

TORQUE WRENCH

LOW CLEARANCE - TWLC

Max Torque 39,024 Nm at 700 bar
(28,800 lb-ft at 10,000 psi)



TORQUE WRENCH LOW CLEARANCE

The TWLC Series Wrench was designed for the most inaccessible bolting areas found in the industry. Its long neck, short height and small radius have all added to its great success.



Several link sizes are available for each drive.

Combine a drive body with a link to make a wrench. Each are sold separately.

**TWSD CONVERSION CHART,
SEE PAGE 121**

OK FOR SUBSEA



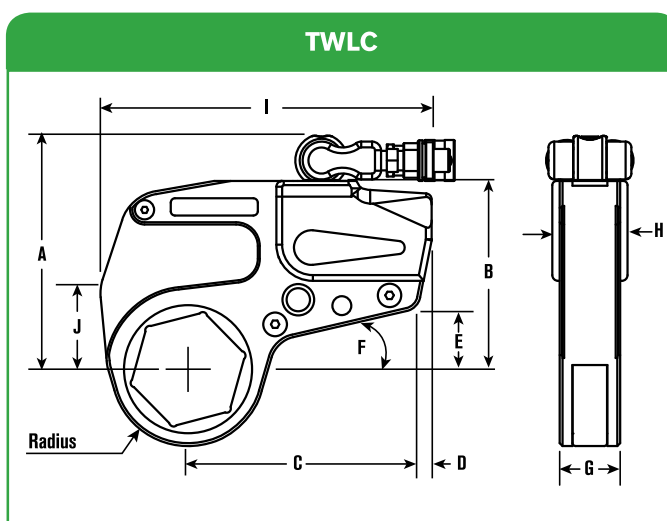
Torque Wrench Handle



SEE PAGE 14

Specifications and Dimensional Data

- Low weight, high strength design
- Superior torsional strength
- Fast operation cycle
- Fine tooth ratchet
- Floating piston design
- Link pin does not fall out
- Auto-connect drive piston
- Compact frame size
- Rigid steel body construction
- Swivel manifold internal relief valve prevents retract side over-pressurization
- “Hardened” steel reaction pad on TWLC8, 15 & 30
- Small nose radius
- Corrosion resistant finish
- Multi-axis high flow swivel manifold
- Simple design
- Consistent torque output



- Quick interchangeable heads, no tools necessary
- Replaceable reaction pad on larger models

Body Order No.	A		B		C		D		E		F	G		H	
	mm	in	mm	in	mm	in	mm	in	mm	in	deg	mm	in	mm	in
TWLC2	136	5.4	103	4.1	128	5	8	0.3	35	1.4	13	32	1.3	42	1.7
TWLC4	163	6.4	130	5.1	159	6.3	9	0.4	43	1.7	13	42	1.7	52	2
TWLC8	195	7.7	158	6.2	177	7	24.5	1	40	1.6	14	54	2.1	67	2.6
TWLC15	223	8.8	186	7.3	200	7.9	27	1.1	43	1.7	14	63	2.5	76	3
TWLC30	276	10.9	239	9.4	267	10.5	26	1	62	2.4	15	82	3.2	94	3.7

Body Order No.	Hex Range				Min Torque		Max Torque		Weight (Body Only)	
	mm	mm	in	in	Nm	lb-ft	Nm	lb-ft	kg	lb
TWLC2	26	60	1	2-3/8	256	189	2,134	1,575	1.0	2.2
TWLC4	33	80	1-5/16	3-1/8	646	477	5,386	3,975	2.0	4.4
TWLC8	49	100	1-7/8	3-15/16	1,293	954	10,772	7,950	3.5	7.7
TWLC15	62	116	2-7/16	4-5/8	2,415	1,782	20,122	14,850	7.0	15.4
TWLC30	80	155	3-1/8	6-1/16	4,683	3,456	39,024	28,800	14.5	31.9

CAUTION: Always read operating manual before using for proper use of tools and accessories.

NOTE: Reference dimensions shown and vary by links size. Exact dimensions can be found on our website.

Ordering Information

TO SPECIFY A TWLC SOLUTION:

1. Find a link for your application (nut size) (page 25-27)
2. Choose the appropriate Drive body (page 23)
3. Add reducers for additional nut sizes (pages 26-29)

Please order Drive Body and Link separately and pay attention to the same size, for Example TWLC2 and TWL2-041.

TORQUE WRENCH

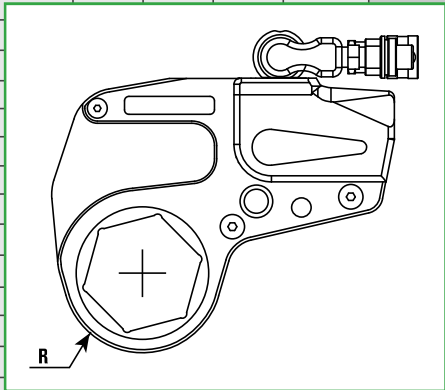
LOW CLEARANCE LINKS - TWLC

Parts Codes, Nose Radius

NOTE:

The sizes listed on these pages encompass both heavy hex and standard hex nut sizes. Check your local SPX FLOW Bolting Office for availability as some items may be special order.

