

For more Information call us on 1800 091 109 or send an E-Mail to 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 fl at 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 to view several of our product videos!



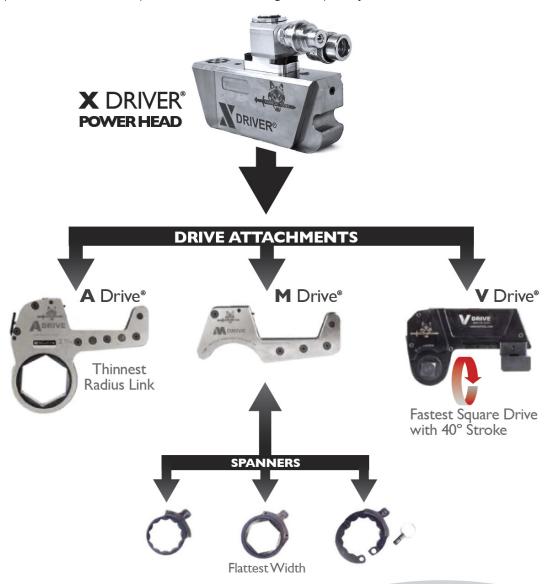




### NORWOLF® X-Driver® System Benefits:

- 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 confi ned 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





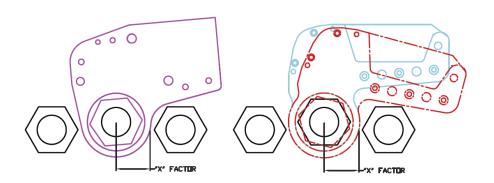
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### NORWOLF® A-Drive® Benefits:

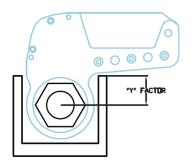
- Slimmest design—no loose shroud totally enclosed.
- Reaction arm/pad ready with 2 pin holes.
- Patented reaction pawl can be easily disengaged with screw.
- Easily connects to X Driver...no pins...snaps in.
- Deepest reach on the market... fi ts all fl anges See datasheet.
- Unique reaction pawl position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

U.S. and International Patents Approved and Pending.

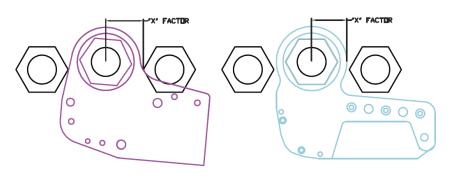




Conventional Flange – Competitor vs. X-DRIVER



"Y" Factor Only X-DRIVER fits

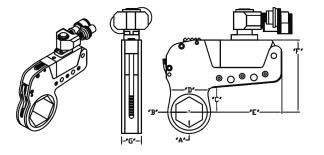


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Inverted Flange – only the X-DRIVER fits



# ADRIVE®



To determine dimensions of sizes not listed, use next larger hex size. For example, an A8 with an 85mm hex will have approximately the same dimensions as an A8 with 90mm hex.

#### Imperial

A - 2 MAX	. TOR	QUE: 1	630 FT.	LBS.	@10k F	PSI	
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"
A - 2 with 1-1/16" hex	.375"	.987"	1.50"	1.55"	5.264"	4.10"	1.125"
A - 2 with 1-1/4" hex	.375"	1.096"	1.50"	1.77"	5.264"	4.10"	1.125"
A - 2 with 1-7/16" hex	.375"	1.204"	1.50"	1.99"	5.264"	4.10"	1.125"
A - 2 with 1-5/8" hex	.375"	1.312"	1.50"	2.20"	5.264"	4.10"	1.125"
A - 2 with 1-13/16" hex	.375"	1.420"	1.50"	2.42"	5.264"	4.10"	1.125"
A - 2 with 2" hex	.375"	1.529"	1.50"	2.64"	5.264"	4.10"	1.125"
A - 2 with 2-3/16" hex	.375"	1.639"	1.50"	2.86"	5.264"	4.10"	1.125"
A - 2 with 2-3/8" hex	.375"	1.760"	1.50"	3.10"	5.264"	4.10"	1.125"

A - 4 MAX.	TOR	QUE: 39	900 FT.	LBS.	@ 10k l	PSI	
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"
A - 4 with 1-13/16" hex	.50"	1.55"	2.00"	2.68"	7.02"	5.47"	1.50"
A - 4 with 2" hex	.50"	1.66"	2.00"	2.90"	7.02"	5.47"	1.50"
A - 4 with 2-3/16" hex	.50"	1.76"	2.00"	3.10"	7.02"	5.47"	1.50"
A - 4 with 2-3/8" hex	.50"	1.87"	2.00"	3.32"	7.02"	5.47"	1.50"
A - 4 with 2-9/16" hex	.50"	1.98"	2.00"	3.54"	7.02"	5.47"	1.50"
A - 4 with 2-3/4" hex	.50"	2.09"	2.00"	3.76"	7.02"	5.47"	1.50"
A - 4 with 2-15/16" hex	.50"	2.20"	2.00"	3.98"	7.02"	5.47"	1.50"
A - 4 with 3-1/8" hex	.50"	2.30"	2.00"	4.18"	7.02"	5.47"	1.50"

