

▼ W4206X cassette with W4000PX drive unit



Setting New Standards in Safety, Simplicity and Performance



Two Handle Styles

Robust angled positioning handles come standard with every W-Series (X-Edition) tool. Straight positioning handles, designed for extreme limited access applications, are available as accessories.

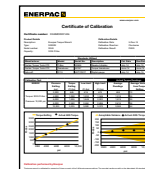
Compatible W-Series (X-Edition) Wrenches	Angled Positioning Handles (standard)	Straight Positioning Handles (optional)
W2000X, W4000X	SWH6A	SWH6S
W8000X, W15000X	SWH10A	SWH10S
W22000X, W35000X	Supplied with an eyebolt handle (SWH10EA)	



TSP - Pro Series Swivel

The optional TSP300 tilt and swivel manifold with robust interlocking design provides 360° X-axis rotation and 160° Y-axis rotation.

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Calibration Certificate

All X-Edition cassettes are CE-ATEX certified, factory calibrated and are shipped complete with a calibration certificate.

CE  II 2 GD ck T4
CSA/SIRA 15XT072



Bolting Integrity Software

Enerpac Bolting Integrity Software Solutions play a key role in implementing and managing an Integrity Program for bolted connections. The software offers Tool selection, Bolt Load calculations and Tool pressure settings, as well as, a combined Application Data Sheet and Joint Completion Report. Custom Joint information can also be entered.

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Safety and Performance

- Superior strength to size ratio provides easy access to difficult to reach applications without sacrificing endurance
- 30° rotation angle and rapid return stroke provide fast operation
- Tough manifold design with added safety feature for enhanced operator safety

Simplicity

- Fast release drive unit enables rapid exchange of cassettes, no tools required and no pins to lose
- Drive unit includes robust handle which mounts on both sides to allow for extra maneuverability
- Quick and easy disassembly for maintenance without special tools

Versatility

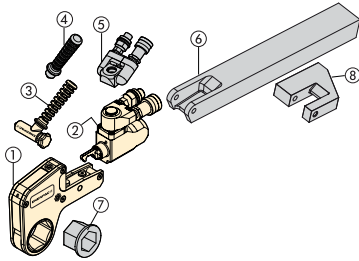
- Available with optional enhanced tilt and swivel TSP300 manifold for horizontal and vertical maneuverability, with greater durability*
- X-Edition drive units, cassettes and most accessories are compatible with standard edition tools*
- Drive unit compatible with UltraSlim cassettes

Accuracy

- Constant torque output provides accuracy of +/-3% across full stroke

* TSP300 is designed for X-Edition tools only, and is not compatible with standard edition tools. For replacement components for existing tools, refer to repair sheet on www.enerpac.com

X-Edition Hexagon Wrenches



- ① Hexagon Cassette
- ② Drive Unit
- ③ Angled Positioning Handle
- ④ Straight Positioning Handle (optional)
- ⑤ Pro Series Swivel (optional)
- ⑥ Extended Reaction Arm (optional)
- ⑦ Reducer Insert (optional)
- ⑧ Reaction Paddle (optional)



Hexagon Cassettes and Reducer Inserts

Full range of interchangeable hexagon cassettes and reducing inserts provides maximum versatility.

Refer to pages 250 - 257.

W Series (X-Edition)



Nominal Torque at 10,000 psi:

35,000 ft.lbs

Hexagon Range:

1 $\frac{1}{16}$ - 6 $\frac{1}{8}$ in | 30-155 mm

Nose Radius:

1.22 - 4.52 inches

Maximum Operating Pressure:

10,000 psi

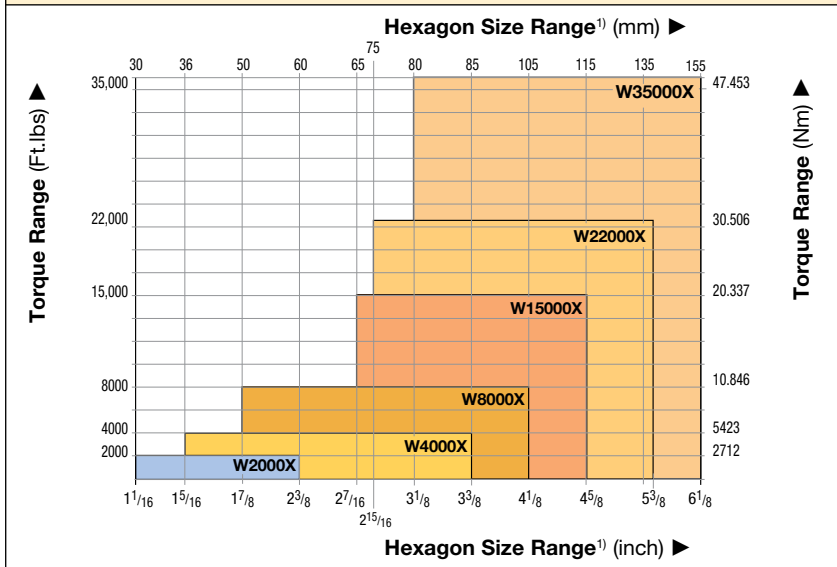


Torque Wrench Pump Selection Matrix

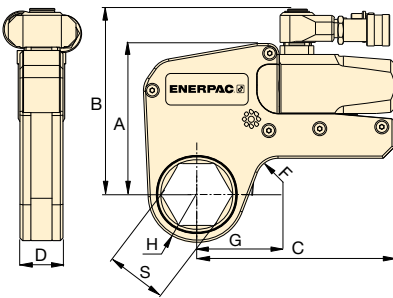
For optimum speed and performance see the torque wrench and pump matrix.

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DRIVE UNIT AND INTERCHANGEABLE CASSETTE SELECTION



¹⁾ See page 411 for table of hexagon sizes of bolts, nuts and related thread diameters.

