

# **X Driver Systems**

Hydraulic Wrenches



# 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. The design with a smaller cylinder bore but longer levers, 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 swivel 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)

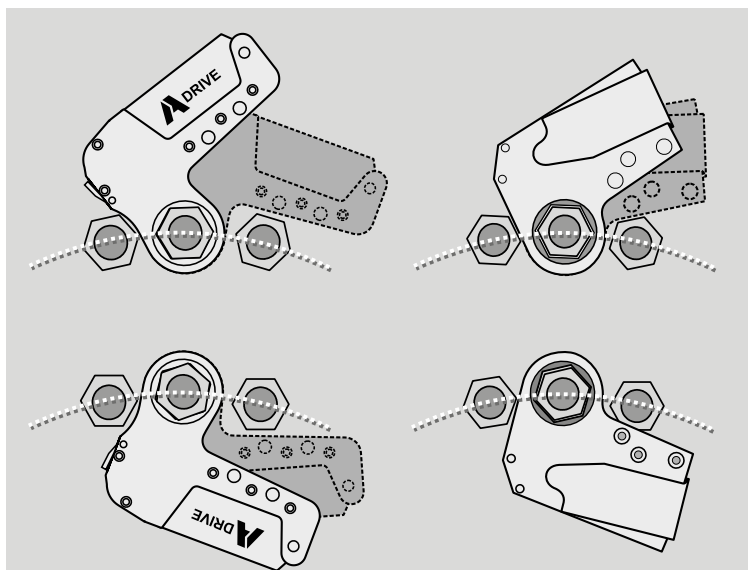
- Slimmest design - no loose shroud - totally enclosed.
- Reaction arm/pad ready with 2 pin holes.
- Patented reaction pawl easily disengaged with screw.
- Fewer parts. Other hex links have many moving parts, increasing breakdowns and need for complex repairs.
- Deepest reach on the market - fits all 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.

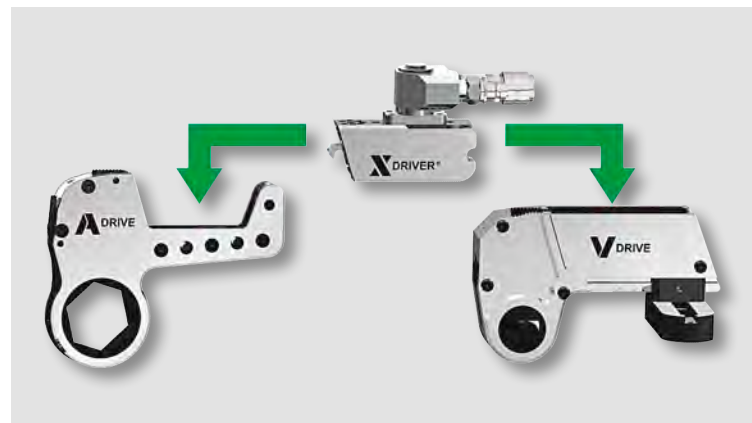
## Specifications

A prerequisite for exact reproducibility of the specified torque ranges is an operating pressure of 100 to 700 bar (1450 to 10,000 psi). Repeatability +/- 3%.



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

The patented design curve creates the longest throat reach, allowing the widest approach angle to fit the tool on the nut, easily, without jogging 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.



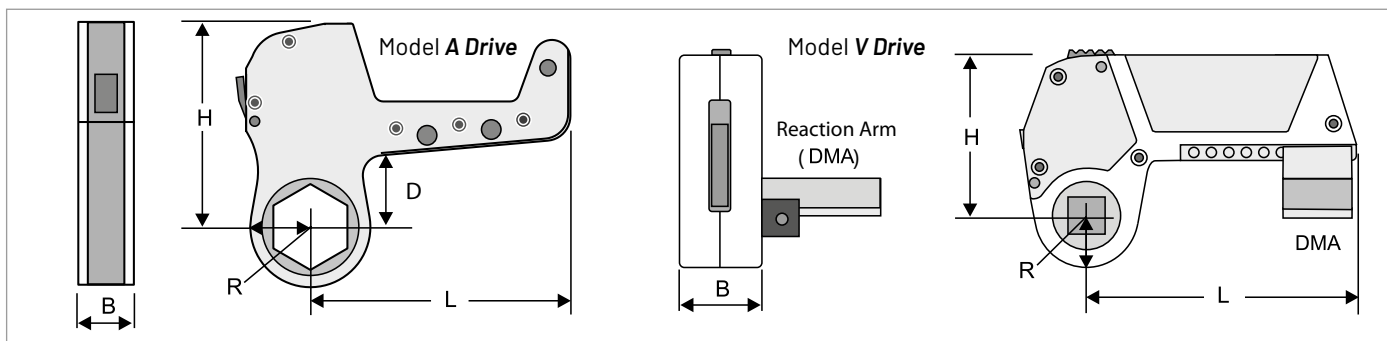
**The hydraulic wrench is so advanced it's not only a tool, it's an entire system.** The X-Drive locks into drives which fully protect the cylinder from reaction points. The X-Drive pivots inside the drives, in-line, to prevent side load and tension to the cylinder, for safety and endurance.