A - 8 MAX.	TORG	UE: 75	60 FT.	LBS. @	🤋 10k F	PSI	
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"
A - 8 with 2-3/16" hex	.625"	1.94"	2.50"	3.36"	8.78"	6.84"	1.88"
A - 8 with 2-3/8" hex	.625"	2.08"	2.50"	3.64"	8.78"	6.84"	1.88"
A - 8 with 2-9/16" hex	.625"	2.20"	2.50"	3.86"	8.78"	6.84"	1.88"
A - 8 with 2-3/4" hex	.625"	2.34"	2.50"	4.16"	8.78"	6.84"	1.88"
A - 8 with 2-15/16" hex	.625"	2.48"	2.50"	4.44"	8.78"	6.84"	1.88"
A - 8 with 3-1/8" hex	.625"	2.61"	2.50"	4.70"	8.78"	6.84"	1.88"
A - 8 with 3-1/2" hex	.625"	2.75"	2.50"	4.98"	8.78"	6.84"	1.88"
A - 8 with 3-7/8" hex	.625"	2.88"	2.50"	5.24"	8.78"	6.84"	1.88"

A - 16 MAX.	TORG	QUE: 13	3,025 F	T. LBS	. @ 10k	PSI	
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"
A - 16 with 2-3/4" hex	.75"	2.38"	3.00"	4.13"	10.53"	8.20"	2.25"
A - 16 with 2-15/16" hex	.75"	2.45"	3.00"	4.27"	10.53"	8.20"	2.25"
A - 16 with 3-1/8" hex	.75"	2.55"	3.00"	4.47"	10.53"	8.20"	2.25"
A - 16 with 3-1/2" hex	.75"	2.77"	3.00"	4.91"	10.53"	8.20"	2.25"
A - 16 with 3-7/8"" hex	.75"	2.97"	3.00"	5.31"	10.53"	8.20"	2.25"
A - 16 with 4-1/4" hex	.75"	3.20"	3.00"	5.77"	10.53"	8.20"	2.25"
A - 16 with 4-5/8" hex	.75"	3.42"	3.00"	6.21"	10.53"	8.20"	2.25"
A - 16 with 5" hex	.75"	3.64"	3.00"	6.65"	10.53"	8.20"	2.25"

A - 32 MAX	A - 32 MAX. TORQUE: 31,975 FT. LBS. @ 10k PSI										
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"				
A - 32 with 3-1/2" hex	1.00"	3.02"	4.00"	5.20"	14.00"	10.94"	3.00"				
A - 32 with 3-7/8" hex	1.00"	3.24"	4.00"	5.64"	14.00"	10.94"	3.00"				
A - 32 with 4-1/4" hex	1.00"	3.45"	4.00"	6.06"	14.00"	10.94"	3.00"				
A - 32 with 4-5/8" hex	1.00"	3.67"	4.00"	6.50"	14.00"	10.94"	3.00"				
A - 32 with 5" hex	1.00"	3.89"	4.00"	6.94"	14.00"	10.94"	3.00"				
A - 32 with 5-3/8" hex	1.00"	4.10"	4.00"	7.36"	14.00"	10.94"	3.00"				
A - 32 with 5-3/4" hex	1.00"	4.32"	4.00"	7.80"	14.00"	10.94"	3.00"				
A - 32 with 6-1/8" hex	1.00"	4.54"	4.00"	8.24"	14.00"	10.94"	3.00"				

A - 64 MAX. TORQUE: 60,315 FT. LBS. @ 10k PSI										
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"			
A - 64 with 5" hex	1.25"	4.14"	5.00"	7.23"	17.55"	13.68"	3.75"			
A - 64 with 5-3/8" hex	1.25"	4.35"	5.00"	7.65"	17.55"	13.68"	3.75"			
A - 64 with 5-3/4" hex	1.25"	4.57"	5.00"	8.09"	17.55"	13.68"	3.75"			
A - 64 with 6-1/8" hex	1.25"	4.79"	5.00"	8.53"	17.55"	13.68"	3.75"			
A - 64 with 6-1/2" hex	1.25"	5.00"	5.00"	8.95"	17.55"	13.68"	3.75"			
A - 64 with 6-7/8" hex	1.25"	5.22"	5.00"	9.39"	17.55"	13.68"	3.75"			
A - 64 with 7-1/4" hex	1.25"	5.44"	5.00"	9.83"	17.55"	13.68"	3.75"			
A - 64 with 7-5/8" hex	1.25"	5.65"	5.00"	10.25"	17.55"	13.68"	3.75"			

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#### Metric

A - 2	мах. то	RQUE:	2243 N	lm @ 7	'00 BAF	3	
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"
A - 2 with 27mm hex	9.5	25.1	38.1	39.4	133.7	104.1	28.6
A - 2 with 32mm hex	9.5	27.8	38.1	45.0	133.7	104.1	28.6
A - 2 with 36mm hex	9.5	30.6	38.1	50.5	133.7	104.1	28.6
A - 2 with 41mm hex	9.5	33.3	38.1	55.9	133.7	104.1	28.6
A - 2 with 46mm hex	9.5	36.1	38.1	61.5	133.7	104.1	28.6
A - 2 with 50mm hex	9.5	38.8	38.1	67.1	133.7	104.1	28.6
A - 2 with 55mm hex	9.5	41.6	38.1	72.6	133.7	104.1	28.6
A - 2 with 60mm hex	9.5	44.7	38.1	78.7	133.7	104.1	28.6

	MAY TO	00115	-00-	I 0 -	00 0 4	_						
A - 4 I	A - 4 MAX. TORQUE: 5367 Nm @ 700 BAR											
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"					
A - 4 with 46mm hex	12.7	39.4	50.8	68.1	178.3	138.9	38.1					
A - 4 with 50mm hex	12.7	42.2	50.8	73.7	178.3	138.9	38.1					
A - 4 with 55mm hex	12.7	44.7	50.8	78.7	178.3	138.9	38.1					
A - 4 with 60mm hex	12.7	47.5	50.8	84.3	178.3	138.9	38.1					
A - 4 with 65mm hex	12.7	50.3	50.8	89.9	178.3	138.9	38.1					
A - 4 with 70mm hex	12.7	53.1	50.8	95.5	178.3	138.9	38.1					
A - 4 with 75mm hex	12.7	55.9	50.8	101.1	178.3	138.9	38.1					
A - 4 with 80mm hex	12.7	58.4	50.8	106.2	178.3	138.9	38.1					

