-45	4.5/16"
		RL 4.3/8-45	4.3/8"
		RL 4.7/16-45	4.7/16"
RL115-45	115	RL 4.1/2-45	4.1/2"
		RL 4.9/16-45	4.9/16"
RL120-45	120	RL 4.5/8-45	4.5/8"
		RL 4.11/16-45	4.11/16"
		RL 4.3/4-45	4.3/4"
		RL 4.13/16-45	4.13/16"
		RL 4.7/8-45	4.7/8"
RL125-45	125	RL 4.15/16-45	4.15/16"
		RL 5-45	5"
		RL 5.1/16-45	5.1/16"
RL130-45	130	RL 5.1/8-45	5.1/8"
		RL 5.3/16-45	5.3/16"
		RL 5.1/4-45	5.1/4"
RL135-45	135	RL 5.5/16-45	5.5/16"
		RL 5.3/8-45	5.3/8"
		RL 5.7/16-45	5.7/16"
RL140-45	140	RL 5.1/2-45	5.1/2"
		RL 5.9/16-45	5.9/16"

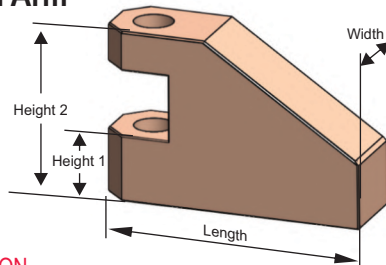
Ratchet Link Model No.	Hex size (mm)	Ratchet Link Model No.	Hex size (Inch)
		RL 5.5/8-45	5.5/8"
		RL 5.11/16-45	5.11/16"
RL145-45	145	RL 5.3/4-45	5.3/4"
		RL 5.13/16-45	5.13/16"
RL150-45	150	RL 5.7/8-45	5.7/8"
		RL 5.15/16-45	5.15/16"
		RL 6-45	6"
		RL 6.1/16-45	6.1/16"
RL155-45	155	RL 6.1/8-45	6.1/8"
		RL 6.3/16-45	6.3/16"
		RL 6.1/4-45	6.1/4"
RL160-45	160	RL 6.5/16-45	6.5/16"
		RL 6.3/8-45	6.3/8"
		RL 6.7/16-45	6.7/16"
RL165-45	165	RL 6.1/2-45	6.1/2"
		RL 6.9/16-45	6.9/16"
		RL 6.5/8-45	6.5/8"
RL170-45	170	RL 6.11/16-45	6.11/16"
		RL 6.3/4-45	6.3/4"
		RL 6.13/16-45	6.13/16"
RL175-45	175	RL 6.7/8-45	6.7/8"
		RL 6.15/16-45	6.15/16"
		RL 7-45	7"
		RL 7.1/16-45	7.1/16"
RL180-45	180	RL 7.1/8-45	7.1/8"
		RL 7.3/16-45	7.3/16"
		RL 7.1/4-45	7.1/4"
RL185-45	185	RL 7.5/16-45	7.5/16"
		RL 7.3/8-45	7.3/8"
		RL 7.7/16-45	7.7/16"
RL190-45	190	RL 7.1/2-45	7.1/2"
		RL 7.9/16-45	7.9/16"
		RL 7.5/8-45	7.5/8"
RL195-45	195	RL 7.11/16-45	7.11/16"
		RL 7.3/4-45	7.3/4"
		RL 7.13/16-45	7.13/16"
RL200-45	200	RL 7.7/8-45	7.7/8"
		RL 7.15/16-45	7.15/16"
RL205-45	205	RL 8-45	8"



