



AQUAMAX TENSIONER ANSI B16.5 WN FLANGES

AquaMax Tensioner tool selection chart for ANSI B16.5 weld neck flanges

NOM BORE	NPS (DN)	FLANGE RATING															
		150 # (PN20)		300 # (PN50)		600 # (PN100)		900 # (PN150)		1500 # (PN250)		2500 # (PN420)					
1 1/4" (24)												AM03 ⁽¹⁾	4 x 1" (M27)				
1 1/2" (40)																	
2" (50)												AM02 AM03	8 x 7/8" (M24)	AM02 AM03	8 x 7/8" (M24)	AM03 AM04	8 x 1" (M27)
2 1/2" (63.5)				AM01 ⁽¹⁾ AM02 ⁽¹⁾	8 x 3/4" (M20)	AM01 ⁽¹⁾ AM02 ⁽¹⁾	8 x 3/4" (M20)			AM03 AM04	8 x 1" (M27)						
3" (76.2)				AM01 AM02	8 x 3/4" (M20)	AM01 AM02	8 x 3/4" (M20)	AM02 AM03	8 x 7/8" (M24)	AM04 AM05	8 x 1 1/8" (M30)	AM05 AM06	8 x 1 1/4" (M33)				
3 1/2" (88.9)				AM01 AM02	8 x 3/4" (M20)												
4" (101.6)				AM01 AM02	8 x 3/4" (M20)	AM02 AM03	8 x 7/8" (M24)	AM04 AM05	8 x 1 1/8" (M30)	AM05 AM06	8 x 1 1/4" (M33)	AM07 AM08	8 x 1 1/2" (M39)				
5" (127)		AM01 ⁽¹⁾	8 x 3/4" (M20)	AM01 AM02	8 x 3/4" (M20)	AM03 AM04	8 x 1" (M27)	AM05 AM06	8 x 1 1/4" (M33)	AM07 AM08	8 x 1 1/2" (M39)	AM09 AM10	8 x 1 3/4" (M45)				
6" (152.4)		AM01 ⁽¹⁾	8 x 3/4" (M20)	AM01 AM02	12 x 3/4" (M20)	AM03 AM04	12 x 1" (M27)	AM04 AM05	12 x 1 1/8" (M30)	AM06 AM07	12 x 1 3/8" (M36)	AM11	8 x 2" (M52)				
8" (203.2)		AM01 ⁽¹⁾	8 x 3/4" (M20)	AM02 AM03	12 x 7/8" (M24)	AM04 AM05	12 x 1 1/8" (M30)	AM06 AM07	12 x 1 3/8" (M36)	AM08 AM09 ⁽¹⁾	12 x 1 5/8" (M42)	AM11	12 x 2" (M52)				
10" (254)		AM01 AM02 ⁽¹⁾	12 x 7/8" (M24)	AM03 AM04	16 x 1" (M27)	AM05 AM06	16 x 1 1/4" (M33)	AM06 AM07	16 x 1 3/8" (M36)	AM10 AM11	12 x 1 7/8" (M48)	AM13 AM14	12 x 2 1/2" (M64)				
12" (304.8)		AM02 AM03	12 x 7/8" (M24)	AM04 AM05	16 x 1 1/8" (M30)	AM05 AM06	20 x 1 1/4" (M33)	AM06 AM07	20 x 1 3/8" (M36)	AM11 ⁽¹⁾ AM12	16 x 2" (M52)	AM14 AM15	12 x 2 3/4" (M68)				
14" (354.3)		AM03 AM04	12 x 1" (M27)	AM04 AM05	20 x 1 1/8" (M30)	AM06 AM07	20 x 1 3/8" (M36)	AM07 AM08	20 x 1 1/2" (M39)	AM12 AM13	16 x 2 1/4" (M56)						
16" (406.4)		AM03 AM04	16 x 1" (M27)	AM05 AM06	20 x 1 1/4" (M33)	AM07 AM08	20 x 1 1/2" (M39)	AM08 AM09	20 x 1 5/8" (M42)	AM13 AM14	16 x 2 1/2" (M64)						
18" (457.2)		AM04 AM05	16 x 1 1/8" (M30)	AM05 AM06	24 x 1 1/4" (M33)	AM08 AM09	20 x 1 5/8" (M42)	AM10 AM11	20 x 1 7/8" (M48)	AM14 AM15	16 x 2 3/4" (M68)						
20" (508)		AM04 AM05	20 x 1 1/8" (M30)	AM05 AM06	24 x 1 1/4" (M33)	AM08 AM09	24 x 1 5/8" (M42)	AM11 AM12	20 x 2" (M52)	AM15 AM16	16 x 3" (M76)						
24" (609.6)		AM05 AM06	20 x 1 1/4" (M33)	AM07 AM08	24 x 1 1/2" (M39)	AM10 AM11	24 x 1 7/8" (M48)	AM13 AM14	20 x 2 1/2" (M64)	AM17 AM18	16 x 3 1/2" (M90)						
26" (660.4)		AM05 AM06	24 x 1 1/4" (M33)	AM08 AM09	28 x 1 5/8" (M42)	AM10 AM11	28 x 1 7/8" (M48)	AM14 AM15	20 x 2 3/4" (M68)								
28" (711.2)		AM05 AM06	28 x 1 1/4" (M33)	AM08 AM09	28 x 1 5/8" (M42)	AM11 AM12 ⁽²⁾	28 x 2" (M52)	AM15 AM16 ⁽¹⁾	20 x 3" (M76)								
30" (762)		AM05 AM06	28 x 1 1/4" (M33)	AM09 AM10	28 x 1 3/4" (M45)	AM11 AM12	28 x 2" (M52)	AM15 AM16	20 x 3" (M76)								
32" (812.8)		AM07 AM08	28 x 1 1/2" (M39)	AM10 AM11	28 x 1 7/8" (M48)	AM12	28 x 2 1/4" (M56)	AM16 AM17	20 x 3 1/4" (M85)								
34" (863.6)		AM07 AM08	32 x 1 1/2" (M39)	AM10 AM11	28 x 1 7/8" (M48)	AM12	28 x 2 1/4" (M56)	AM17 AM18	20 x 3 1/2" (M90)								
36" (914.4)		AM07 AM08	32 x 1 1/2" (M39)	AM11 AM12	32 x 2" (M52)	AM13 AM14	28 x 2 1/2" (M64)	AM17 AM18	20 x 3 1/2" (M90)								

