

The fastest, safest, thinnest most  
versatile hydraulic torque wrench  
ever created



For more Information  
call us on 1800 091 109  
or send an E-Mail to  
[sales@henchman.com.au](mailto:sales@henchman.com.au)



# NORWOLF® Tool Works

Since its beginning in 1995, Norwolf™ Tool Works has revolutionized the bolting industry in a variety of innovative ways. We started by creating a flange torque multiplier that had not previously existed. This “Missing Link®” torque multiplier is now a standard found at most wind sites and many other industrial concerns worldwide.

Late in 2012 Norwolf took on the unique design challenges brought on by the newly developing US shale oil market. The answer was the X-Driver® hydraulic torque wrench system which soon became the premier and most widely used hydraulic wrench in the major oil shale regions of North Dakota and South Texas. With its wide variety of interchangeable drives, the X-Driver truly fits on ALL bolting applications.

We pride ourselves not only with our unique and patented bolting tools but also our abilities concerning special tools and accessories. Norwolf is well known for its unique ability to manufacture custom solutions for virtually any bolting application. Sometimes we accomplish this in a matter of hours at our state of the art manufacturing facility.

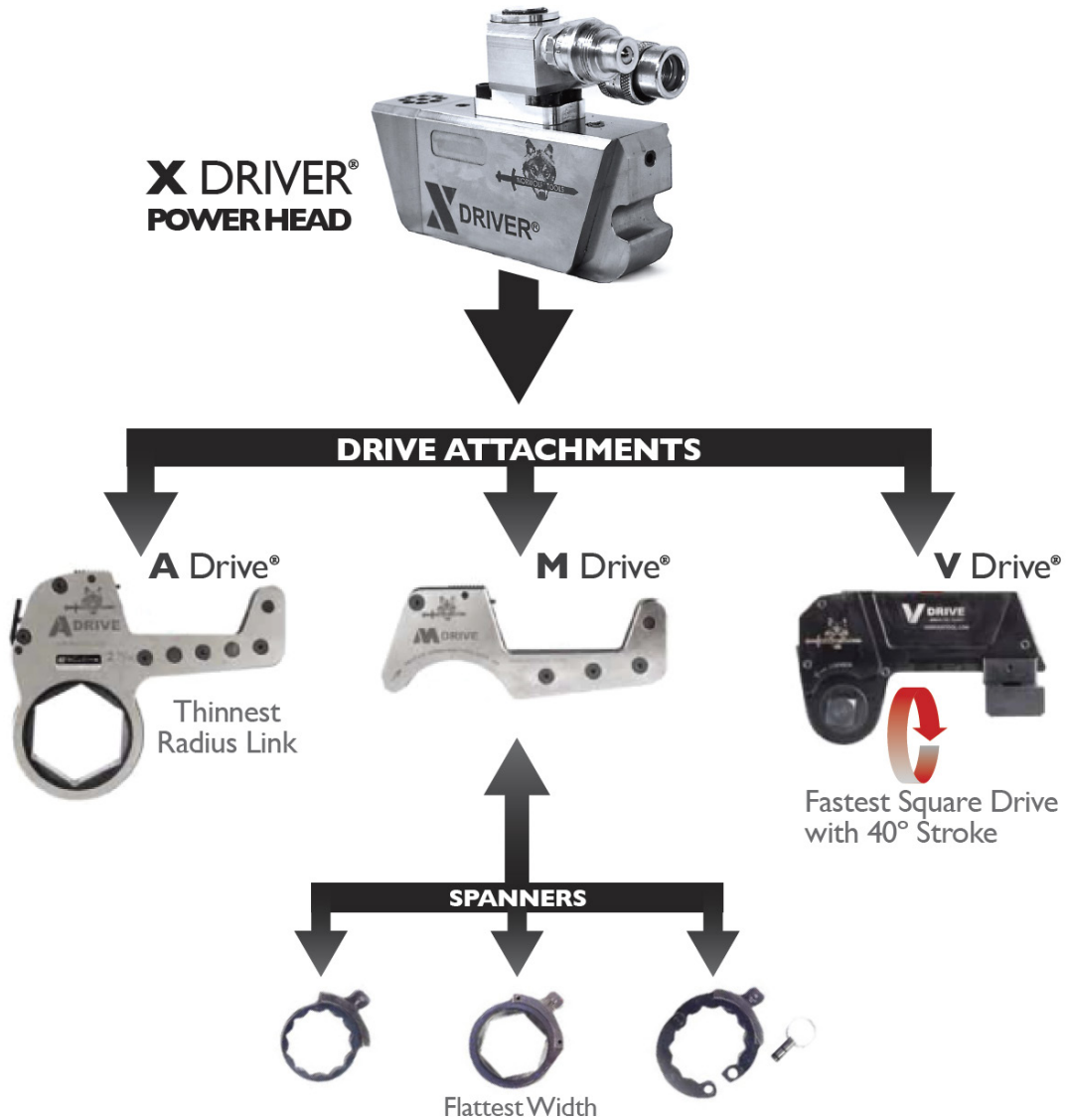
In addition to manufacturing bolting products Norwolf offers full service calibration, rental and repair services. Go online to [www.norwolf.com](http://www.norwolf.com) to view several of our product videos!