### 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)

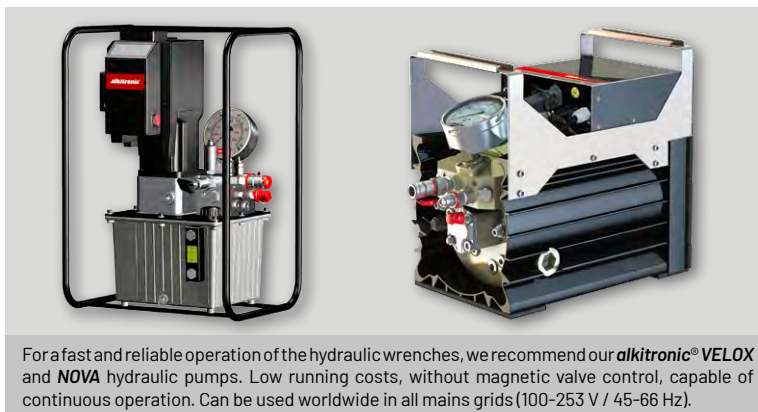
A Drive + X Driver	Type	A - 2	A - 4	A - 8	A - 16	A - 32	A - 64
Torque range *	Nm	335-2240	805-5370	1560-10400	2690-17920	6600-44000	12450-83000
Torque range *	ft.lbs	247-1652	594-3961	1151-7671	1984-13217	4868-32453	9183-61217
Height	H mm	104	139	174	208	278	347
Length	L mm	134	178	223	267	356	446
Distance	D mm	38	51	63	76	102	127
Width	B mm	29	38	48	57	76	95
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-		SW 27	SW 32	SW 36	SW 41	SW 46	SW 50	SW 55	SW 60
Radius (approx.)	R mm	25	28	31	33	36	39	42	45
Type A 4-		SW 46	SW 50	SW 55	SW 60	SW 65	SW 70	SW 75	SW 80
Radius (approx.)	R mm	39	42	45	48	50	53	56	58
Type A 8-		SW 55	SW 60	SW 65	SW 70	SW 75	SW 80	SW 90	SW 100
Radius (approx.)	R mm	49	53	56	59	63	66	70	73
Type A 16-		SW 70	SW 75	SW 80	SW 90	SW 100	SW 105	SW 115	SW 125
Radius (approx.)	R mm	61	62	65	70	75	81	87	93
Type A 32-		SW 90	SW 100	SW 105	SW 115	SW 125	SW 135	SW 145	SW 155
Radius (approx.)	R mm	77	82	88	93	99	104	110	115
Type A 64-		SW 125	SW 135	SW 145	SW 155	SW 165	SW 175	SW 185	SW 195
Radius (approx.)	R mm	105	111	116	122	127	133	138	144

\*) 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	190	240	290	390	490
Radius	R mm	25	34	42	51	68	85
Width	B mm	41	55	69	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).



## YOUR PLUS FOR MORE PERFORMANCE

### Increased quality

Premium production  
Highest quality materials  
Long product life cycles  
Experience in bolting technology since 1984  
Made in Germany – international patents

### Increased precision

Precise, customer-specific torques  
High repeatability  
Reliability in permanent operation  
Documentation of tightening results  
Automatic shut-off

### Increased productivity

Quicker tightening without reworking  
No environmentally caused failures (IP54, ATEX)  
High work safety  
Easy to use: clear, simple instructions  
Low maintenance and cost efficient

### Better service

Technical advice on site  
Training offers  
Manufacturer's calibration and certification  
Lifecycle support  
Spare part and repair service

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### EXTRACT FROM OUR PRODUCT RANGE



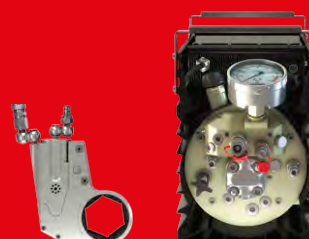
**alkitronic X<sup>E</sup>-SERIES**

THE ELECTRICS



**alkitronic X<sup>P</sup>-SERIES**

THE PNEUMATICS



**alkitronic X<sup>H</sup>-SERIES**

THE HYDRAULICS



**alkitronic X<sup>M</sup>-SERIES**

THE MANUALS