1) Bolts must be central in holes or bolt protrusion must be staggered either side of the flange.
 2) Bolt protrusion must be staggered either side of the flange.



AQUAMAX TENSIONER SPO COMPACT WN FLANGES

AquaMax Tensioner tool selection chart for SPO Compact weld neck flanges

NOM BORE	NPS (DN)	FLANGE RATING														
		CL 150		CL 300		CL 600		CL 900		CL 1500		CL 2500		CL 4500		
2 1/2" (65)												AM01 ⁽¹⁾	8 x 3/4" (M20)	AM01 ⁽¹⁾	8 x 3/4" (M20)	
3" (80)													AM02	8 x 7/8" (M22)	AM02	8 x 7/8" (M22)
4" (100)										AM01	12 x 3/4" (M20)	AM03	8 x 1" (M24)	AM02	12 x 7/8" (M22)	
5" (125)										AM02	12 x 7/8" (M22)	AM03	12 x 1" (M24)	AM04	12 x 1 1/8" (M30)	
6" (150)										AM03	12 x 1" (M24)	AM04	12 x 1 1/8" (M30)	AM05	12 x 1 1/4" (M33)	
8" (200)								AM01	20 x 3/4" (M20)	AM02 ⁽¹⁾	20 x 3/4" (M20)	AM03	16 x 1" (M24)	AM06	12 x 1 3/8" (M36)	
10" (250)				AM01	20 x 3/4" (M20)	AM02	20 x 7/8" (M22)	AM03	20 x 1" (M24)	AM05	16 x 1 1/4" (M33)	AM06	16 x 1 1/2" (M39)	AM07	12 x 1 7/8" (M48)	
12" (300)				AM02	20 x 7/8" (M22)	AM03 ⁽¹⁾	20 x 7/8" (M22)	AM03	20 x 1" (M24)	AM05	20 x 1 1/4" (M33)	AM06 ⁽¹⁾	16 x 1 3/4" (M45)	AM09	16 x 1 7/8" (M48)	
14" (350)				AM02	24 x 7/8" (M22)	AM03 ⁽¹⁾	24 x 7/8" (M22)	AM03	24 x 1" (M24)	AM06	20 x 1 3/8" (M36)	AM07 ⁽¹⁾	16 x 1 7/8" (M48)	AM10	16 x 2" (M52)	
16" (400)			AM01	24 x 3/4" (M20)	AM02 ⁽¹⁾	AM03	24 x 1" (M25)	AM04	24 x 1 1/8" (M30)	AM05	24 x 1 1/4" (M33)	AM07	20 x 1 1/2" (M39)	AM08	16 x 2 1/4" (M56)	
18" (450)			AM01	28 x 3/4" (M20)	AM04	28 x 1 1/8" (M30)	AM05	24 x 1 1/8" (M30)	AM06	24 x 1 1/4" (M33)	AM09	20 x 1 3/4" (M45)	AM12	16 x 2 1/4" (M56)	AM13	16 x 2 1/2" (M64)
20" (500)			AM02	24 x 7/8" (M22)	AM04	28 x 1 1/8" (M30)	AM05	AM06	24 x 1 3/8" (M36)	AM07	24 x 1 3/8" (M36)	AM10	20 x 1 7/8" (M48)	AM11	16 x 2 1/2" (M64)	
22" (550)			AM02	28 x 7/8" (M22)	AM03 ⁽¹⁾	AM05	24 x 1 1/4" (M33)	AM06	24 x 1 1/2" (M39)	AM07	24 x 1 1/2" (M39)	AM08	20 x 2" (M52)	AM12	16 x 3" (M76)	