A - 8 MAX. TORQUE: 10,404 Nm @ 700 BAR									
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"		
A - 8 with 55mm hex	15.9	49.3	63.5	85.3	223.0	173.7	47.8		
A - 8 with 60mm hex	15.9	52.8	63.5	92.5	223.0	173.7	47.8		
A - 8 with 65mm hex	15.9	55.9	63.5	98.0	223.0	173.7	47.8		
A - 8 with 70mm hex	15.9	59.4	63.5	105.7	223.0	173.7	47.8		
A - 8 with 75mm hex	15.9	63.0	63.5	112.8	223.0	173.7	47.8		
A - 8 with 80mm hex	15.9	66.3	63.5	119.4	223.0	173.7	47.8		
A - 8 with 90mm hex	15.9	69.9	63.5	126.5	223.0	173.7	47.8		
A - 8 with 100mm hex	15.9	73.2	63.5	133.1	223.0	173.7	47.8		

A - 16	мах. то	RQUE:	17,924	Nm @	700 B	4R	
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"
A - 16 with 70mm hex	19.1	60.5	76.2	104.9	267.5	208.3	57.2
A - 16 with 75mm hex	19.1	62.2	76.2	108.5	267.5	208.3	57.2
A - 16 with 80mm hex	19.1	64.8	76.2	113.5	267.5	208.3	57.2
A - 16 with 90mm hex	19.1	70.4	76.2	124.7	267.5	208.3	57.2
A - 16 with 100mm hex	19.1	75.4	76.2	134.9	267.5	208.3	57.2
A - 16 with 105mm hex	19.1	81.3	76.2	146.6	267.5	208.3	57.2
A - 16 with 115mm hex	19.1	86.9	76.2	157.7	267.5	208.3	57.2
A - 16 with 125mm hex	19.1	92.5	76.2	168.9	267.5	208.3	57.2

XA - 32 M	AX. TO	RQUE:	44,003	Nm @	700 B	AR	
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"
A - 32 with 90mm hex	25.4	76.7	101.6	132.1	355.6	277.9	76.2
A - 32 with 100mm hex	25.4	82.3	101.6	143.3	355.6	277.9	76.2
A - 32 with 105mm hex	25.4	87.6	101.6	153.9	355.6	277.9	76.2
A - 32 with 115mm hex	25.4	93.2	101.6	165.1	355.6	277.9	76.2
A - 32 with 125mm hex	25.4	98.8	101.6	176.3	355.6	277.9	76.2
A - 32 with 135mm hex	25.4	104.1	101.6	186.9	355.6	277.9	76.2
A - 32 with 145mm hex	25.4	109.7	101.6	198.1	355.6	277.9	76.2
A - 32 with 155mm hex	25.4	115.3	101.6	209.3	355.6	277.9	76.2

A - 64 MA	х. то	RQUE:	83,003	Nm @	700 B	AR	
Metric Description	"A"	"B"	"C"	"D"	"E'	"F"	"G"
A - 64 with 125mm hex	31.8	105.2	127.0	183.6	445.8	347.5	95.3
A - 64 with 135mm hex	31.8	110.5	127.0	194.3	445.8	347.5	95.3
A - 64 with 145mm hex	31.8	116.1	127.0	205.5	445.8	347.5	95.3
A - 64 with 155mm hex	31.8	121.7	127.0	216.7	445.8	347.5	95.3
A - 64 with 165mm hex	31.8	127.0	127.0	227.3	445.8	347.5	95.3
A - 64 w ith 175mm hex	31.8	132.6	127.0	238.5	445.8	347.5	95.3
A - 64 w ith 185mm hex	31.8	138.2	127.0	249.7	445.8	347.5	95.3
A - 64 w ith 195mm hex	31.8	143.5	127.0	260.4	445.8	347.5	95.3

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#### 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... fi ts in only one way.

#### Three Choices of Hex links:

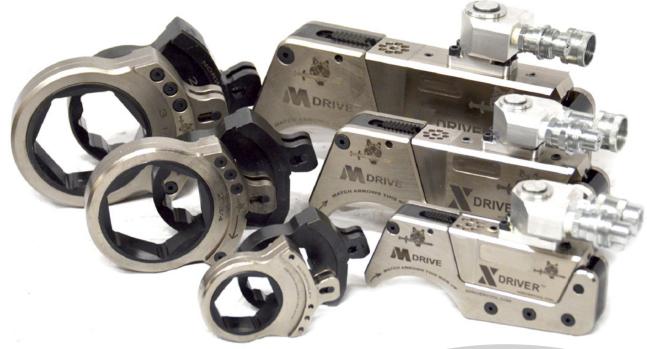
- 1) A totally enclosed ratcheting hyper low-profi le hex link.
- 2) A non-ratcheting spanner link.
- 3) A swing-open non-ratcheting link fi tting jam nuts.





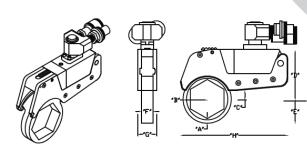
#### It goes where others can't.

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 fl attest 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.