Nut A/F		Link Order No.	TWLC2				Link Order No.	TWLC4				Link Order No.	TWLC8													
Inch	Metric		Radius R mm (in)	I mm (in)	J mm (in)	Weight (Link Only) kg (lb)		Radius R mm (in)	I mm (in)	J mm (in)	Weight (Link Only) kg (lb)		Radius R mm (in)	I mm (in)	J mm (in)	Weight (Link Only) kg (lb)										
1	26	TWL2-026																								
1-1/16	27	TWL2-027																								
1-1/8	29	TWL2-029																								
1-3/16	30	TWL2-030	31.5 (1.2)	180 (7.1)	38 (1.5)	2 (4.4)																				
1-1/4	32	TWL2-032																								
1-5/16	33	TWL2-033																								
1-3/8	35	TWL2-035																								
1-7/16	36	TWL2-036																								
1-1/2	38	TWL2-150	34.5 (1.4)	181 (7.1)	40 (1.6)	2 (4.4)	TWL4-033	36.5 (1.4)	227 (8.9)	53 (2.1)	4 (8.8)															
1-9/16	40	TWL2-040					TWL4-035																			
1-5/8	41	TWL2-041					TWL4-036																			
1-11/16	43	TWL2-043					TWL4-150																			
1-3/4	44	TWL2-044	37 (1.5)	183 (7.2)	40 (1.6)	2 (4.4)	TWL4-040	39 (1.5)	227 (8.9)	53 (2.1)	4 (8.8)															
1-13/16	46	TWL2-046					TWL4-041																			
1-7/8	48	TWL2-188					TWL4-043																			
1-15/16	49	TWL2-049	40 (1.6)	185 (7.3)	43 (1.7)	2 (4.4)	TWL4-044	42 (1.7)	227 (8.9)	53 (2.1)	4 (8.8)	TWL8-188	50.5 (2.0)	274 (10.8)	77 (3.0)	7 (15.4)										
2	50	TWL2-050					TWL4-046																	TWL8-049		
2-1/16	52	TWL2-052	42.5 (1.7)	185 (7.3)	43 (1.7)	2 (4.4)	TWL4-188	44.5 (1.8)	227 (8.9)	53 (2.1)	4 (8.8)	TWL8-050														
2-1/8	54	TWL2-054					TWL4-052																TWL8-052			
2-3/16	55	TWL2-055					TWL4-054																TWL8-054			
2-1/4	57	TWL2-057					TWL4-055																TWL8-055			
2-5/16	59	TWL2-059	45.5 (1.8)	185 (7.3)	43 (1.7)	2 (4.4)	TWL4-225	47.5 (1.9)	227 (8.9)	53 (2.1)	4 (8.8)	TWL8-057														
2-3/8	60	TWL2-060					TWL4-059																TWL8-059			
2-7/16	62						TWL4-060					TWL8-060														
2-1/2	63						TWL4-062	50 (2.0)	227 (8.9)	53 (2.1)	4 (8.8)	TWL8-062														
2-9/16	65						TWL4-063									TWL8-063										
2-5/8	67						TWL4-065									TWL8-065										
2-11/16	68						TWL4-067	53 (2.1)	229 (9.0)	56 (2.2)	4 (8.8)	TWL8-067														
2-3/4	70						TWL4-068									TWL8-068										
2-13/16	71						TWL4-070					TWL8-070														
2-7/8	73						TWL4-071	55.5 (2.2)	229 (9.0)	56 (2.2)	4.5 (9.9)	TWL8-071														
2-15/16	75						TWL4-073									TWL8-073										
3	77						TWL4-075									TWL8-075										
3-1/16	78						TWL4-077	59 (2.3)	230 (9.1)	58 (2.3)	4.5 (9.9)	TWL8-077														
3-1/8	80						TWL4-313									TWL8-313										
3-3/16	81						TWL4-080					TWL8-080														
3-1/4	83											TWL8-081														
3-5/16	84											TWL8-083														
3-3/8	85											TWL8-084														
3-7/16	87											TWL8-085														
	89											TWL8-087														
3-1/2	90											TWL8-089														
3-9/16	91											TWL8-090														
3-5/8	92											TWL8-091														
3-11/16	94											TWL8-092														
3-3/4	95											TWL8-094														
3-13/16	97											TWL8-095														
	99											TWL8-097														
3-7/8	100											TWL8-388														
												TWL8-100														