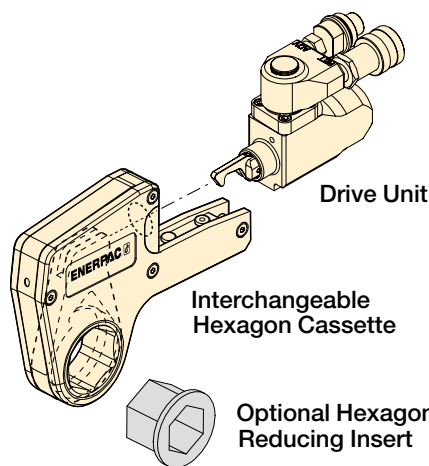
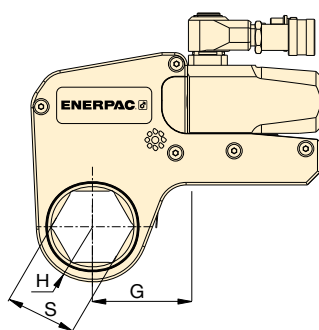


SELECTION CHART

Hexagon Range *		Nominal Torque at 10,000 psi		Drive Unit Model Number **	Minimum Torque		Dimensions (see pages 250-257 for dimensions G, H, and S)					Weight (Drive unit without hexagon cassette)
(in)	(mm)	(Ft.lbs)	(Nm)		(Ft.lbs)	(Nm)	(in)					(lbs)
1 $\frac{1}{16}$ - 2 $\frac{3}{8}$	30 - 60	2040	2766	W2000X	204	277	A	B	C	D	F	3.04
1 $\frac{5}{16}$ - 3 $\frac{3}{8}$	36 - 85	4175	5661	W4000X	418	566	5.35	6.57	7.01	1.61	0.79	4.44
1 $\frac{7}{8}$ - 4 $\frac{1}{8}$	50 - 105	8470	11,484	W8000X	847	1148	6.77	8.07	8.19	2.07	0.98	6.59
2 $\frac{7}{16}$ - 4 $\frac{5}{8}$	65 - 115	15,330	20,785	W15000X	1533	2079	8.15	9.45	9.96	2.48	0.79	10.72
2 $\frac{5}{16}$ - 5 $\frac{3}{8}$	75 - 135	22,500	30,506	W22000X	2250	3050	8.94	10.46	11.68	3.03	1.38	16.98
3 $\frac{1}{8}$ - 6 $\frac{1}{8}$	80-155	35,000	47,453	W35000X	3500	4745	10.54	11.94	13.60	3.57	1.98	26.40

* With in-line reaction foot.

** To order a W-series (X-Edition) wrench fitted with the TSP swivel, insert a "P" prior to the "X" in the tool designation. e.g., W2000PX.



W Series (X-Edition)



Nominal Torque at 10,000 psi:

2040 ft.lbs

Hexagon Range:

1¹/₁₆ - 2³/₈ inches

Maximum Operating Pressure:

10,000 psi



Metric Sizes

For metric sizes of hexagon cassettes and reducer inserts see:

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Back-Up Spanners

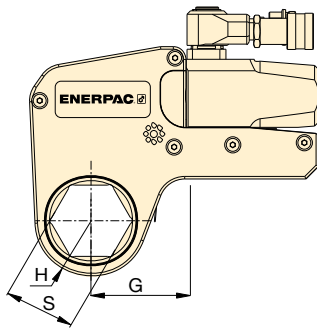
Hands free tool to be used to stop back nut from turning during make up or break out.

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▼ SELECTION CHART

Drive Unit Model Number	Hexagon Size	Nose Radius	Dim. G (in)	Model Number	Wt. (lbs)						
						Hexagon Reducer (in)	Model Number	Hexagon Reducer (in)	Model Number	Hexagon Reducer (in)	Model Number
W2000X	1 ¹ / ₁₆	1.22	2.11	W2101X	4.19	—	—	—	—	—	—
	1 ¹ / ₈	1.22	2.11	W2102X	4.19	—	—	—	—	—	—
	1 ³ / ₁₆	1.22	2.11	W2103X	4.19	—	—	—	—	—	—
	1 ¹ / ₄	1.22	2.11	W2104X	4.19	—	—	—	—	—	—
	1 ⁵ / ₁₆	1.22	2.11	W2105X	4.48	—	—	—	—	—	—
	1 ³ / ₈	1.22	2.11	W2106X	4.43	—	—	—	—	—	—
	1 ⁷ / ₁₆	1.22	2.11	W2107X	4.37	1 ⁷ / ₁₆ - 1 ¹ / ₈	W2107R102	—	—	—	—
	1 ¹ / ₂	1.32	2.29	W2108X	4.51	—	—	—	—	—	—
	1 ⁹ / ₁₆	1.32	2.29	W2109X	4.44	—	—	—	—	—	—
	1 ⁵ / ₈	1.32	2.29	W2110X	4.38	1 ⁵ / ₈ - 1 ¹ / ₄	W2110R104	1 ⁵ / ₈ - 1 ³ / ₁₆	W2110R103	—	—
	1 ¹¹ / ₁₆	1.44	2.38	W2111X	4.63	—	—	—	—	—	—
	1 ³ / ₄	1.44	2.38	W2112X	4.57	—	—	—	—	—	—
	1 ¹³ / ₁₆	1.44	2.38	W2113X	4.46	1 ¹³ / ₁₆ - 1 ⁷ / ₁₆	W2113R107	1 ¹³ / ₁₆ - 1 ¹ / ₄	W2113R104	—	—
	1 ⁷ / ₈	1.54	2.48	W2114X	4.69	—	—	—	—	—	—
	1 ¹⁵ / ₁₆	1.54	2.48	W2115X	4.64	—	—	—	—	—	—
	2	1.54	2.48	W2200X	4.54	2 - 1 ⁵ / ₈	W2200R110	2 - 1 ⁷ / ₁₆	W2200R107	—	—
	2 ¹ / ₁₆	1.65	2.70	W2201X	4.83	—	—	—	—	—	—
	2 ¹ / ₈	1.65	2.70	W2202X	4.74	—	—	—	—	—	—
	2 ³ / ₁₆	1.65	2.70	W2203X	4.64	2 ³ / ₁₆ - 1 ¹³ / ₁₆	W2203R113	2 ³ / ₁₆ - 1 ⁵ / ₈	W2203R110	2 ³ / ₁₆ - 1 ⁷ / ₁₆	W2203R107
	2 ¹ / ₄	1.75	2.55	W2204X	4.94	—	—	—	—	—	—
	2 ⁵ / ₁₆	1.75	2.55	W2205X	4.84	—	—	—	—	—	—
	2 ³ / ₈	1.75	2.55	W2206X	4.72	2 ³ / ₈ - 2	W2206R200	2 ³ / ₈ - 1 ⁷ / ₈	W2206R114	2 ³ / ₈ - 1 ¹³ / ₁₆	W2206R113
	—	—	—	—	—	2 ³ / ₈ - 1 ¹ / ₂	W2206R108	2 ³ / ₈ - 1 ⁷ / ₁₆	W2206R107	2 ³ / ₈ - 1 ⁵ / ₈	W2206R110