#### Imperial

M - 2	MAX. TO	RQUE	: 1300	FT. LE	3S. @ 1	0k PSI		
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 2 with 1-1/16" hex	.375"	.99"	.611"	3.28"	.99"	.75"	1.25"	6.96"
M - 2 with 1-1/4" hex	.375"	1.10"	.611"	3.28"	1.10"	.75"	1.25"	6.96"
M - 2 with 1-7/16" hex	.375"	1.20"	.611"	3.28"	1.20"	.75"	1.25"	6.96"
M - 2 with 1-5/8" hex	.375"	1.31"	.611"	3.28"	1.31"	.75"	1.25"	6.96"
M - 2 with 1-13/16" hex	.375"	1.42"	.611"	3.28"	1.42"	.75"	1.25"	6.96"
M - 2 with 2" hex	.375"	1.53"	.611"	3.28"	1.53"	.75"	1.25"	6.96"
M - 2 with 2-3/16" hex	.375"	1.64"	.611"	3.28"	1.64"	.75"	1.25"	6.96"
M - 2 with 2-3/8" hex	.375"	1.75"	.611"	3.28"	1.75"	.75"	1.25"	6.96"

M - 4 N	IAX. TO	RQUE.	3080	FT. LB	S. @ 1	0k PSI		
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 4 with 1-13/16" hex	.50"	1.55"	.815"	4.38"	1.55"	1.00"	1.67"	9.28"
M - 4 with 2" hex	.50"	1.65"	.815"	4.38"	1.65"	1.00"	1.67"	9.28"
M - 4 with 2-13/16" hex	.50"	1.76"	.815"	4.38"	1.76"	1.00"	1.67"	9.28"
M - 4 with 2-3/8" hex	.50"	1.87"	.815"	4.38"	1.87"	1.00"	1.67"	9.28"
M - 4 with 2-9/16" hex	.50"	1.98"	.815"	4.38"	1.98"	1.00"	1.67"	9.28"
M - 4 with 2-3/4" hex	.50"	2.09"	.815"	4.38"	2.09"	1.00"	1.67"	9.28"
M - 4 with 2-15/16" hex	.50"	2.19"	.815"	4.38"	2.19"	1.00"	1.67"	9.28"
M - 4 with 3-1/8" hex	.50"	2.30"	.815"	4.38"	2.30"	1.00"	1.67"	9.28"

M - 8 N								
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 8 with 2-3/16" hex	.625"	1.89"	1.02"	5.47"	1.89"	1.25"	2.09"	11.60"
M - 8 with 2-3/8" hex	.625"	2.00"	1.02"	5.47"	2.00"	1.25"	2.09"	11.60"
M - 8 with 2-9/16" hex	.625"	2.10"	1.02"	5.47"	2.10"	1.25"	2.09"	11.60"
M - 8 with 2-3/4" hex	.625"	2.21"	1.02"	5.47"	2.21"	1.25"	2.09"	11.60"
M - 8 with 2-15/16" hex	.625"	2.32"	1.02"	5.47"	2.32"	1.25"	2.09"	11.60"
M - 8 with 3-1/8" hex	.625"	2.43"	1.02"	5.47"	2.43"	1.25"	2.09"	11.60"
M - 8 with 3-1/2" hex	.625"	2.65"	1.02"	5.47"	2.65"	1.25"	2.09"	11.60"
M - 8 with 3-7/8" hex	.625"	2.86"	1.02"	5.47"	2.86"	1.25"	2.09"	11.60"

M - 16 MAX. TORQUE: 10,395 FT. LBS. @ 10k PSI										
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"		
M - 16 with 2-3/4" hex	.75"	2.34"	1.22"	6.57"	2.34"	1.50"	2.50"	13.92"		
M - 16 with 2-15/16" hex	.75"	2.44"	1.22"	6.57"	2.44"	1.50"	2.50"	13.92"		
M - 16 with 3-1/8" hex	.75"	2.55"	1.22"	6.57"	2.55"	1.50"	2.50"	13.92"		
M - 16 with 3-1/2" hex	.75"	2.77"	1.22"	6.57"	2.77"	1.50"	2.50"	13.92"		
M - 16 with 3-7/8" hex	.75"	2.99"	1.22"	6.57"	2.99"	1.50"	2.50"	13.92"		
M - 16 with 4-1/4" hex	.75"	3.20"	1.22"	6.57"	3.20"	1.50"	2.50"	13.92"		
M - 16 with 4-5/8" hex	.75"	3.42"	1.22"	6.57"	3.42"	1.50"	2.50"	13.92"		
M - 16 with 5" hex	.75"	3.64"	1.22"	6.57"	3.64"	1.50"	2.50"	13.92"		

M 22 I	иах. то	DOLLE	24.64	O ET 1	DC @	10k DC	21	
			,		_			
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 32 with 3-1/2" hex	1.00"	3.02"	1.63"	8.76"	3.02"	2.00"	3.34"	18.56"
M - 32 with 3-7/8" hex	1.00"	3.24"	1.63"	8.76"	3.24"	2.00"	3.34"	18.56"
M - 32 with 4-1/4" hex	1.00"	3.45"	1.63"	8.76"	3.45"	2.00"	3.34"	18.56"
M - 32 with 4-5/8" hex	1.00"	3.67"	1.63"	8.76"	3.67"	2.00"	3.34"	18.56"
M - 32 with 5" hex	1.00"	3.89"	1.63"	8.76"	3.89"	2.00"	3.34"	18.56"
M - 32 with 5-3/8" hex	1.00"	4.10"	1.63"	8.76"	4.10"	2.00"	3.34"	18.56"
M - 32 with 5-3/4" hex	1.00"	4.32"	1.63"	8.76"	4.32"	2.00"	3.34"	18.56"
M - 32 with 6-1/8" hex	1.00"	4.53"	1.63"	8.76"	4.53"	2.00"	3.34"	18.56"