# NORWOLF® X-Driver® System Benefits:

- Slimmest design—one piece piston construction.
- Torque line is on center.
- Only one high pressure O’ring—easily changed with four bolts.
- Novel swivel design is 360° or 360 x 360 with one piece add on.
- All alloy steel construction...only true convertible tool.
- Ready for optional handle.

With its ease to get into confined areas and around nuts in hard to access spaces and the durability of solid steel design, less parts and clean-lined construction, this hydraulic torque wrench is so advanced it's not only a tool – it's an entire system. This is the most revolutionary hydraulic torque wrench system ever created. To decrease the chance of failure it has only three o-rings, versus up to nine in other hydraulic torque wrenches. The powerhead locks into the three separate drives without pins or screws, making it completely convertible



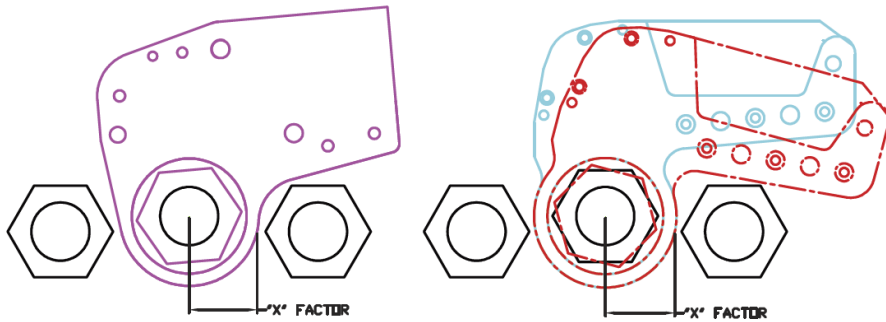
**X DRIVER®**  
HYDRAULIC WRENCH SYSTEM

## NORWOLF® A-Drive® Benefits:

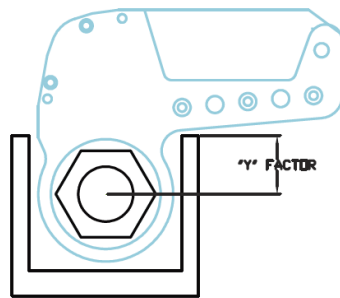
- Slimmest design—no loose shroud – totally enclosed.
- Reaction arm/pad ready with 2 pin holes.
- Patented reaction pawl can be easily disengaged with screw.
- Easily connects to X Driver...no pins...snaps in.
- Deepest reach on the market... fits all fl angles – See datasheet.
- Unique reaction pawl position keeps B dimension constant on all sizes unlike the competition. See datasheet.



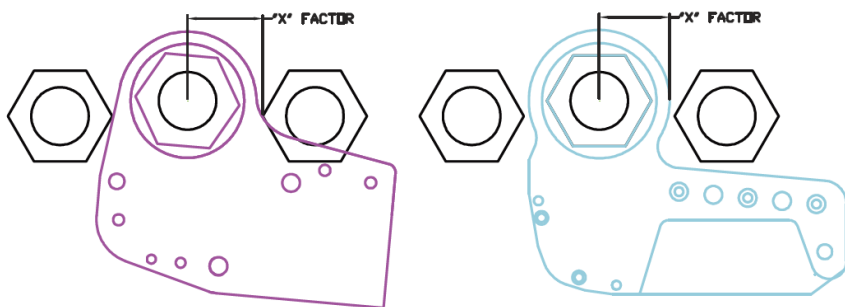
U.S. and International Patents Approved and Pending.