W4000X Series Imperial Cassettes & Reducer Inserts



Nominal Torque at 10,000 psi:

4175 ft.lbs

Hexagon Range:

1⁵/₁₆ - 3³/₈ inches

Maximum Operating Pressure:

10,000 psi

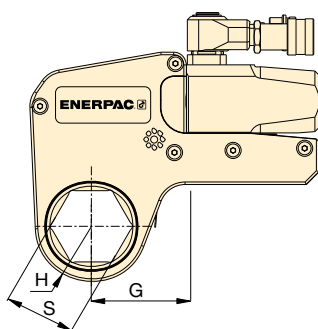
W
Series
(X-Edition)



▼ SELECTION CHART

Drive Unit Model Number	Hexagon Size	Nose Radius	Dim.	Model Number	Wt.						
							Model Number		Model Number		Model Number
	S (in)	H (in)	G (in)		(lbs)	Hexagon Reducer (in)		Hexagon Reducer (in)		Hexagon Reducer (in)	
W4000X	1 ⁵ / ₁₆	1.46	2.40	W4105X	8.15	—	—	—	—	—	—
	1 ³ / ₈	1.46	2.40	W4106X	8.15	—	—	—	—	—	—
	1 ⁷ / ₁₆	1.46	2.40	W4107X	8.15	—	—	—	—	—	—
	1 ¹ / ₂	1.46	2.40	W4108X	8.31	—	—	—	—	—	—
	1 ⁹ / ₁₆	1.46	2.40	W4109X	8.22	—	—	—	—	—	—
	1 ⁵ / ₈	1.46	2.40	W4110X	8.15	—	—	—	—	—	—
	1 ¹¹ / ₁₆	1.56	2.52	W4111X	8.43	—	—	—	—	—	—
	1 ³ / ₄	1.56	2.52	W4112X	8.35	—	—	—	—	—	—
	1 ¹³ / ₁₆	1.56	2.52	W4113X	8.25	—	—	—	—	—	—
	1 ⁷ / ₈	1.63	2.63	W4114X	8.45	—	—	—	—	—	—
	1 ¹⁵ / ₁₆	1.63	2.63	W4115X	8.39	—	—	—	—	—	—
	2	1.63	2.63	W4200X	8.28	2 - 1 ⁷ / ₁₆	W4200R107	—	—	—	—
	2 ¹ / ₁₆	1.73	2.89	W4201X	8.65	—	—	—	—	—	—
	2 ¹ / ₈	1.73	2.89	W4202X	8.53	—	—	—	—	—	—
	2 ³ / ₁₆	1.73	2.89	W4203X	8.42	2 ³ / ₁₆ - 1 ⁵ / ₈	W4203R110	2 ³ / ₁₆ - 1 ⁷ / ₁₆	W4203R107	2 ³ / ₁₆ - 1 ¹ / ₄	W4203R104
	2 ¹ / ₄	1.83	2.78	W4204X	8.73	—	—	—	—	—	—
	2 ⁵ / ₁₆	1.83	2.78	W4205X	8.61	—	—	—	—	—	—
	2 ³ / ₈	1.83	2.78	W4206X	8.47	2 ³ / ₈ - 2	W4206R200	2 ³ / ₈ - 1 ¹³ / ₁₆	W4206R113	2 ³ / ₈ - 1 ⁷ / ₁₆	W4206R107
	—	—	—	—	—	2 ³ / ₈ - 1 ³ / ₈	W4206R106	—	—	—	—
	2 ⁷ / ₁₆	1.95	3.00	W4207X	8.96	2 ⁷ / ₁₆ - 2	W4207R200	—	—	—	—
	2 ¹ / ₂	1.95	3.00	W4208X	8.86	2 ¹ / ₂ - 2	W4208R200	2 ¹ / ₂ - 1 ¹³ / ₁₆	W4208R113	2 ¹ / ₂ - 2 ¹ / ₁₆	W4208R201
	2 ⁹ / ₁₆	1.95	3.00	W4209X	8.67	2 ⁹ / ₁₆ - 2 ³ / ₁₆	W4209R203	2 ⁹ / ₁₆ - 2 ¹ / ₈	W4209R202	—	—
	—	—	—	—	—	2 ⁹ / ₁₆ - 2	W4209R200	2 ⁹ / ₁₆ - 1 ¹³ / ₁₆	W4209R113	—	—
	2 ⁵ / ₈	2.07	3.08	W4210X	9.14	—	—	—	—	—	—
	2 ¹¹ / ₁₆	2.07	3.08	W4211X	9.03	—	—	—	—	—	—
	2 ³ / ₄	2.07	3.08	W4212X	8.84	2 ³ / ₄ - 2 ³ / ₈	W4212R206	2 ³ / ₄ - 2 ³ / ₁₆	W4212R203	2 ³ / ₄ - 2 ¹ / ₈	W4212R202
	2 ¹³ / ₁₆	2.18	3.21	W4213X	9.32	—	—	—	—	—	—
	2 ⁷ / ₈	2.18	3.21	W4214X	9.17	—	—	—	—	—	—
	2 ¹⁵ / ₁₆	2.18	3.21	W4215X	8.96	2 ¹⁵ / ₁₆ - 2 ³ / ₁₆	W4215R209	2 ¹⁵ / ₁₆ - 2 ³ / ₈	W4215R206	2 ¹⁵ / ₁₆ - 2 ³ / ₁₆	W4215R203
	—	—	—	—	—	2 ¹⁵ / ₁₆ - 2	W4215R200	—	—	—	—
	3	2.30	3.29	W4300X	9.51	3 - 2 ³ / ₁₆	W4300R203	—	—	—	—
	3 ¹ / ₁₆	2.30	3.29	W4301X	9.42	—	—	—	—	—	—
	3 ¹ / ₈	2.30	3.29	W4302X	9.16	—	—	3 ¹ / ₈ - 2 ³ / ₄	W4302R212	3 ¹ / ₈ - 2 ⁹ / ₁₆	W4302R209
	—	—	—	—	—	3 ¹ / ₈ - 2 ⁵ / ₁₆	W4302R206	3 ¹ / ₈ - 2 ⁵ / ₁₆	W4302R205	3 ¹ / ₈ - 2 ¹ / ₄	W4302R204
	—	—	—	—	—	3 ¹ / ₈ - 2 ³ / ₁₆	W4302R203	3 ¹ / ₈ - 2 ¹ / ₈	W4302R202	3 ¹ / ₈ - 2	W4302R200
	3 ³ / ₁₆	2.44	3.37	W4303X	9.92	—	—	—	—	—	—
	3 ¹ / ₄	2.44	3.37	W4304X	9.92	—	—	—	—	—	—
	3 ⁵ / ₁₆	2.44	3.37	W4305X	9.92	—	—	—	—	—	—
	3 ³ / ₈	2.44	3.37	W4306X	9.92	—	—	—	—	—	—