M - 64 N	M - 64 MAX. TORQUE: 48,125 FT. LBS. @ 10k PSI									
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"		
M - 64 with 5" hex	1.25"	4.14"	2.04"	10.95"	4.14"	2.50"	4.18"	23.20"		
M - 64 with 5-3/8" hex	1.25"	4.35"	2.04"	10.95"	4.35"	2.50"	4.18"	23.20"		
M - 64 with 5-3/4" hex	1.25"	4.57"	2.04"	10.95"	4.57"	2.50"	4.18"	23.20"		
M - 64 with 6-1/8" hex	1.25"	4.78"	2.04"	10.95"	4.78"	2.50"	4.18"	23.20"		
M - 64 with 6-1/2" hex	1.25"	5.00"	2.04"	10.95"	5.00"	2.50"	4.18"	23.20"		
M - 64 with 6-7/8" hex	1.25"	5.22"	2.04"	10.95"	5.22"	2.50"	4.18"	23.20"		
M - 64 with 7-1/4" hex	1.25"	5.43"	2.04"	10.95"	5.43"	2.50"	4.18"	23.20"		
M - 64 with 7-5/8" hex	1.25"	5.65"	2.04"	10.95"	5.65"	2.50"	4.18"	23.20"		

#### Metric

М	2 MAX.	TORQU	JE: 17	89 Nm	@ 700	BAR		
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 2 with 27mm hex	9.5	25.1	15.5	83.3	25.1	19.1	31.8	176.8
M - 2 with 32mm hex	9.5	27.9	15.5	83.3	27.9	19.1	31.8	176.8
M - 2 with 36mm hex	9.5	30.5	15.5	83.3	30.5	19.1	31.8	176.8
M - 2 with 41mm hex	9.5	33.3	15.5	83.3	33.3	19.1	31.8	176.8
M - 2 with 46mm hex	9.5	36.1	15.5	83.3	36.1	19.1	31.8	176.8
M - 2 with 50mm hex	9.5	38.9	15.5	83.3	38.9	19.1	31.8	176.8
M - 2 with 55mm hex	9.5	41.7	15.5	83.3	41.7	19.1	31.8	176.8
M - 2 with 60mm hex	9.5	44.5	15.5	83.3	44.5	19.1	31.8	176.8

M - 4 MAX. TORQUE: 4239 Nm @ 700 BAR									
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	
M - 4 with 46mm hex	12.7	39.4	20.7	111.3	39.4	25.4	42.4	235.7	
M - 4 with 50mm hex	12.7	41.9	20.7	111.3	41.9	25.4	42.4	235.7	
M - 4 with 55mm hex	12.7	44.7	20.7	111.3	44.7	25.4	42.4	235.7	
M - 4 with 60mm hex	12.7	47.5	20.7	111.3	47.5	25.4	42.4	235.7	
M - 4 with 65mm hex	12.7	50.3	20.7	111.3	50.3	25.4	42.4	235.7	
M - 4 with 70mm hex	12.7	53.1	20.7	111.3	53.1	25.4	42.4	235.7	
M - 4 with 75mm hex	12.7	55.6	20.7	111.3	55.6	25.4	42.4	235.7	
M - 4 with 80mm hex	12.7	58.4	20.7	111.3	58.4	25.4	42.4	235.7	

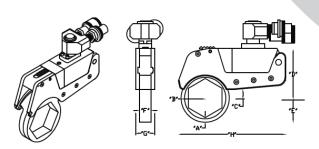
M - 4	8 MAX. T	TORQU	JE: 82:	57 Nm (	@ 700	BAR		
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 8 with 55mm hex	15.9	48.0	25.9	138.9	48.0	31.8	53.1	294.6
M - 8 with 60mm hex	15.9	50.8	25.9	138.9	50.8	31.8	53.1	294.6
M - 8 with 65mm hex	15.9	53.3	25.9	138.9	53.3	31.8	53.1	294.6
M - 8 with 70mm hex	15.9	56.1	25.9	138.9	56.1	31.8	53.1	294.6
M - 8 with 75mm hex	15.9	58.9	25.9	138.9	58.9	31.8	53.1	294.6
M - 8 with 80mm hex	15.9	61.7	25.9	138.9	61.7	31.8	53.1	294.6
M - 8 with 90mm hex	15.9	67.3	25.9	138.9	67.3	31.8	53.1	294.6
M - 8 with 100mm hex	15.9	72.6	25.9	138.9	72.6	31.8	53.1	294.6

M - 1	6 MAX.	TORQU	E: 14,	305 Nm	@ 700	BAR		
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 16 with 70mm hex	19.1	59.4	31.0	166.9	59.4	38.1	63.5	353.6
M - 16 with 75mm hex	19.1	62.0	31.0	166.9	62.0	38.1	63.5	353.6
M - 16 with 80mm hex	19.1	64.8	31.0	166.9	64.8	38.1	63.5	353.6
M - 16 with 90mm hex	19.1	70.4	31.0	166.9	70.4	38.1	63.5	353.6
M - 16 with 100mm hex	19.1	75.9	31.0	166.9	75.9	38.1	63.5	353.6
M - 16 with 105mm hex	19.1	81.3	31.0	166.9	81.3	38.1	63.5	353.6
M - 16 with 115mm hex	19.1	86.9	31.0	166.9	86.9	38.1	63.5	353.6
M - 16 with 125mm hex	19.1	92.5	31.0	166.9	92.5	38.1	63.5	353.6

