

The reaction pawl officially overcome the possibility of ratchet reversing opposite; enhance the efficiency and torque accuracy.

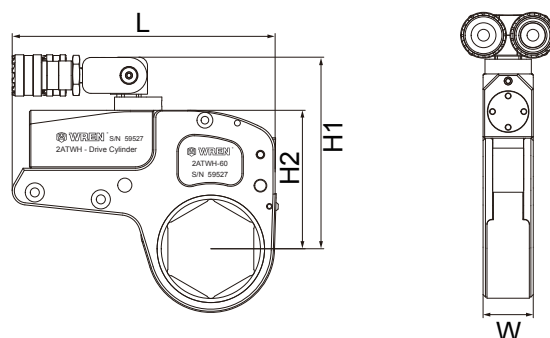
Radial power head can be changed into axial power head, adapt to different conditions

More accuracy and easier when the wrench direct operate on the nuts.

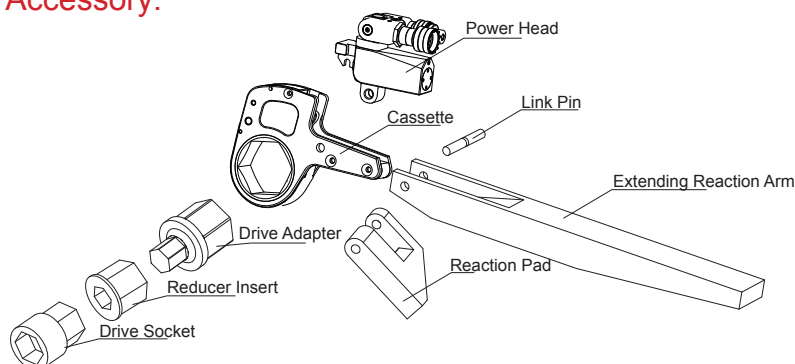
Compact design with longer arm fully advances the reliability.

- 700bar max working pressure; keep the accuracy $\pm 3\%$.
- 5 models with the range from 225-44593N.m
- 360°185 degree swivel allow the wrench free to operation with no space limitation.
- More accuracy and easier when the wrench direct operate on the nuts.
- Compact design with longer arm fully advances the reliability.
- Compact design with the raw material of advanced aluminum-titanium alloy, high intense.

ATWH series is the professional Low profile hydraulic torque wrench which WREN extends in international market. Compared with the square drive hydraulic torque wrench, this series work directly on the nuts, and its body suits well in the narrow space. ATWH covers the nuts from S19 to S175. To fulfill all different working situations, the user can just replace the hexagon cassette because the hexagon cassette is changeable, or add the reducer. WREN provide after-sales service all over the world, and already got the approved by CE certificate.



Accessory:



Reaction Pad	
Extending Reaction Arm	

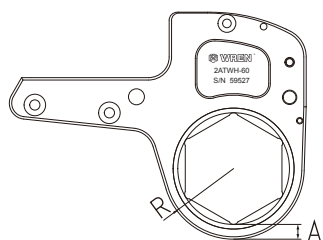


Parameter Chart

TYPE	Torque (N.m)	Nut Sizes (mm)	Power Head Weight (Kg)	Cassette Weight (Kg)	Sizes (mm)			
					L	H1	H2	W
08ATWH	113~1128	30~36	0.7	0.8	150	115	77	26
2ATWH	225~2255	19~55	0.9	1.5	186	132	95	32
	233~2338	60	0.9	1.5	186	135	98	32
4ATWH	520~5208	34~65	1.6	3.4	251	176	127	42
	575~5755	70~80	1.6	3.4	256	186	137	42
8ATWH	1043~10438	41~95	3.1	6.3	308	211	154	53
	1123~11233	100~105	3.1	6.3	308	220	163	53
14ATWH	1852~18521	50~117	4.8	11.4	378	252	200	64
30ATWH	4188~41882	85~155	10.5	20.5	460	300	253	85
	4459~44593	160~175	10.5	20.5	460	313	266	85



Every model of ATWH power head covers a complete set of hexagon cassette, combines all the bolt size within its torque range. When choosing the correct hexagon cassette, ensure the distance between bolt and equipment partition must larger than the distance of "A". Pay attention that there is enough space between bolts. The "A" and "R" in below table will be helpful.



Reducer

Reducer work together with the ATWH Ratchet link. One single Ratchet link is suitable for many bolts sizes.(by the reducer, please contact WREN engineer)



Series Hexagon Cassette Selection Chart

08ATWH				2ATWH				4ATWH				8ATWH				14ATWH				30ATWH			
Type	R	A	Max Torque	Type	R	A	Max Torque	Type	R	A	Max Torque	Type	R	A	Max Torque	Type	R	A	Max Torque	Type	R	A	Max Torque
08ATWH-30	26	8	1128	2ATWH-19	27	16	2328	4ATWH-34	36	16	2510	8ATWH-41	46	22	10941	14ATWH-50	60	31	18521	30ATWH-85	78	28	41882
08ATWH-36	29	8	1128	2ATWH-22	27	14	2328	4ATWH-36	36	15	2510	8ATWH-46	46	19	10941	14ATWH-55	60	28	18521	30ATWH-90	78	27	41882
				2ATWH-27	27	11	2328	4ATWH-41	39	15	5021	8ATWH-50	46	17	10941	14ATWH-60	60	25	18521	30ATWH-95	83	28	41882
				2ATWH-30	29	12	2328	4ATWH-46	42	15	5858	8ATWH-55	50	18	10941	14ATWH-65	60	22	18521	30ATWH-100	83	25	41882
				2ATWH-32	29	11	2328	4ATWH-50	44	15	5858	8ATWH-60	52	17	10941	14ATWH-70	60	19	18521	30ATWH-105	89	28	41882
				2ATWH-34	31	11	2328	4ATWH-55	46	14	5858	8ATWH-65	55	17	10941	14ATWH-75	63	19	18521	30ATWH-110	89	25	41882
				2ATWH-36	31	10	2328	4ATWH-60	50	15	5858	8ATWH-70	58	17	10941	14ATWH-80	66	19	18521	30ATWH-115	95	28	41882
				2ATWH-41	34	10	2328	4ATWH-65	53	15	5858	8ATWH-75	60	17	10941	14ATWH-85	69	19	18521	30ATWH-117	95	27	41882
				2ATWH-46	37	10	2328	4ATWH-70	56	15	6474	8ATWH-80	63	16	10941	14ATWH-90	72	20	18521	30ATWH-120	95	25	41882
				2ATWH-50	40	11	2328	4ATWH-75	59	15	6474	8ATWH-85	66	16	10941	14ATWH-95	74	19	18521	30ATWH-125	101	29	41882
				2ATWH-55	43	11	2328	4ATWH-80	61	15	6474	8ATWH-90	69	17	10941	14ATWH-100	77	19	18521	30ATWH-130	101	26	41882
				2ATWH-60	46	11	2414					8ATWH-95	71	16	10941	14ATWH-105	80	19	18521	30ATWH-135	104	26	41882
												8ATWH-100	75	17	11774	14ATWH-110	83	19	18521	30ATWH-140	110	29	41882
												8ATWH-105	78	17	11774	14ATWH-115	87	20	18521	30ATWH-145	110	26	41882
																14ATWH-117	87	19	18521	30ATWH-150	116	29	41882
																				30ATWH-155	116	26	41882
																				30ATWH-160	128	36	44593
																				30ATWH-165	128	33	44593
																				30ATWH-170	128	30	44593
																				30ATWH-175	128	27	44593

WREN can be customized according to customer requirements of special types of cassette.