24" (600)	AM01	24 x 3/4" (M20)	AM02	AM03	28 x 1" (M24)	AM04	28 x 1 1/4" (M33)	AM05	28 x 1 1/4" (M33)	AM06	24 x 1 5/8" (M42)	AM07	20 x 2 1/4" (M56)	AM08	16 x 3 1/4" (M85)	
26" (650)	AM01	24 x 3/4" (M20)	AM02	AM03	32 x 1" (M24)	AM04 ⁽¹⁾	AM05	AM06 ⁽¹⁾	32 x 1 1/4" (M33)	AM09	24 x 1 3/4" (M45)	AM10	20 x 2 1/4" (M56)	AM11		
28" (700)	AM01	28 x 3/4" (M20)	AM02	AM03	32 x 1" (M24)	AM04	AM05	AM06	32 x 1 3/8" (M36)	AM07	24 x 1 3/4" (M45)	AM09	24 x 2 1/4" (M56)	AM10		
30" (750)	AM01	32 x 3/4" (M20)	AM02	AM04	32 x 1 1/8" (M30)	AM05	AM06	AM07	36 x 1 3/8" (M36)	AM08	24 x 1 7/8" (M48)	AM10	24 x 2 1/2" (M64)	AM11		
32" (800)	AM01	36 x 3/4" (M20)	AM02	AM04	32 x 1 1/8" (M30)	AM05	AM06	AM07	32 x 1 1/2" (M39)	AM08 ⁽¹⁾	24 x 2" (M52)	AM10	24 x 2 1/2" (M64)	AM11		
34" (850)	AM01	40 x 3/4" (M20)	AM02	AM05	32 x 1 1/4" (M33)	AM06	AM07	AM08	32 x 1 5/8" (M42)	AM09 ⁽¹⁾	24 x 2 1/4" (M56)	AM12	24 x 3 1/4" (M85)	AM13		
36" (900)	AM02	32 x 7/8" (M22)	AM03	AM05	32 x 1 1/4" (M33)	AM06	AM07	AM08	32 x 1 5/8" (M42)	AM09	24 x 2 1/4" (M56)	AM12	20 x 3 1/4" (M85)	AM13		
38" (950)	AM02	36 x 7/8" (M22)	AM03	AM05	36 x 1 1/4" (M33)	AM06	AM07	AM08	32 x 1 3/4" (M45)	AM09	24 x 2 1/2" (M64)	AM13	20 x 3 1/2" (M90)	AM14		
40" (1000)	AM02	40 x 7/8" (M22)	AM03	AM05	40 x 1 1/4" (M33)	AM06	AM07	AM08	32 x 1 3/4" (M45)	AM09	24 x 2 1/2" (M64)	AM13	24 x 3 1/4" (M85)	AM14		
42" (1050)	AM02	44 x 7/8" (M22)	AM03	AM06	36 x 1 3/8" (M36)	AM07	AM10	AM11 ⁽¹⁾	32 x 1 7/8" (M48)	AM12	28 x 2 1/2" (M64)	AM13	20 x 3 3/4" (M95)	AM14		
44" (1100)	AM02	44 x 7/8" (M22)	AM03	AM06	40 x 1 3/8" (M36)	AM07	AM10	AM11 ⁽¹⁾	36 x 1 7/8" (M48)	AM12	28 x 2 1/2" (M64)	AM13	24 x 3 1/2" (M90)	AM14		
46" (1150)	AM02	48 x 7/8" (M22)	AM03	AM07	36 x 1 1/2" (M39)	AM08	AM11	AM12	36 x 2" (M52)	AM13	28 x 2 3/4" (M68)	AM14	24 x 3 3/4" (M95)	AM15		
48" (1200)	AM02	52 x 7/8" (M22)	AM03	AM07	36 x 1 1/2" (M39)	AM08	AM11	AM12	36 x 2" (M52)	AM13	28 x 3" (M76)	AM14	24 x 3 3/4" (M95)	AM15		

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