W8000X Series Imperial Cassettes & Reducer Inserts **ENERPAC**



Nominal Torque at 10,000 psi:

8470 ft.lbs

Hexagon Range:

1 $\frac{7}{8}$ - 4 $\frac{1}{8}$ inches

Maximum Operating Pressure:

10,000 psi

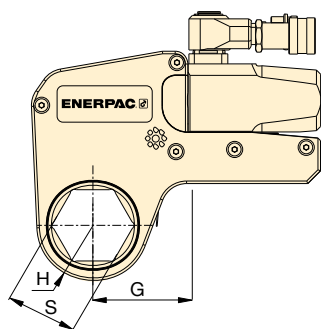
W
Series
(X-Edition)



▼ SELECTION CHART

Drive Unit Model Number	Hexagon Size	Nose Radius	Dim.	Model Number	Wt.						
						Hexagon Reducer	Model Number	Hexagon Reducer	Model Number	Hexagon Reducer	Model Number
W8000X	S (in)	H (in)	G (in)		(lbs)	(in)		(in)		(in)	
	1 $\frac{7}{8}$	1.77	3.08	W8114X	17.97	-	-	-	-	-	-
	1 $\frac{15}{16}$	1.77	3.08	W8115X	17.89	-	-	-	-	-	-
	2	1.77	3.08	W8200X	17.75	-	-	-	-	-	-
	2 $\frac{1}{16}$	1.89	3.15	W8201X	17.52	-	-	-	-	-	-
	2 $\frac{1}{8}$	1.89	3.15	W8202X	17.36	-	-	-	-	-	-
	2 $\frac{3}{16}$	1.89	3.15	W8203X	17.22	-	-	-	-	-	-
	2 $\frac{1}{4}$	2.01	3.25	W8204X	17.92	-	-	-	-	-	-
	2 $\frac{5}{16}$	2.01	3.25	W8205X	17.76	-	-	-	-	-	-
	2 $\frac{3}{8}$	2.01	3.25	W8206X	17.59	-	-	-	-	-	-
	2 $\frac{7}{16}$	2.07	3.38	W8207X	17.65	-	-	-	-	-	-
	2 $\frac{1}{2}$	2.07	3.38	W8208X	17.52	-	-	-	-	-	-
	2 $\frac{9}{16}$	2.07	3.38	W8209X	17.29	2 $\frac{9}{16}$ - 2	W8209R200	-	-	-	-
	2 $\frac{5}{8}$	2.20	3.34	W8210X	17.50	-	-	-	-	-	-
	2 $\frac{11}{16}$	2.20	3.34	W8211X	17.36	-	-	-	-	-	-
	2 $\frac{3}{4}$	2.20	3.34	W8212X	17.12	2 $\frac{3}{4}$ - 2 $\frac{3}{16}$	W8212R203	-	-	-	-
	2 $\frac{13}{16}$	2.28	3.35	W8213X	17.57	-	-	-	-	-	-
	2 $\frac{7}{8}$	2.28	3.35	W8214X	17.38	-	-	-	-	-	-
	2 $\frac{15}{16}$	2.28	3.35	W8215X	17.11	2 $\frac{15}{16}$ - 2 $\frac{3}{8}$	W8215R206	2 $\frac{15}{16}$ - 2 $\frac{3}{8}$	W8215R203	-	-
	3	2.38	3.52	W8300X	17.77	-	-	-	-	-	-
	3 $\frac{1}{16}$	2.38	3.52	W8301X	17.65	-	-	-	-	-	-
	3 $\frac{1}{8}$	2.38	3.52	W8302X	17.33	3 $\frac{1}{8}$ - 2 $\frac{9}{16}$	W8302R209	3 $\frac{1}{8}$ - 2 $\frac{3}{8}$	W8302R206	3 $\frac{1}{8}$ - 2 $\frac{3}{16}$	W8302R203
	-	-	-	-	-	3 $\frac{1}{8}$ - 2	W8302R200	-	-	-	-
	3 $\frac{3}{16}$	2.60	3.63	W8303X	18.99	-	-	-	-	-	-
	3 $\frac{1}{4}$	2.60	3.63	W8304X	18.72	-	-	-	-	-	-
	3 $\frac{5}{16}$	2.60	3.63	W8305X	18.54	-	-	-	-	-	-
	3 $\frac{3}{8}$	2.60	3.63	W8306X	18.36	-	-	-	-	-	-
	3 $\frac{7}{16}$	2.60	3.63	W8307IX	18.11	-	-	-	-	-	-
	3 $\frac{1}{2}$	2.60	3.63	W8308X	17.81	3 $\frac{1}{2}$ - 3	W8308R300	3 $\frac{1}{2}$ - 2 $\frac{15}{16}$	W8308R215	3 $\frac{1}{2}$ - 2 $\frac{3}{4}$	W8308R212
	3 $\frac{9}{16}$	2.91	4.05	W8309X	20.36	-	-	-	-	-	-
	3 $\frac{5}{8}$	2.91	4.05	W8310X	20.18	-	-	-	-	-	-
	3 $\frac{11}{16}$	2.91	4.05	W8311X	19.93	-	-	-	-	-	-
	3 $\frac{3}{4}$	2.91	4.05	W8312X	19.71	3 $\frac{3}{4}$ - 3 $\frac{1}{8}$	W8312R302	3 $\frac{3}{4}$ - 2 $\frac{15}{16}$	W8312R215	3 $\frac{3}{4}$ - 2 $\frac{3}{4}$	W8312R212
	3 $\frac{13}{16}$	2.91	4.05	W8313X	19.46	-	-	-	-	-	-
	3 $\frac{7}{8}$	2.91	4.05	W8314X	19.10	3 $\frac{7}{8}$ - 3 $\frac{1}{8}$	W8314R302	3 $\frac{7}{8}$ - 2 $\frac{15}{16}$	W8314R215	-	-
	3 $\frac{15}{16}$	3.13	4.33	W8315X	20.31	-	-	-	-	-	-
	4	3.13	4.33	W8400X	20.04	-	-	-	-	-	-
	4 $\frac{1}{16}$	3.13	4.33	W8401IX	19.80	-	-	-	-	-	-
	4 $\frac{1}{8}$	3.13	4.33	W8402X	19.39	-	-	-	-	-	-

