

X DRIVER SYSTEM

Hydraulic Wrenches



alkitronic®

thinnest, fastest and most versatile

X Driver Hydraulic Wrench System

The *alkitronic*®/Norwolf X DRIVER SYSTEM - the most revolutionary hydraulic torque wrench system ever created. The profiles are totally flat with no extrusions that create hangups. Designed with a smaller cylinder bore but longer levers, it creates less stress on all parts. Easier to get into confined areas and around nuts in hard to access spaces. With the durability of solid steel design, fewer parts and clean-lined construction.

X Driver

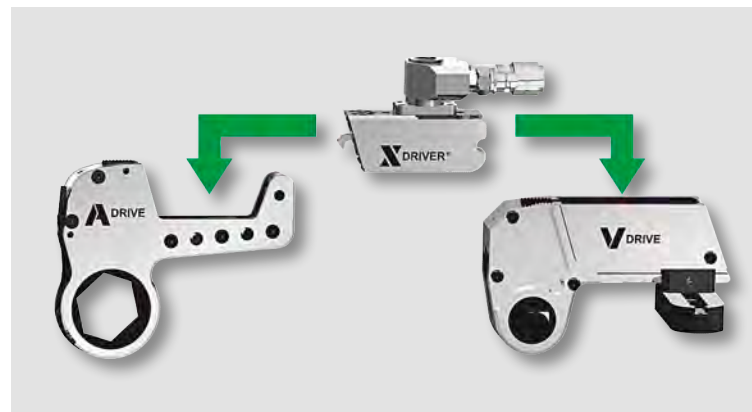
- Hydraulic power head with two hydraulic hose system
- Slimmest design - one piece piston construction
- Only one high pressure o-ring - easily changed with four bolts
- Novel A/Fivel design - 360° or 360 x 360 with one piece add on
- The power head locks into the separate drives without pins or screws
- All alloy steel construction - only true convertible tool
- Ready for optional handle

A Drive (hex link)

- Slimmest design - no loose shroud - totally enclosed
- Reaction arm/pad ready with 2 pin holes
- Patented reaction pawl easily disengaged with screw
- Fewer parts. Other hex links have many moving parts, increasing breakdowns and complex repairs.
- Deepest reach on the market - fits all flanges
- Upon testing, the A-Drive is 10-50% faster than other hydraulic wrenches

V Drive (square drive)

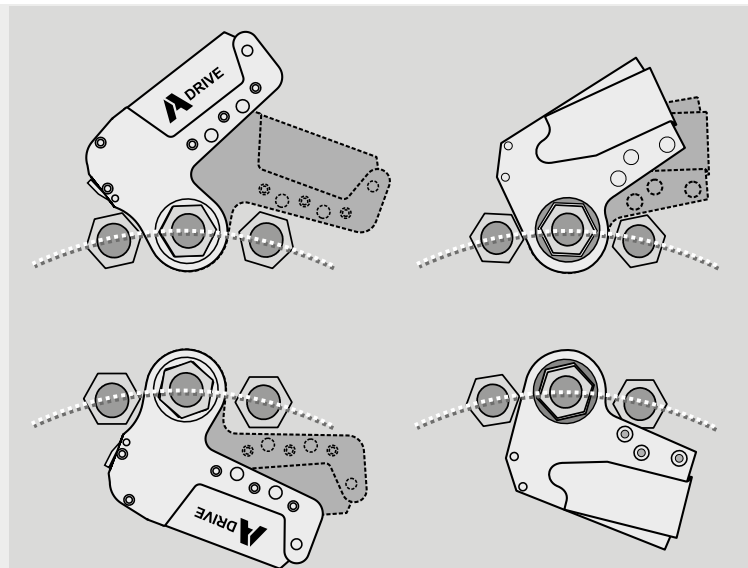
- Push through drive with ball locks
- Fastest 40° stroke making tool up to 30% faster per stroke
- Most versatile, patented reaction arm. Arm never needs to come off tool for resetting unlike competitors. Adjusts in all directions with posi lock locator buttons. Totally unique design.
- Thinnest width square drive tool on the market - totally enclosed
- Optional solid reaction arm available



Specifications

A prerequisite for the exact reproducibility of the specified torque ranges is an operating pressure of 100 to 700 bar. Repeatability +/- 3%.

The hydraulic wrench is so advanced it's not only a tool, it's an entire system. The X-Drive locks into drives which fully protect the cylinder from reaction points. The X-Drive pivots inside the drives, in-line, to prevent side load and tension to the cylinder, for safety and endurance.



A-Drive and X-Drive fits more applications than any other wrench.

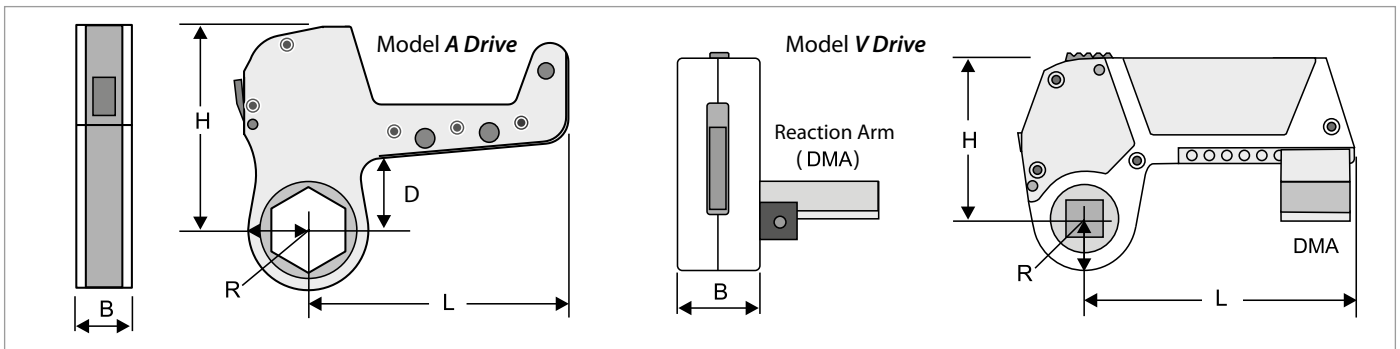
Our patented design curve creates the longest throat reach allowing the widest approach angle to fit the tool on the nut, easily, without joggling or manually moving the ratchet. This curve makes the X-Drive the fastest to fit, in the industry, on both in-line and inverted applications.