M - 32	MAX.	TORQU	E: 33,	908 Nn	1 @ 700	BAR		
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 32 with 90mm hex	25.4	76.7	41.4	222.5	76.7	50.8	84.8	471.4
M - 32 with 100mm hex	25.4	82.3	41.4	222.5	82.3	50.8	84.8	471.4
M - 32 with 105mm hex	25.4	87.6	41.4	222.5	87.6	50.8	84.8	471.4
M - 32 with 115mm hex	25.4	93.2	41.4	222.5	93.2	50.8	84.8	471.4
M - 32 with 125mm hex	25.4	98.8	41.4	222.5	98.8	50.8	84.8	471.4
M - 32 with 135mm hex	25.4	104.1	41.4	222.5	104.1	50.8	84.8	471.4
M - 32 with 145mm hex	25.4	109.7	41.4	222.5	109.7	50.8	84.8	471.4
M - 32 with 155mm hex	25.4	115.1	41.4	222.5	115.1	50.8	84.8	471.4

M - 64	MAX.	TORQU	E: 66,	227 Nn	@ 700	BAR		
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 64 with 125mm hex	31.8	105.2	51.8	278.1	105.2	63.5	106.2	589.3
M - 64 with 135mm hex	31.8	110.5	51.8	278.1	110.5	63.5	106.2	589.3
M - 64 with 145mm hex	31.8	116.1	51.8	278.1	116.1	63.5	106.2	589.3
M - 64 with 155mm hex	31.8	121.4	51.8	278.1	121.4	63.5	106.2	589.3
M - 64 with 165mm hex	31.8	127.0	51.8	278.1	127.0	63.5	106.2	589.3
M - 64 with 175mm hex	31.8	132.6	51.8	278.1	132.6	63.5	106.2	589.3
M - 64 with 185mm hex	31.8	137.9	51.8	278.1	137.9	63.5	106.2	589.3
M - 64 with 195mm hex	31.8	143.5	51.8	278.1	143.5	63.5	106.2	589.3

# MDRIVE<sup>®</sup> Spanner Link



#### Imperial

M - 2	MAX. TO	DRQUE	: 1300	FT. LE	3S. @ 1	0k PSI		
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 2 with 1-1/16" hex	.25"	.86"	.611"	3.28"	.86"	.75"	1.25"	6.96"
M - 2 with 1-1/4" hex	.25"	.97"	.611"	3.28"	.97"	.75"	1.25"	6.96"
M - 2 with 1-7/16" hex	.25"	1.08"	.611"	3.28"	1.08"	.75"	1.25"	6.96"
M - 2 with 1-5/8" hex	.25"	1.19"	.611"	3.28"	1.19"	.75"	1.25"	6.96"
M - 2 with 1-13/16" hex	.25"	1.30"	.611"	3.28"	1.30"	.75"	1.25"	6.96"
M - 2 with 2" hex	.25"	1.40"	.611"	3.28"	1.40"	.75"	1.25"	6.96"
M - 2 with 2-3/16" hex	.25"	1.51"	.611"	3.28"	1.51"	.75"	1.25"	6.96"
M - 2 with 2-3/8" hex	.25"	1.62"	.611"	3.28"	1.62"	.75"	1.25"	6.96"

M - 4 N	IAX. TO	RQUE	3080	FT. LB	S. @ 1	0k PSI		
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 4 with 1-13/16" hex	.333"	1.38"	.815"	4.38"	1.38"	1.00"	1.67"	9.28"
M - 4 with 2" hex	.333"	1.49"	.815"	4.38"	1.49"	1.00"	1.67"	9.28"
M - 4 with 2-13/16" hex	.333"	1.60"	.815"	4.38"	1.60"	1.00"	1.67"	9.28"
M - 4 with 2-3/8" hex	.333"	1.70"	.815"	4.38"	1.70"	1.00"	1.67"	9.28"
M - 4 with 2-9/16" hex	.333"	1.81"	.815"	4.38"	1.81"	1.00"	1.67"	9.28"
M - 4 with 2-3/4" hex	.333"	1.92"	.815"	4.38"	1.92"	1.00"	1.67"	9.28"
M - 4 with 2-15/16" hex	.333"	2.03"	.815"	4.38"	2.03"	1.00"	1.67"	9.28"
M - 4 with 3-1/8" hex	.333"	2.14"	.815"	4.38"	2.14"	1.00"	1.67"	9.28"

M - 8 N	IAX. TO	RQUE.	6,000	FT. LE	3 <b>S</b> . @ 1	0k PSI		
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 8 with 2-3/16" hex	.410"	1.67"	1.02"	5.47"	1.67"	1.25"	2.09"	11.60"
M - 8 with 2-3/8" hex	.410"	1.78"	1.02"	5.47"	1.78"	1.25"	2.09"	11.60"
M - 8 with 2-9/16" hex	.410"	1.89"	1.02"	5.47"	1.89"	1.25"	2.09"	11.60"
M - 8 with 2-3/4" hex	.410"	2"	1.02"	5.47"	2"	1.25"	2.09"	11.60"
M - 8 with 2-15/16" hex	.410"	2.1"	1.02"	5.47"	2.1"	1.25"	2.09"	11.60"
M - 8 with 3-1/8" hex	.410"	2.21"	1.02"	5.47"	2.21"	1.25"	2.09"	11.60"
M - 8 with 3-1/2" hex	.410"	2.42"	1.02"	5.47"	2.42"	1.25"	2.09"	11.60"
M - 8 with 3-7/8" hex	.410"	2.65"	1.02"	5.47"	2.65"	1.25"	2.09"	11.60"