W15000X Series Imperial Cassettes & Reducer Inserts



Nominal Torque at 10,000 psi:

15,330 ft.lbs

Hexagon Range:

2⁷/₁₆ - 4⁵/₈ inches

Maximum Operating Pressure:

10,000 psi

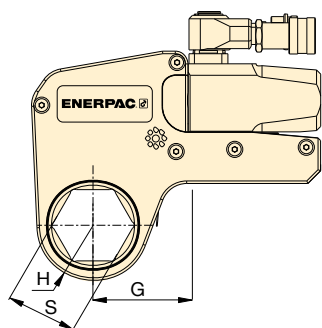
W
Series
(X-Edition)



▼ SELECTION CHART

Drive Unit Model Number	Hexagon Size	Nose Radius	Dim. G	Model Number	Wt. (lbs)						
						Hexagon Reducer (in)	Model Number	Hexagon Reducer (in)	Model Number	Hexagon Reducer (in)	Model Number
W15000X	S (in)	H (in)	G (in)								
	2 ⁷ / ₁₆	2.32	3.49	W15207X	30.72	—	—	—	—	—	—
	2 ¹ / ₂	2.32	3.49	W15208X	30.72	—	—	—	—	—	—
	2 ⁹ / ₁₆	2.32	3.49	W15209X	30.72	—	—	—	—	—	—
	2 ⁵ / ₈	2.32	3.49	W15210X	30.72	—	—	—	—	—	—
	2 ¹¹ / ₁₆	2.32	3.49	W15211X	30.72	—	—	—	—	—	—
	2 ³ / ₄	2.32	3.49	W15212X	30.72	—	—	—	—	—	—
	2 ¹³ / ₁₆	2.44	3.56	W15213X	30.62	—	—	—	—	—	—
	2 ⁷ / ₈	2.44	3.56	W15214X	30.39	—	—	—	—	—	—
	2 ¹⁵ / ₁₆	2.44	3.56	W15215X	30.08	—	—	—	—	—	—
	3	2.54	3.66	W15300X	30.86	3 - 2 ¹ / ₈	W15300R202	—	—	—	—
	3 ¹ / ₁₆	2.54	3.66	W15301X	30.71	—	—	—	—	—	—
	3 ¹ / ₈	2.54	3.66	W15302X	30.34	3 ¹ / ₈ - 2 ⁹ / ₁₆	W15302R209	—	—	—	—
	3 ³ / ₁₆	2.74	3.80	W15303X	32.38	—	—	—	—	—	—
	3 ¹ / ₄	2.74	3.80	W15304X	32.07	—	—	—	—	—	—
	3 ⁵ / ₁₆	2.74	3.80	W15305X	31.85	—	—	—	—	—	—
	3 ³ / ₈	2.74	3.80	W15306X	31.63	—	—	—	—	—	—
	3 ⁷ / ₁₆	2.74	3.80	W15307IX	31.32	—	—	—	—	—	—
	3 ¹ / ₂	2.74	3.80	W15308X	30.98	3 ¹ / ₂ - 2 ¹⁵ / ₁₆	W15308R215	3 ¹ / ₂ - 2 ³ / ₄	W15308R212	—	—
	3 ⁹ / ₁₆	2.95	4.01	W15309X	31.70	—	—	—	—	—	—
	3 ⁵ / ₈	2.95	4.01	W15310X	31.70	—	—	—	—	—	—
	3 ¹¹ / ₁₆	2.95	4.01	W15311X	31.70	—	—	—	—	—	—
	3 ³ / ₄	2.95	4.01	W15312X	31.70	3 ³ / ₄ - 3 ¹ / ₈	W15312R302	3 ³ / ₄ - 2 ¹⁵ / ₁₆	W15312R215	—	—
	3 ¹³ / ₁₆	2.95	4.01	W15313X	31.70	—	—	—	—	—	—
	3 ⁷ / ₈	2.95	4.01	W15314X	31.70	3 ⁷ / ₈ - 3 ¹ / ₈	W15314R302	3 ⁷ / ₈ - 2 ¹⁵ / ₁₆	W15314R215	—	—
	3 ¹⁵ / ₁₆	3.17	4.06	W15315X	34.02	—	—	—	—	—	—
	4	3.17	4.06	W15400X	33.70	—	—	—	—	—	—
	4 ¹ / ₁₆	3.17	4.06	W15401IX	33.41	—	—	—	—	—	—
	4 ¹ / ₈	3.17	4.06	W15402X	33.09	4 ¹ / ₈ - 3 ¹ / ₂	W15402R308	4 ¹ / ₈ - 3 ⁵ / ₁₆	W15402R305	4 ¹ / ₈ - 3 ¹ / ₄	W15402R304
	4 ³ / ₁₆	3.17	4.06	W15403IX	32.81	—	—	—	—	—	—
	4 ¹ / ₄	3.17	4.06	W15404X	32.29	4 ¹ / ₄ - 3 ¹ / ₂	W15404R308	4 ¹ / ₄ - 3 ¹ / ₈	W15404R302	—	—
	4 ⁵ / ₁₆	3.44	4.52	W15405X	35.61	—	—	—	—	—	—
	4 ³ / ₈	3.44	4.52	W15406X	35.32	—	—	—	—	—	—
	4 ⁷ / ₁₆	3.44	4.52	W15407X	34.99	—	—	—	—	—	—
	4 ¹ / ₂	3.44	4.52	W15408IX	34.63	—	—	—	—	—	—
	4 ⁹ / ₁₆	3.44	4.52	W15409IX	34.28	—	—	—	—	—	—
	4 ⁵ / ₈	3.44	4.52	W15410IX	33.72	4 ⁵ / ₈ - 3 ¹⁵ / ₁₆	W15410R315	4 ⁵ / ₈ - 3 ⁷ / ₈	W15410R314	4 ⁵ / ₈ - 3 ³ / ₄	W15410R312
	—	—	—	—	—	4 ⁵ / ₈ - 3 ¹ / ₂	W15410R308	—	—	—	—

W22000X Series Imperial Cassettes & Reducer Inserts **ENERPAC**



Nominal Torque at 10,000 psi:

22,500 ft.lbs

Hexagon Range:

2¹⁵/₁₆ - 5³/₈ inches

Maximum Operating Pressure:

10,000 psi

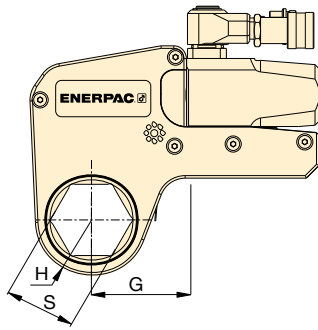
W
Series
(X-Edition)



▼ SELECTION CHART

Drive Unit Model Number	Hexagon Size	Nose Radius	Dim. G	Model Number	Wt. (lbs)						
						Hexagon Reducer (in)	Model Number	Hexagon Reducer (in)	Model Number	Hexagon Reducer (in)	Model Number
W22000X		2¹⁵/₁₆	2.64	4.02	W22215X	48.72	—	—	—	—	—
		3	2.64	4.02	W22300X	48.40	—	—	—	—	—
		3¹/₁₆	2.64	4.02	W22301X	48.22	—	—	—	—	—
		3¹/₈	2.64	4.02	W22302X	47.78	3 ¹ / ₈ - 2 ³ / ₈	W22302R206	3 ¹ / ₈ - 2 ³ / ₁₆	W22302R203	—
		3³/₁₆	2.85	4.23	W22303X	50.58	—	—	—	—	—
		3¹/₄	2.85	4.23	W22304X	50.19	—	—	—	—	—
		3⁵/₁₆	2.85	4.23	W22305X	49.92	—	—	—	—	—
		3³/₈	2.85	4.23	W22306X	49.66	—	—	—	—	—
		3⁷/₁₆	2.85	4.23	W22307X	50.29	—	—	—	—	—
		3¹/₂	2.85	4.23	W22308X	48.87	3 ¹ / ₂ - 2 ³ / ₄	W22308R212	3 ¹ / ₂ - 2 ⁹ / ₁₆	W22308R209	3 ¹ / ₂ - 2 ³ / ₈
		3⁹/₁₆	3.07	4.45	W22309X	51.58	—	—	—	—	—
		3⁵/₈	3.07	4.45	W22310X	51.30	—	—	—	—	—
		3¹¹/₁₆	3.07	4.45	W22311X	50.93	—	—	—	—	—
		3³/₄	3.07	4.45	W22312X	50.62	3 ³ / ₄ - 2 ¹⁵ / ₁₆	W22312R215	—	—	—
		3¹³/₁₆	3.07	4.45	W22313X	50.24	—	—	—	—	—
		3⁷/₈	3.07	4.45	W22314X	49.77	3 ⁷ / ₈ - 3 ¹ / ₈	W22314R302	3 ⁷ / ₈ - 2 ¹⁵ / ₁₆	W22314R215	3 ⁷ / ₈ - 2 ³ / ₄
		3¹⁵/₁₆	3.35	4.72	W22315X	53.57	—	—	—	—	—
		4	3.35	4.72	W22400X	53.19	—	—	—	—	—
		4¹/₁₆	3.35	4.72	W22401IX	52.82	—	—	—	—	—
		4¹/₈	3.35	4.72	W22402X	52.43	—	—	—	—	—
		4³/₁₆	3.35	4.72	W22403X	52.09	—	—	—	—	—
		4¹/₄	3.35	4.72	W22404X	51.48	4 ¹ / ₄ - 3 ¹ / ₂	W22404R308	4 ¹ / ₄ - 3 ¹ / ₈	W22404R302	4 ¹ / ₄ - 2 ¹⁵ / ₁₆
		4⁵/₁₆	3.54	4.92	W22405X	54.26	—	—	—	—	—
		4³/₈	3.54	4.92	W22406X	53.91	—	—	—	—	—
		4⁷/₁₆	3.54	4.92	W22407X	53.50	—	—	—	—	—
		4¹/₂	3.54	4.92	W22408IX	53.06	—	—	—	—	—
		4⁹/₁₆	3.54	4.92	W22409X	52.64	—	—	—	—	—
		4⁵/₈	3.54	4.92	W22410IX	51.99	4 ⁵ / ₈ - 3 ⁷ / ₈	W22410R314	4 ⁵ / ₈ - 3 ³ / ₄	W22410R312	4 ⁵ / ₈ - 3 ¹ / ₂
		4³/₄	3.74	5.12	W22412X	54.54	—	—	—	—	—
		4⁷/₈	3.74	5.12	W22414X	53.60	—	—	—	—	—
		5	3.74	5.12	W22500X	52.37	5 - 4 ¹ / ₄	W22500R404	5 - 4 ¹ / ₈	W22500R402	5 - 3 ⁷ / ₈
		5¹/₈	3.94	5.31	W22502X	55.10	—	—	—	—	—
		5³/₁₆	3.94	5.31	W22503X	54.71	—	—	—	—	—
		5¹/₄	3.94	5.31	W22504X	54.05	—	—	—	—	—
		5³/₈	3.94	5.31	W22506X	52.77	5 ³ / ₈ - 4 ⁵ / ₈	W22506R410	5 ³ / ₈ - 4 ¹ / ₄	W22506R404	5 ³ / ₈ - 4 ¹ / ₈
		—	—	—	W22506X	52.77	5 ³ / ₈ - 3 ⁷ / ₈	W22506R314	—	—	—