MORE SOLUTIONS ON NEXT PAGE

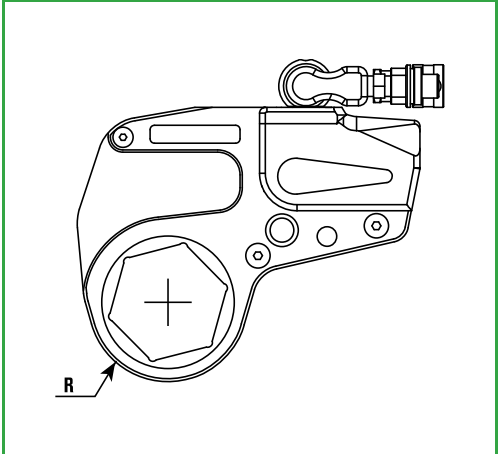
Ordering Information

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2. Choose the appropriate Drive body (page 23)
3. Add reducers for additional nut sizes (pages 28-29)

Please order Drive Body and Link separately and pay attention to the same size, for Example TWLC2 and TWL2-041.

Nut A/F		Link Order No.	TWLC15				TWLC30					Nut A/F		Link Order No.	TWLC30 (Continued)												
Inch	Metric		Radius R mm (in)	I mm (in)	J mm (in)	Weight (Link Only) kg (lb)	Link Order No.	Radius R mm (in)	I mm (in)	J mm (in)	Weight (Link Only) kg (lb)	Inch	Metric		Radius R mm (in)	I mm (in)	J mm (in)	Weight (Link Only) kg (lb)									
2-7/16	62	TWL15-062	60.5 (2.4)	313 (12.3)	88 (3.5)	12.5 (27.5)						4-13/16	122	99 (3.9)	400 (15.7)	109 (4.3)	28.5 (62.7)										
2-1/2	63	TWL15-063																	123	TWL30-123							
2-9/16	65	TWL15-065																	4-7/8	124	TWL30-124						
2-5/8	67	TWL15-067																	4-15/16	125	TWL30-125						
2-11/16	68	TWL15-068																	5	127	TWL30-500						
2-3/4	70	TWL15-070																	5-1/16	129	TWL30-129						
2-13/16	71	TWL15-071																	5-1/8	130	TWL30-130						
2-7/8	73	TWL15-073	63 (2.5)	313 (12.3)	88 (3.5)	12.5 (27.5)						5-3/16	132	TWL30-132	105 (4.1)	400 (15.7)	109 (4.3)	28.5 (62.7)									
2-15/16	75	TWL15-075												5-1/4					133	TWL30-133							
3	77	TWL15-077												5-3/8					135	TWL30-135							
3-1/16	78	TWL15-313	66.5 (2.6)				313 (12.3)	88 (3.5)	13 (28.6)										137	TWL30-538							
3-1/8	80	TWL15-080																			5-7/16	138	TWL30-138	110 (4.3)	400 (15.7)	109 (4.3)	28.5 (62.7)
3-3/16	81	TWL15-081																			5-1/2	140	TWL30-140				
3-1/4	83	TWL15-083																			5-9/16	141	TWL30-141				
3-5/16	84	TWL15-084												5-5/8	143	TWL30-143											
3-3/8	85	TWL15-085	72 (2.8)	313 (12.3)	80 (3.1)	13.5 (29.7)									5-11/16	144	TWL30-144										
3-7/16	87	TWL15-087															5-3/4	145	TWL30-145								
	89	TWL15-089												146	TWL30-146												
3-1/2	90	TWL15-090												5-13/16	148	TWL30-148											
3-9/16	91	TWL15-091												5-7/8	149	TWL30-149											
3-5/8	92	TWL15-092												150	TWL30-150												
3-11/16	94	TWL15-094	78 (3.1)				316 (12.4)	80 (3.1)	13.5 (29.7)						5-15/16	151	TWL30-151	116 (4.6)	400 (15.7)	109 (4.3)	29.5 (64.9)						
3-3/4	95	TWL15-095												6	152	TWL30-152											
3-13/16	97	TWL15-097												6-1/16	154	TWL30-154											
	99	TWL15-388												6-1/8	155	TWL30-155											
3-7/8	100	TWL15-100																									
4	102	TWL15-102																									
4-1/16	103	TWL15-103	82.5 (3.2)	316 (12.4)	80 (3.1)	14 (30.8)																					
4-1/8	105	TWL15-105																									
4-3/16	106	TWL15-106																									
4-1/4	108	TWL15-425																									
4-5/16	110	TWL15-110																									
4-3/8	111	TWL15-111																									
4-7/16	113	TWL15-113																									
4-1/2	114	TWL15-114	87.5 (3.4)	316 (12.4)	80 (3.1)	14 (30.8)																					
	115	TWL15-115																									
4-9/16	116	TWL15-116																									
4-5/8	117	TWL15-463																									
4-11/16	119																										
4-3/4	120																										



MORE SOLUTIONS ON NEXT PAGE

12 point links available upon request. Please contact factory.