## PHX SERIES ACCESSORIES



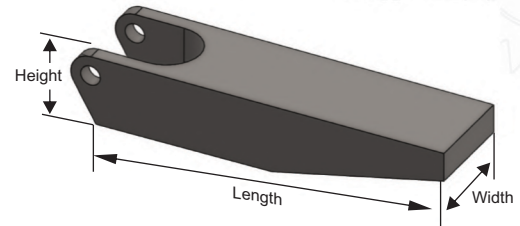
### Low Point Reaction Arm



#### TECHNICAL SPECIFICATION

Tool Model	Low Point Reaction Arm Model	Length mm	Width mm	Height 1 mm	Height 2 mm
PHX-0.75	PHX-0.75-RP	69.3	16.5	23.0	49.8
PHX-1	PHX-1-RP	69.3	16.5	23.0	49.8
PHX-2	PHX-2-RP	110.5	26.2	37.8	82.8
PHX-4	PHX-4-RP	143.5	31.2	51.32	107.4
PHX-6	PHX-6-RP	155.0	38.0	58.0	120.0
PHX-8	PHX-8-RP	181.6	45.2	64.3	136.0
PHX-12	PHX-12-RP	210.0	55.0	71.0	150.0
PHX-16	PHX-16-RP	230.0	63.8	77.2	161.5
PHX-27	PHX-27-RP	260.0	70.0	85.0	190.0
PHX-32	PHX-32-RP	284.5	82.8	100.3	210.5
PHX-45	PHX-45-RP	300.5	82.8	100.3	210.8

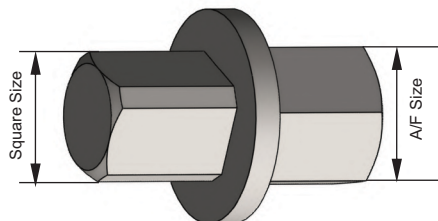
### Extended Reaction Arm



#### TECHNICAL SPECIFICATION

Tool Model	Extended Reaction Arm Model	Length mm	Height 1 mm	Width mm
PHX-1	PHX-1-EXT	343	31.8	31.8
PHX-2	PHX-2-RP	503	39	48.3
PHX-4	PHX-4-RP	515.4	52	61.0
PHX-6	PHX-6-RP	521.0	58.0	70.0
PHX-8	PHX-8-RP	529.6	64.0	77.0
PHX-12	PHX-12-RP	535	70.0	81.0
PHX-16	PHX-16-RP	546	77.2	92.7
PHX-27	PHX-27-RP	557	89.0	105.0
PHX-32	PHX-32-RP	566	100.3	114.8
PHX-45	PHX-45-RP	566	100.3	114.8

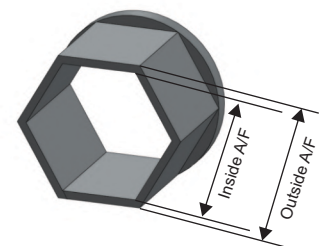
### Hex to Square Drive Adaptor



#### TECHNICAL SPECIFICATION

Tool Model	Adaptor Model	Square Size	Hex Size
PHX-0.75	AHS 075	1/2" OR 3/4"	13 - 41mm
PHX-1	AHS 1	1/2" OR 3/4"	13 - 41mm
PHX-1.5	AHS 1.5	3/4" OR 1"	19 - 46mm
PHX-2	AHS 2	3/4" OR 1"	19 - 60mm
PHX-4	AHS 4	1" OR 1.1/2"	27 - 80mm
PHX-6	AHS 6	1" OR 1.1/2"	36 - 90mm
PHX-8	AHS 8	1" OR 1.1/2"	55 - 105mm
PHX-12	AHS 12	1" OR 1.1/2"	60 - 105mm
PHX-16	AHS 16	1.1/2" OR 2.1/2"	65 - 115mm
PHX-27	AHS 27	1.1/2" OR 2.1/2"	75 - 135mm
PHX-32	AHS 32	1.1/2" OR 2.1/2"	80 - 155mm
PHX-45	AHS 45	1.1/2" OR 2.1/2"	80 - 155mm

### Hex Reducer



#### TECHNICAL SPECIFICATION

Tool Model	Adaptor Model	Male Size	Female Size
PHX-0.75	HR - 075 - ##	13 - 41mm	13 - 36mm
PHX-1	HR - 1 - ##	13 - 41mm	13 - 36mm
PHX-1.5	HR - 1.5 - ##	19 - 46mm	19 - 41mm
PHX-2	HR - 2 - ##	19 - 60mm	19 - 55mm
PHX-4	HR - 4 - ##	27 - 80mm	27 - 75mm
PHX-6	HR - 6 - ##	36 - 90mm	36 - 85mm
PHX-8	HR - 8 - ##	55 - 105mm	55 - 100mm
PHX-12	HR - 12 - ##	60 - 105mm	60 - 100mm
PHX-16	HR - 16 - ##	65 - 115mm	65 - 110mm
PHX-27	HR - 27 - ##	75 - 135mm	75 - 130mm
PHX-32	HR - 32 - ##	80 - 155mm	80 - 150mm
PHX-45	HR - 45 - ##	80 - 155mm	80 - 150mm