M - 16 M.	AX. TO	RQUE:	10,39	5 FT. L	BS. @	10k PS	81	
Description	"A"	"B"	"C"	"D"	.E.	"F"	"G"	"H"
M - 16 with 2-3/4" hex	.50"	2.09"	1.22"	6.57"	2.09"	1.50"	2.50"	13.92"
M - 16 with 2-15/16" hex	.50"	2.19"	1.22"	6.57"	2.19"	1.50"	2.50"	13.92"
M - 16 with 3-1/8" hex	.50"	2.30"	1.22"	6.57"	2.30"	1.50"	2.50"	13.92"
M - 16 with 3-1/2" hex	.50"	2.52"	1.22"	6.57"	2.52"	1.50"	2.50"	13.92"
M - 16 with 3-7/8" hex	.50"	2.74"	1.22"	6.57"	2.74"	1.50"	2.50"	13.92"
M - 16 with 4-1/4" hex	.50"	2.95"	1.22"	6.57"	2.95"	1.50"	2.50"	13.92"
M - 16 with 4-5/8" hex	.50"	3.17"	1.22"	6.57"	3.17"	1.50"	2.50"	13.92"
M - 16 with 5" hex	.50"	3.39"	1.22"	6.57"	3.39"	1.50"	2.50"	13.92"

M - 32 I	иах. то	RQUE:	24,64	0 FT. L	BS. @	10k PS	61	
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 32 with 3-1/2" hex	.666"	2.69"	1.63"	8.76"	2.69"	2.00"	3.34"	18.56"
M - 32 with 3-7/8" hex	.666"	2.90"	1.63"	8.76"	2.90"	2.00"	3.34"	18.56"
M - 32 with 4-1/4" hex	.666"	3.12"	1.63"	8.76"	3.12"	2.00"	3.34"	18.56"
M - 32 with 4-5/8" hex	.666"	3.33"	1.63"	8.76"	3.33"	2.00"	3.34"	18.56"
M - 32 with 5" hex	.666"	3.55"	1.63"	8.76"	3.55"	2.00"	3.34"	18.56"
M - 32 with 5-3/8" hex	.666"	3.77"	1.63"	8.76"	3.77"	2.00"	3.34"	18.56"
M - 32 with 5-3/4" hex	.666"	3.98"	1.63"	8.76"	3.98"	2.00"	3.34"	18.56"
M - 32 with 6-1/8" hex	.666"	4.20"	1.63"	8.76"	4.20"	2.00"	3.34"	18.56"

M - 64 N	M - 64 MAX. TORQUE: 48,125 FT. LBS. @ 10k PSI										
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"			
M - 64 with 5" hex	.820"	3.71"	2.04"	10.95"	3.71"	2.50"	4.18"	23.20"			
M - 64 with 5-3/8" hex	.820"	3.92"	2.04"	10.95"	3.92"	2.50"	4.18"	23.20"			
M - 64 with 5-3/4" hex	.820"	4.14"	2.04"	10.95"	4.14"	2.50"	4.18"	23.20"			
M - 64 with 6-1/8" hex	.820"	4.35"	2.04"	10.95"	4.35"	2.50"	4.18"	23.20"			
M - 64 with 6-1/2" hex	.820"	4.57"	2.04"	10.95"	4.57"	2.50"	4.18"	23.20"			
M - 64 with 6-7/8" hex	.820"	4.79"	2.04"	10.95"	4.79"	2.50"	4.18"	23.20"			
M - 64 with 7-1/4" hex	.820"	5.00"	2.04"	10.95"	5.00"	2.50"	4.18"	23.20"			
M - 64 with 7-5/8" hex	.820"	5.22"	2.04"	10.95"	5.22"	2.50"	4.18"	23.20"			

#### Metric

M - 2	2 MAX.	TORQU	JE: 17	89 Nm	@ 700	BAR		
Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 2 with 27mm hex	6.4	21.8	15.5	83.3	21.8	19.1	31.8	176.8
M - 2 with 32mm hex	6.4	24.6	15.5	83.3	24.6	19.1	31.8	176.8
M - 2 with 36mm hex	6.4	27.4	15.5	83.3	27.4	19.1	31.8	176.8
M - 2 with 41mm hex	6.4	30.2	15.5	83.3	30.2	19.1	31.8	176.8
M - 2 with 46mm hex	6.4	33.0	15.5	83.3	33.0	19.1	31.8	176.8
M - 2 with 50mm hex	6.4	35.6	15.5	83.3	35.6	19.1	31.8	176.8
M - 2 with 55mm hex	6.4	38.4	15.5	83.3	38.4	19.1	31.8	176.8
M - 2 with 60mm hex	6.4	41.2	15.5	83.3	41.2	19.1	31.8	176.8

М	4 MAX.	TORQL	IE: 42.	39 Nm (	@ 700	BAR		
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 4 with 46mm hex	8.5	35.0	20.7	111.3	35.0	25.4	42.4	235.7
M - 4 with 50mm hex	8.5	37.8	20.7	111.3	37.8	25.4	42.4	235.7
M - 4 with 55mm hex	8.5	40.5	20.7	111.3	40.5	25.4	42.4	235.7
M - 4 with 60mm hex	8.5	43.3	20.7	111.3	43.3	25.4	42.4	235.7
M - 4 with 65mm hex	8.5	46.0	20.7	111.3	46.0	25.4	42.4	235.7
M - 4 with 70mm hex	8.5	48.8	20.7	111.3	48.8	25.4	42.4	235.7
M - 4 with 75mm hex	8.5	51.5	20.7	111.3	51.5	25.4	42.4	235.7
M - 4 with 80mm hex	8.5	54.3	20.7	111.3	54.3	25.4	42.4	235.7