Conventional Flange –  
Competitor vs. X-DRIVER



“Y” Factor  
Only X-DRIVER fits



Inverted Flange –  
only the X-DRIVER fits

# A DRIVE®



## NORWOLF® M-Drive® Benefits:

- Fastest... 40° stroke... most accurate with sliding keyways.
- Absolute thinnest... patented totally enclosed system... no exposed teeth.
- Available in ratchet, spanner or split link design.
- Easiest to use... snaps right in... fits in only one way.

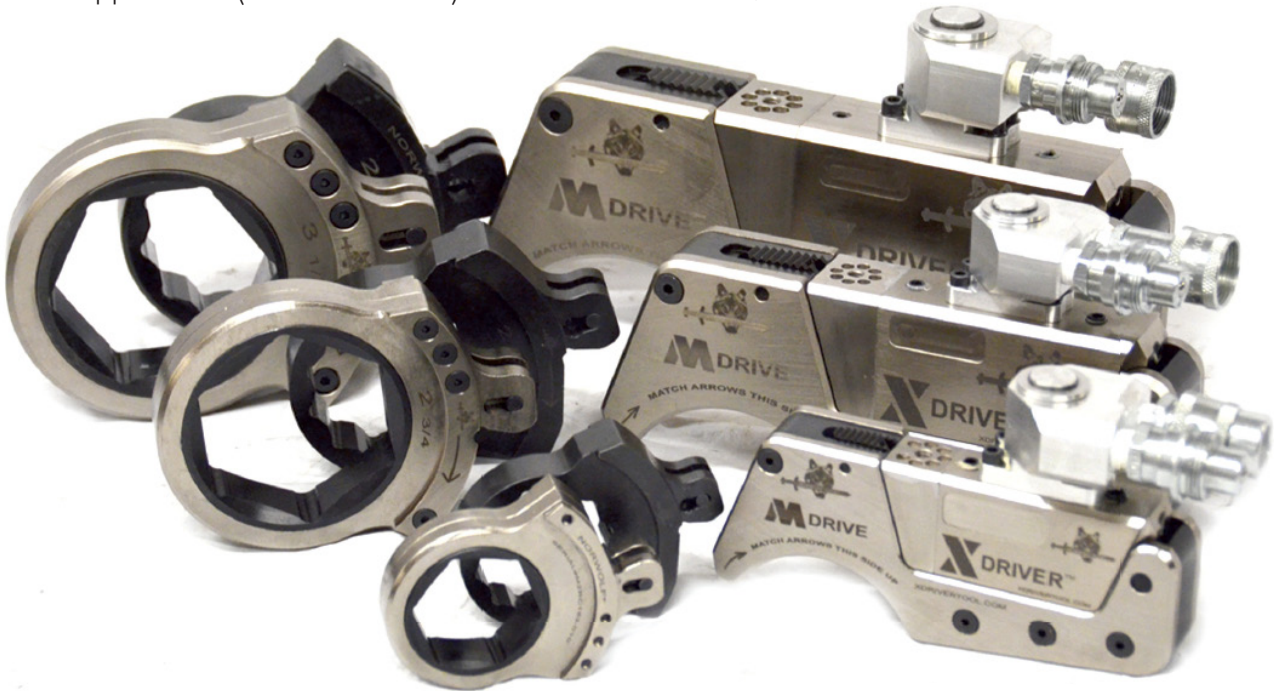
### Three Choices of Hex links:

- 1) A totally enclosed ratcheting hyper low-profile hex link.
- 2) A non-ratcheting spanner link.
- 3) A swing-open non-ratcheting link fitting jam nuts.



It goes where others can't.

The M Drive is a special application tool for hyper-low clearance applications like BOP's. It has no holding pawl, is lightning fast and has the flattest drive width in the X Driver family. There are no roll pins. A longer lever arm allows for a 40 degree stroke, which is what gives the hex link it's amazing speed. The M Drive is specifically made for the tightest BOP applications (such as a 7" 10m) where no others can fit.



# M DRIVE®







## NORWOLF® V-Drive® Benefits:

- Push through drive with ball locks.
- Fastest...40° 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.