W35000X Series Imperial Cassettes & Reducer Inserts



▼ SELECTION CHART

Drive Unit Model Number	Hexagon Size	Nose Radius	Dim.	Model Number	Wt.		
						Hexagon Reducer (in)	Model Number
	S (in)	H (in)	G (in)		(lbs)		
W35000X	3 ¹ / ₈	3.02	4.99	W35302X	72.30	3 ¹ / ₈ – 2	W35302R200
	3 ³ / ₁₆	3.02	4.99	W35303X	72.10	–	–
	3 ¹ / ₄	3.02	4.99	W35304X	71.70	–	–
	3 ⁵ / ₁₆	3.02	4.99	W35305X	71.40	–	–
	3 ³ / ₈	3.02	4.99	W35306X	71.00	–	–
	3 ⁷ / ₁₆	3.02	4.99	W35307IX	70.50	–	–
	3 ¹ / ₂	3.02	4.99	W35308X	70.10	3 ¹ / ₂ – 2 ⁵ / ₁₆	W35308R205
	3 ⁹ / ₁₆	3.23	5.22	W35309X	71.40	–	–
	3 ⁵ / ₈	3.23	5.22	W35310X	73.40	–	–
	3 ¹¹ / ₁₆	3.23	5.22	W35311X	73.00	–	–
	3 ³ / ₄	3.23	5.22	W35312X	72.50	–	–
	3 ¹³ / ₁₆	3.23	5.22	W35313X	72.10	–	–
	3 ⁷ / ₈	3.23	5.22	W35314X	71.40	3 ⁷ / ₈ – 2 ¹¹ / ₁₆	W35314R211
	3 ¹⁵ / ₁₆	3.45	5.39	W35315X	70.80	3 ¹⁵ / ₁₆ – 2 ¹³ / ₁₆	W35315R213
	4	3.45	5.39	W35400X	74.70		–
	4 ¹ / ₁₆	3.45	5.39	W35401X	74.30	–	–
	4 ¹ / ₈	3.45	5.39	W35402X	73.90	–	–
	4 ³ / ₁₆	3.45	5.39	W35403X	73.40	–	–
	4 ¹ / ₄	3.45	5.39	W35404X	72.80	4 ¹ / ₄ – 3 ¹⁵ / ₁₆	W35404R301
	4 ⁵ / ₁₆	3.69	5.63	W35405X	76.90	–	–
	4 ³ / ₈	3.69	5.63	W35406X	76.50	–	–
	4 ⁷ / ₁₆	3.69	5.63	W35407X	76.10	–	–
	4 ¹ / ₂	3.69	5.63	W35408X	75.60	–	–
	4 ⁹ / ₁₆	3.69	5.63	W35409IX	75.20	–	–
	4 ⁵ / ₈	3.69	5.63	W35410IX	74.50	4 ⁵ / ₈ – 3 ⁵ / ₈	W35410R310
	4 ³ / ₄	3.91	5.85	W35412X	78.50	4 ³ / ₄ – 3 ³ / ₄	W35412R312
	4 ⁷ / ₈	3.91	5.85	W35414X	76.90	–	–
	5	3.91	5.85	W35500X	75.60	5 – 4	W35500R400
	5 ¹ / ₈	4.09	6.02	W35502X	78.90	5 ¹ / ₈ – 4 ¹ / ₈	W35502R402
	5 ³ / ₁₆	4.09	6.02	W35503X	78.50	–	–
	5 ¹ / ₄	4.09	6.02	W35504X	77.60	–	–
	5 ³ / ₈	4.09	6.02	W35506X	76.30	5 ³ / ₈ – 4 ⁵ / ₁₆	W35506R405
	5 ¹ / ₂	4.31	6.24	W35508X	79.80	–	–
	5 ⁹ / ₁₆	4.31	6.24	W35509X	79.40	–	–
	5 ⁵ / ₈	4.31	6.24	W35510X	78.50	–	–
	5 ³ / ₄	4.31	6.24	W35512X	76.90	5 ³ / ₄ – 4 ³ / ₄	W35512R412
5 ⁷ / ₈	4.52	6.46	W35514X	80.90	5 ⁷ / ₈ – 4 ⁷ / ₈	W35514R414	
6	4.52	6.46	W35600X	79.60	–		
6 ¹ / ₈	4.52	6.46	W35602X	77.80	6 ¹ / ₈ – 5 ¹ / ₈	W35602R502	

W35000X

W Series (X-Edition)



Nominal Torque at 10,000 psi:

35,000 ft.lbs

Hexagon Range:

3¹/₈ - 6¹/₈ inches

Maximum Operating Pressure:

10,000 psi



Back-Up Spanners

Hands free tool to be used to stop back nut from turning during make up or break out.

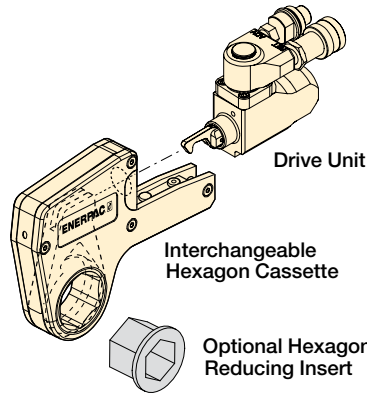
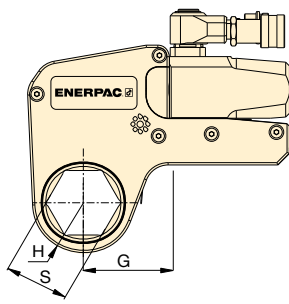
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Hexagon Bolt and Nut Sizes

See the table of hexagon sizes of bolts, nuts and related thread diameters.

Page: 411



W Series (X-Edition)



Hexagon Range:

24 - 105 mm

Maximum Operating Pressure:

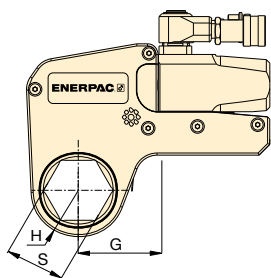
10,000 psi (690 bar)