Application Example: A-Drive when fitting a flange coupling in plant construction.

Hands-Free a Drive Safety: The catch lever holds the tool against the reaction point on the piston retract, preventing the operator from holding the tool against the reaction area during tool kick-back on the retract stroke.

Technical Data



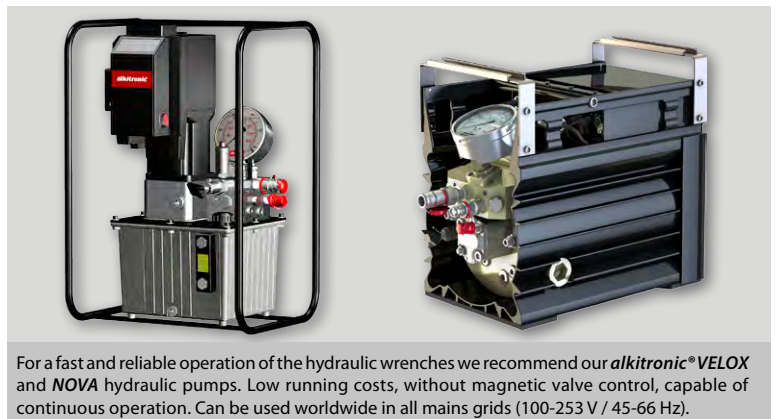
Models A Drive (Hex. link)

A Drive + X Driver	Type	A - 2	A - 4	A - 8	A - 16	A - 32	A - 64		
Torque range *	Nm	335-2240	805-5370	1560-10400	2690-17920	6600-44000	12450-83000		
Torque range *	ft.lbs	247-152	594-3961	1151-7671	1984-13217	4868-32453	9183-61217		
Height	H mm	104	139	174	208	278	347		
Length	L mm	134	178	223	267	356	446		
Distance	D mm	38	51	63	76	102	127		
Width	B mm	28	39	51	68	178	139		
Weight (approx.)	kg / lbs	2.3 / 5.0	5.0 / 11.0	10.5 / 23.5	17.0 / 37.5	33.0 / 72.5	76.0 / 167.0		
Type A 2-		A/F 27	A/F 32	A/F 36	A/F 41	A/F 46	A/F 50	A/F 55	A/F 60
Radius (approx.)	R mm	26	31	31	31	33	36	39	42
Type A 4-		A/F 46	A/F 50	A/F 55	A/F 60	A/F 65	A/F 70	A/F 75	A/F 80
Radius (approx.)	R mm	26	31	31	31	33	36	39	42
Type A 8-		A/F 55	A/F 60	A/F 65	A/F 70	A/F 75	A/F 80	A/F 90	A/F 100
Radius (approx.)	R mm	34	34	37	41	44	46	49	52
Type A 16-		A/F 70	A/F 75	A/F 80	A/F 90	A/F 100	A/F 105	A/F 115	A/F 125
Radius (approx.)	R mm	46	49	52	55	58	61	65	67
Type A 32-		A/F 90	A/F 100	A/F 105	A/F 115	A/F 125	A/F 135	A/F 145	A/F 155
Radius (approx.)	R mm	63	67	69	75	75	78	87	87
Type A 64-		A/F 125	A/F 135	A/F 145	A/F 155	A/F 165	A/F 170	A/F 185	A/F 195
Radius (approx.)	R mm	82	82	88	94	94	100	100	100

*) When loosening a bolted connection, up to 20% higher torque may be required (loosening torque). We will gladly advise you in detail.

Models V Drive (Square drive)

V Drive + X Driver	Type	V - 2	V - 4	V - 8	V - 16	V - 32	V - 64
Torque range *	Nm	265-1760	625-4174	1225-8155	2115-14100	5015-33420	9790-65280
Torque range *	ft.lbs	195-1298	461-3079	904-6015	1560-10400	3699-24649	7221-48148
Square drive		3/4"	1"	1 1/2"	1 1/2"	2 1/2"	2 1/2"
Height	H mm	83	111	139	166	222	277
Length (approx.)	L mm	140	186	233	279	373	466
Radius	R mm	25	34	42	51	68	85
Width	B mm	41	55	39	83	110	138
Weight (approx.)	kg / lbs	2.7 / 5.9	6.1 / 13.5	12.0 / 26.5	20.7 / 45.5	43.0 / 94.5	86.0 / 189.0



For a fast and reliable operation of the hydraulic wrenches we recommend our **alkitronic® VELOX** and **NOVA** hydraulic pumps. Low running costs, without magnetic valve control, capable of continuous operation. Can be used worldwide in all mains grids (100-253 V / 45-66 Hz).