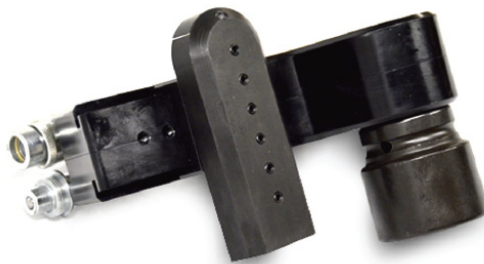


### The fastest, most versatile square drive.

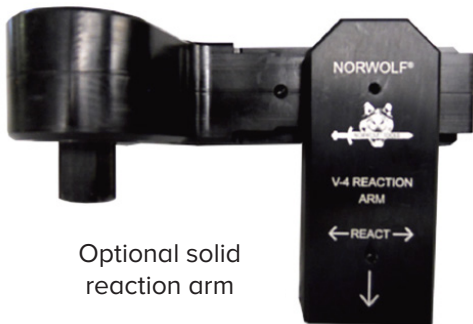
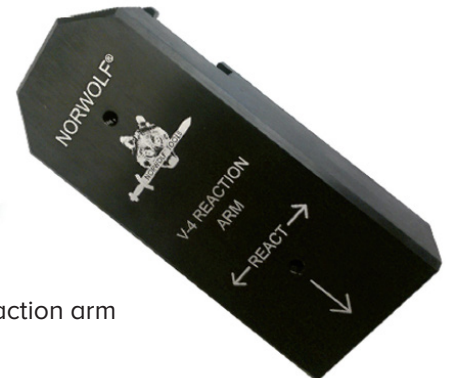
The V Drive completes the X Driver system with a dedicated square drive. Lock in the X Driver to complete the tool. The V Drive boasts a 40 degree power stroke making the tool 30 percent faster per stroke. With a push through square drive, reaction pawl, lack of shroud and aluminum body, the V Drive is the tool of choice for socket driven applications.

### Get the biggest reaction.

The multi-plane universal V Drive reaction arm has the largest reaction area of any tool. There are eight different settings along the length of the tool, 360 degree adjustability and height adjustable settings to fit more applications than ever.



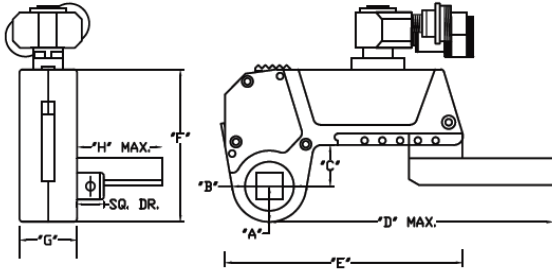
Universal reaction arm



Optional solid reaction arm



# V DRIVE®



### X DRIVER™ WITH "V" DRIVE

Model	Sq. drive	Maximum Torque @ 10k PSI / 700 BAR
V - 2	.75"	1,300 ft. lbs. 1,762 Nm
V - 4	1.00"	3,080 ft. lbs. 4,175 Nm
V - 8	1.50"	6,015 ft. lbs. 8,155 Nm
V - 16	1.50"	10,400 ft. lbs. 14,100 Nm
V - 32	2.50"	24,650 ft. lbs. 33,420 Nm
V - 64	2.50"	48,150 ft. lbs. 65,280 Nm