М - а	8 MAX.	TORQL	IE: 82:	57 Nm (	@ 700	BAR		
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 8 with 55mm hex	10.4	42.5	25.9	138.9	42.5	31.8	53.1	294.6
M - 8 with 60mm hex	10.4	45.2	25.9	138.9	45.2	31.8	53.1	294.6
M - 8 with 65mm hex	10.4	48.0	25.9	138.9	48.0	31.8	53.1	294.6
M - 8 with 70mm hex	10.4	50.7	25.9	138.9	50.7	31.8	53.1	294.6
M - 8 with 75mm hex	10.4	53.5	25.9	138.9	53.5	31.8	53.1	294.6
M - 8 with 80mm hex	10.4	56.2	25.9	138.9	56.2	31.8	53.1	294.6
M - 8 with 90mm hex	10.4	61.5	25.9	138.9	61.5	31.8	53.1	294.6
M - 8 with 100mm hex	10.4	67.2	25.9	138.9	67.2	31.8	53.1	294.6

M - 16	M - 16 MAX. TORQUE: 14,305 Nm @ 700 BAR										
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"			
M - 16 w ith 70mm hex	12.7	53.0	31.0	166.9	53.0	38.1	63.5	353.6			
M - 16 w ith 75mm hex	12.7	55.8	31.0	166.9	55.8	38.1	63.5	353.6			
M - 16 w ith 80mm hex	12.7	58.5	31.0	166.9	58.5	38.1	63.5	353.6			
M - 16 w ith 90mm hex	12.7	64.0	31.0	166.9	64.0	38.1	63.5	353.6			
M - 16 w ith 100mm hex	12.7	69.5	31.0	166.9	69.5	38.1	63.5	353.6			
M - 16 w ith 105mm hex	12.7	75.0	31.0	166.9	75.0	38.1	63.5	353.6			
M - 16 w ith 115mm hex	12.7	80.5	31.0	166.9	80.5	38.1	63.5	353.6			
M - 16 w ith 125mm hex	12.7	86.0	31.0	166.9	86.0	38.1	63.5	353.6			

M - 32	MAX.	TORQU	E: 33,	908 Nm	ı @ 700	BAR		
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
M - 32 with 90mm hex	16.9	68.2	41.4	222.5	68.2	50.8	84.8	471.4
M - 32 with 100mm hex	16.9	73.7	41.4	222.5	73.7	50.8	84.8	471.4
M - 32 with 105mm hex	16.9	79.2	41.4	222.5	79.2	50.8	84.8	471.4
M - 32 with 115mm hex	16.9	84.7	41.4	222.5	84.7	50.8	84.8	471.4
M - 32 with 125mm hex	16.9	90.2	41.4	222.5	90.2	50.8	84.8	471.4
M - 32 with 135mm hex	16.9	95.7	41.4	222.5	95.7	50.8	84.8	471.4
M - 32 with 145mm hex	16.9	101.2	41.4	222.5	101.2	50.8	84.8	471.4
M - 32 with 155mm hex	16.9	106.7	41.4	222.5	106.7	50.8	84.8	471.4

M - 64	M - 64 MAX. TORQUE: 66,227 Nm @ 700 BAR									
Metric Description	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"		
M - 64 with 125mm hex	20.9	94.1	51.8	278.1	94.1	63.5	106.2	589.3		
M - 64 with 135mm hex	20.9	99.6	51.8	278.1	99.6	63.5	106.2	589.3		
M - 64 with 145mm hex	20.9	105	51.8	278.1	105	63.5	106.2	589.3		
M - 64 with 155mm hex	20.9	110.6	51.8	278.1	110.6	63.5	106.2	589.3		
M - 64 with 165mm hex	20.9	116.1	51.8	278.1	116.1	63.5	106.2	589.3		
M - 64 with 175mm hex	20.9	121.6	51.8	278.1	121.6	63.5	106.2	589.3		
M - 64 with 185mm hex	20.9	127.1	51.8	278.1	127.1	63.5	106.2	589.3		
M - 64 with 195mm hex	20.9	132.6	51.8	278.1	132.6	63.5	106.2	589.3		

#### 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.

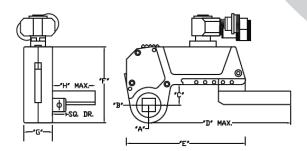
The multi-plane universal V Drive reaction arm has the largest reaction area of any tool. There are eight different settings along the length of the tool, 360 degree adjustability and height adjustable settings to fit more applications than ever.





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	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



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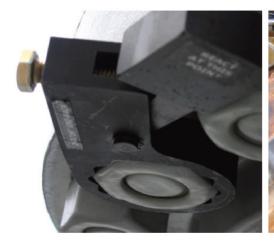




## NORWOLF® Uni-Back® Benefits:

- Stops opposite nut from turning
- Fits on all standard API fl ange applications.
- 1/2 turn of screw releases all torsion.
- No more hammering off of knocker wrenches.
- Custom confi guration available.

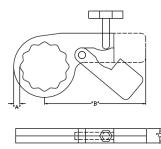


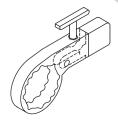




# UNI-BACK Holding Wrench

# 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"	

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#### 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-MANI-4PT-D



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