▼ SELECTION CHART

Drive Unit Model Number	Hexagon Size*	Nose Radius	Dim.	Model Number	Wt.						
						Hexagon Reducer	Model Number	Hexagon Reducer	Model Number	Hexagon Reducer	Model Number
W2000X	S (mm)	H (in)	G (in)		(lbs)	(mm)		(mm)		(mm)	
	30	1.22	2.11	W2103X	4.19	-	-	-	-	-	-
	32	1.22	2.11	W2104X	4.19	-	-	-	-	-	-
	36	1.22	2.11	W2107X	4.19	-	-	-	-	-	-
	38	1.32	2.29	W2108X	4.51	-	-	-	-	-	-
	41	1.32	2.29	W2110X	4.38	41 - 32	W2110R104	41 - 30	W2110R103	41 - 24	W2110R024M
	46	1.44	2.38	W2113X	4.69	46 - 36	W2113R107	46 - 32	W2113R104	-	-
	50	1.54	2.48	W2200X	4.54	50 - 41	W2200R110	50 - 36	W2200R107	-	-
	55	1.65	2.70	W2203X	4.64	55 - 46	W2203R113	55 - 41	W2203R110	55 - 36	W2203R107
	60	1.75	2.55	W2206X	4.72	60 - 50	W2206R200	60 - 46	W2206R113	60 - 41	W2206R110
W4000X	-	-	-	-	-	60 - 36	W2206R107	-	-	-	-
	36	1.46	2.40	W4107X	7.72	-	-	-	-	-	-
	41	1.46	2.40	W4110X	7.72	-	-	-	-	-	-
	46	1.56	2.52	W4113X	7.94	-	-	-	-	-	-
	50	1.63	2.63	W4200X	8.28	50 - 36	W4200R107	-	-	-	-
	55	1.73	2.89	W4203X	8.42	55 - 41	W4203R110	55 - 36	W4203R107	55 - 32	W4203R104
	60	1.83	2.78	W4206X	8.47	60 - 50	W4206R200	60 - 46	W4206R113	60 - 36	W4206R107
	65	1.95	3.00	W4209X	8.67	65 - 55	W4209R203	65 - 50	W4209R200	65 - 46	W4209R113
	70	2.07	3.08	W4212X	8.84	70 - 60	W4212R206	70 - 55	W4212R203	-	-
	75	2.18	3.21	W4215X	8.96	75 - 65	W4215R209	75 - 60	W4215R206	-	-
	-	-	-	-	-	75 - 55	W4215R203	75 - 50	W4215R200	-	-
	80	2.30	3.29	W4302X	9.16	80 - 75	W4302R215	80 - 70	W4302R212	80 - 65	W4302R209
	-	-	-	-	-	80 - 55	W4302R203	80 - 50	W4302R200	-	-
	85	2.44	3.37	W4085MX	9.48	-	-	-	-	-	-
W8000X	50	1.77	3.08	W8200X	17.75	-	-	-	-	-	-
	55	1.89	3.15	W8203X	17.22	-	-	-	-	-	-
	60	2.01	3.25	W8206X	17.59	-	-	-	-	-	-
	65	2.07	3.38	W8209X	17.29	65 - 50	W8209R200	-	-	-	-
	70	2.07	3.34	W8212X	17.12	70 - 55	W8212R203	-	-	-	-
	75	2.28	3.35	W8215X	17.11	75 - 60	W8215R206	75 - 55	W8215R203	-	-
	80	2.38	3.52	W8302X	17.33	80 - 65	W8302R209	80 - 60	W8302R206	80 - 55	W8302R203
	-	-	-	-	-	80 - 50	W8302R200	-	-	-	-
	85	2.60	3.63	W8085MX	18.42	85 - 70	W8085R070M	85 - 65	W8085R065M	85 - 60	W8085R060M
	-	-	-	-	-	85 - 55	W8085R055M	-	-	-	-
	90	2.91	4.05	W8090MX	20.46	90 - 75	W8090R075M	-	-	-	-
	95	2.91	4.05	W8312X	19.71	95 - 80	W8312R302	95 - 75	W8312R215	-	-
	100	3.13	4.33	W8315X	20.31	-	-	-	-	-	-
	105	3.13	4.33	W8402X	19.39	-	-	-	-	-	-

* See page 411 for table of hexagon sizes of bolts, nuts and related thread diameters.

W-Series Metric Cassettes and Reducer Inserts



Hexagon Range:

50-155 mm

Maximum Operating Pressure:

10,000 psi (690 bar)

W
Series
(X-Edition)



▼ SELECTION CHART

Drive Unit Model Number	Hexagon Size	Nose Radius	Dim.	Model Number	Wt.				
	S (mm)	H (in)	G (in)		(lbs)	Hexagon Reducer (mm)	Model Number	Hexagon Reducer (mm)	Model Number
W15000X	65	2.32	3.49	W15209X	30.72	-	-	-	-
	70	2.32	3.49	W15212X	30.72	-	-	-	-
	75	2.44	3.56	W15215X	30.08	-	-	-	-
	80	2.54	3.66	W15302X	30.34	80-65	W15302R209	-	-
	85	2.74	3.80	W15085MX	31.70	85-70	W15085R070M	-	-
	90	2.95	4.01	W15090MX	33.32	90-75	W15090R075M	-	-
	95	2.95	4.01	W15312X	31.70	95-80	W15312R302	95 - 75	W15312R215
	100	3.17	4.06	W15315X	34.02	-	-	-	-
	105	3.17	4.06	W15402X	33.09	105-90	W15402R090M	-	-
	110	3.44	4.52	W15405X	35.61	110-95	W15110R095M	-	-
	115	3.44	4.52	W15115MX	34.48	115-100	W15115R100M	-	-
W22000X	75	2.64	4.02	W22215X	48.72	-	-	-	-
	80	2.64	4.02	W22302X	47.78	80-60	W22302R206	80 - 55	W22302R203
	85	2.85	4.23	W22085MX	49.74	85-65	W22085MR209	85 - 60	W22085MR206
	90	3.07	4.45	W22090MX	51.72	90-70	W22090M212	90 - 60	W22090MR206
	95	3.07	4.45	W22312X	50.62	95-75	W22312R215	-	-
	100	3.35	4.72	W22315X	53.57	-	-	-	-
	105	3.35	4.72	W22402X	52.09	-	-	-	-
	110	3.54	4.92	W22404X	51.48	-	-	-	-
	115	3.54	4.92	W22115MX	52.88	-	-	-	-
	120	3.74	5.12	W22412X	54.54	-	-	-	-
	123	3.74	5.12	W22123MX	53.80	-	-	-	-
	130	3.94	5.31	W22502X	55.10	-	-	-	-
	135	3.94	5.31	W22506X	52.77	135-105	W22506R402	-	-
	80	3.02	5.08	W35302X	72.30	80-50	W35302R200	-	-
W35000X	85	3.02	5.08	W35085MX	33.10	-	-	-	-
	90	3.23	5.33	W35090MX	34.30	90-60	W35090R206	-	-
	95	3.23	5.30	W35312X	72.50	-	-	-	-
	100	3.45	5.48	W35315X	70.80	-	-	-	-
	105	3.45	5.48	W35402X	73.90	-	-	-	-
	110	3.69	5.75	W35405X	76.90	110-85	W35405R085M	-	-
	115	3.69	5.75	W35115MX	77.10	-	-	-	-
	120	3.91	6.01	W35412X	78.50	120-95	W35412R312	-	-
	123	3.91	6.01	W35123MX	78.90	-	-	-	-
	130	4.09	6.30	W35502X	78.90	130-105	W35502R402	-	-
	135	4.09	6.30	W35506X	76.30	135-110	W35506R405	-	-
	140	4.31	6.43	W35508X	79.80	140-115	W35508R115M	-	-
	145	4.31	6.43	W35512X	76.90	145-120	W35512R412	-	-
	150	4.52	6.67	W35514X	80.90	-	-	-	-
	151	4.52	6.67	W35151MX	82.10	-	-	-	-
	155	4.52	6.67	W35602X	77.80	155-130	W35602R502	-	-