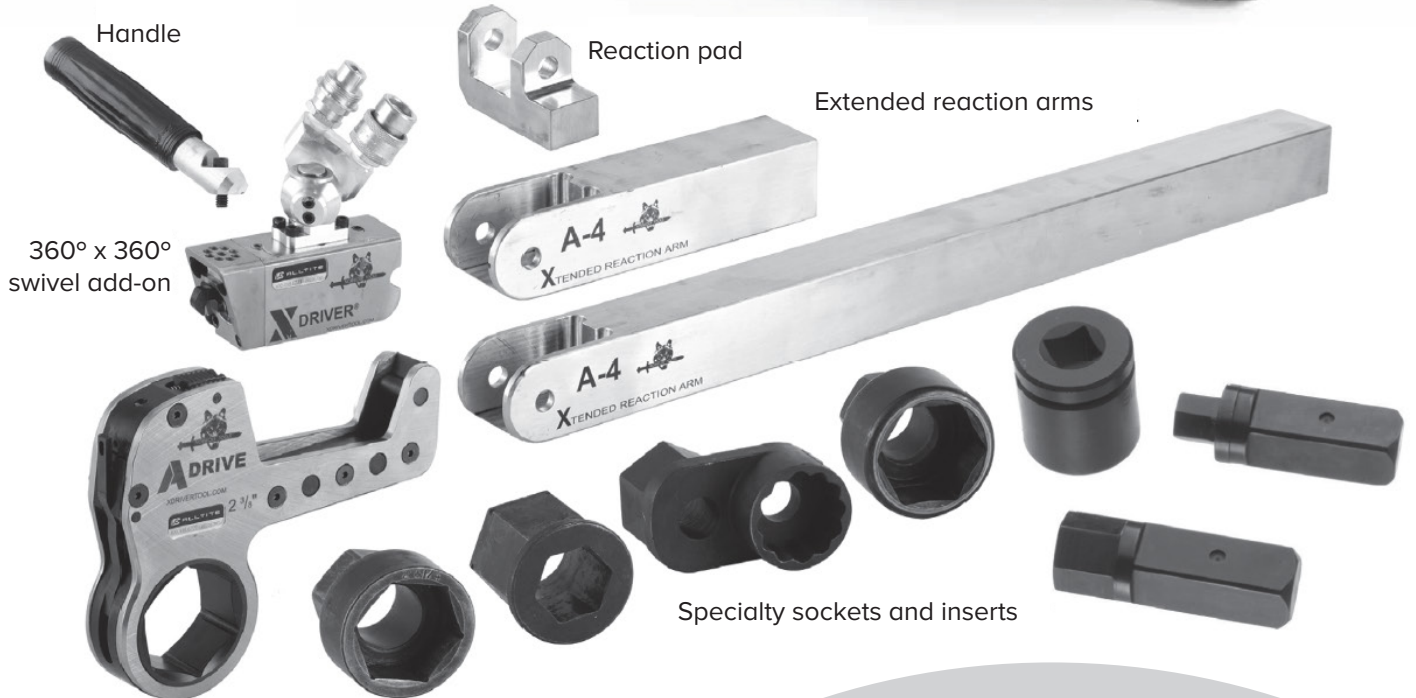
Model	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
V - 2	1.00"	2.10"	1.16"	8.00"	6.88"	4.28"	1.63"	2.50"
V - 4	1.33"	2.80"	1.55"	10.67"	9.17"	5.70"	2.17"	3.33"
V - 8	1.66"	3.50"	1.94"	13.33"	11.46"	7.13"	2.71"	4.16"
V - 16	2.00"	4.20"	2.33"	16.00"	13.75"	8.55"	3.26"	5.00"
V - 32	2.66"	5.60"	3.10"	21.34"	18.34"	11.40"	4.34"	6.66"
V - 64	3.33"	7.00"	3.88"	26.68"	22.93"	14.25"	5.43"	8.33"

Metric Data	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
V - 2	25.4	53.3	29.5	203.2	174.8	108.7	41.4	63.5
V - 4	33.8	71.1	39.4	271.0	232.9	144.8	55.1	84.6
V - 8	42.2	88.9	49.3	338.6	291.1	181.1	38.8	105.7
V - 16	50.8	106.7	59.2	406.4	349.3	217.2	82.8	127.0
V - 32	67.6	142.2	78.7	542.0	465.8	289.6	110.2	169.2
V - 64	84.6	177.8	98.6	677.7	582.4	362.0	137.9	211.6





Cases for Sets



Handle

Reaction pad

Extended reaction arms

360° x 360°  
swivel add-on

Specialty sockets and inserts

**X DRIVER®**

## NORWOLF® Uni-Back® Benefits:

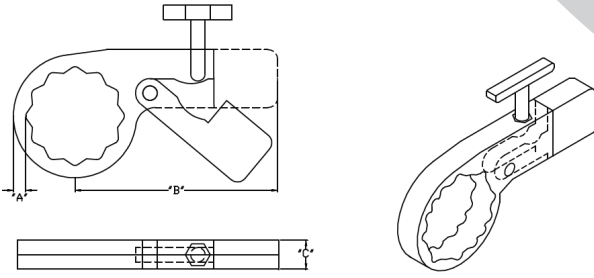
- Stops opposite nut from turning
- Fits on all standard API flange applications.
- ½ turn of screw releases all torsion.
- No more hammering off of knocker wrenches.
- Custom configuration available.



**UNI-BACK™**  
 *Holding Wrench*

# UNI-BACK™

## Holding Wrench



Imperial

UNI-BACK - IMPERIAL				
PART NO.	HEX SIZE	"A"	"B"	"C"
BK-062	5/8"	.25"	5.25"	.75"
BK-068	11/16"	.25"	5.25"	.75"
BK-075	3/4"	.25"	5.25"	.75"
BK-081	13/16"	.25"	5.25"	.75"
BK-087	7/8"	.25"	5.25"	.75"
BK-093	15/16"	.25"	5.25"	.75"
BK-106	1-1/16"	.25"	5.25"	.75"
BK-112	1-1/8"	.25"	5.25"	.75"
BK-118	1-3/16"	.25"	5.25"	.75"
BK-143	1-7/16"	.25"	5.25"	.75"
BK-150	1-1/2"	.25"	5.25"	.75"
BK-156	1-9/16"	.25"	5.25"	.75"
BK-162	1-5/8"	.25"	5.25"	.75"
BK-168	1-11/16"	.25"	5.25"	.75"
BK-175	1-3/4"	.25"	5.25"	.75"
BK-181	1-13/16"	.25"	5.25"	.75"
BK-187	1-7/8"	.25"	5.25"	.75"
BK-193	1-15/16"	.25"	5.25"	.75"
BK-200	2"	.25"	5.25"	.75"
BK-218	2-3/16"	.25"	5.25"	.75"
BK-237	2-3/8"	.25"	5.25"	.75"
BK-256	2-9/16"	.33"	7.00"	1.00"
BK-275	2-3/4"	.33"	7.00"	1.00"
BK-293	2-15/16"	.33"	7.00"	1.00"
BK-312	3-1/8"	.33"	7.00"	1.00"
BK-350	3-1/2"	.50"	10.50"	1.50"
BK-387	3-7/8"	.50"	10.50"	1.50"
BK-425	4-1/4"	.50"	10.50"	1.50"
BK-462	4-5/8"	.50"	10.50"	1.50"
BK-500	5"	.66"	14.00"	2.00"
BK-537	5-3/8"	.66"	14.00"	2.00"
BK-575	5-3/4"	.66"	14.00"	2.00"
BK-612	6-1/8"	.66"	14.00"	2.00"

Metric

UNI-BACK - METRIC				
PART NO.	HEX SIZE	"A"	"B"	"C"
BK-24MM	24MM	6.4MM	133MM	19MM
BK-27MM	27MM	6.4MM	133MM	19MM
BK-30MM	30MM	6.4MM	133MM	19MM
BK-32MM	32MM	6.4MM	133MM	19MM
BK-34MM	34MM	6.4MM	133MM	19MM
BK-36MM	36MM	6.4MM	133MM	19MM
BK-38MM	38MM	6.4MM	133MM	19MM
BK-41MM	41MM	6.4MM	133MM	19MM
BK-43MM	43MM	6.4MM	133MM	19MM
BK-45MM	45MM	6.4MM	133MM	19MM
BK-46MM	46MM	6.4MM	133MM	19MM
BK-48MM	48MM	6.4MM	133MM	19MM
BK-50MM	50MM	6.4MM	133MM	19MM
BK-55MM	55MM	6.4MM	133MM	19MM
BK-60MM	60MM	6.4MM	133MM	19MM
BK-65MM	65MM	8.5MM	178MM	25MM
BK-70MM	70MM	8.5MM	178MM	25MM
BK-75MM	75MM	8.5MM	178MM	25MM
BK-80MM	80MM	8.5MM	178MM	25MM
BK-85MM	85MM	8.5MM	178MM	25MM
BK-90MM	90MM	12.7MM	267MM	38MM
BK-95MM	95MM	12.7MM	267MM	38MM
BK-100MM	100MM	12.7MM	267MM	38MM
BK-105MM	105MM	12.7MM	267MM	38MM
BK-110MM	110MM	12.7MM	267MM	38MM
BK-115MM	115MM	12.7MM	267MM	38MM
BK-120MM	120MM	16.9MM	356MM	50MM
BK-125MM	125MM	16.9MM	356MM	50MM
BK-130MM	130MM	16.9MM	356MM	50MM
BK-135MM	135MM	16.9MM	356MM	50MM
BK-140MM	140MM	16.9MM	356MM	50MM
BK-145MM	145MM	16.9MM	356MM	50MM
BK-150MM	150MM	16.9MM	356MM	50MM

SIZES	THICKNESS	MAXIMUM TORQUE
1-7/16" THRU 2-3/8"	3/4"	1400 FT. LBS.
2-9/16" THRU 3-1/8"	1"	3200 FT. LBS.
3-1/2" THRU 4-5/8"	1-1/2"	10800 FT. LBS.
5" THRU 6-1/8"	2"	25000 FT. LBS.

## NORWOLF® Custom Sockets & Drives:

Norwolf offers a wide variety of both standard sockets & custom sockets, drives and reaction arms to suit your needs.



## NORWOLF® Hydraulic Pumps:

- Available in electric or air powered.
- Electric pumps available with 110 or 220 volt.

Also Available:  
Hoses  
Fittings  
Gauges  
Manifolds



NTW-EPM-02  
NTW-EPM-2D-220V



4-Port Manifold  
NTW-MANI-4PT-D

# HYDRAULIC PUMPS