

SERIAL: PRESET TORQUE WRENCHES & INTERCHANGEABLE DRIVE ENDS



ISO 6789 - typez II - Classe C



The VB Interchangeable Drive Pre-Set Torque Wrenches are designed to withstand the abuse of modern high production lines and at the same time deliver hundreds of thousands of accurate cycles, each one the same as the one before. These wrenches are made from high alloy steel and scientifically heat treated to deliver the results that are demanded of them.

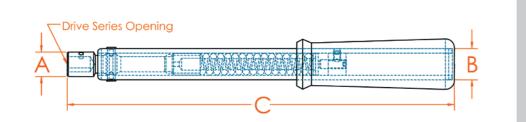


- Hard chrome plated.
- Production line tested. All steel construction.
- Heat treated. Locked in torque value cannot be changed or
- tampered with on production line. Torque value can be adjusted quickly in calibration lab or by on-line inspector.

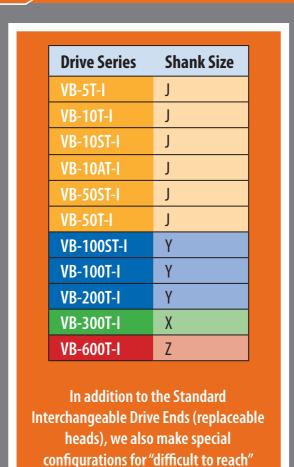
The interchangeable drive replacement operation is very simple: insert the replaceable head and lock it in place with a steel pin. When the drive end needs to be replaced, press the pin and the drive end is easily removed. The torque wrench features a loud audible click along with several degrees of free travel when the preset torque has been reached. It is difficult for the operator to ignore these signals which results in better torque operations being achieved. The torque handles operate in both right and left hand directions.

This is very important because when the torque wrench is used with and interchangeable drive end, such as the 15° offset open end drive end, the operator is able to "turn the wrench over" to utilize the 15° offset. The ability to "turn the wrench over" allows the operator to still be able to apply torque in close areas. Other torque wrenches that click in one direction only take away this important benefit from the assembly line operator.

There are 11 different models to choose from with torque outputs ranging from 1 to 600 ft. lbs. The torque values can be adjusted quickly and easily in your calibration lab. In addition to our wrenches being sealed, our exclusive side-set-locking-screw prevents any unauthorized personnel from tampering with the settings

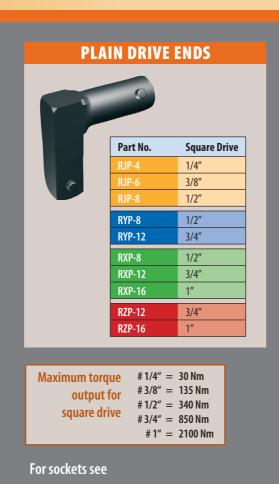


Model Number	Torque Range Ft-Lbs.	Torque Range Nm	Drive Series	A	В	c	Adjusting Tool Part No.	Weight
VB-5T-I **	1-5	1-7	RJ	1/16"	5/8"	6"	AT-0	6 oz.
VB-10T-I	3-9	4-13	RJ	1/16"	7/8"	6"	ATN-2	11 oz.
VB-10ST-I	7-25	9-34	RJ	1/16"	7/8"	6-1/8"	ATN-2	12 oz.
VB-10AT-I	7-25	9-34	RJ	1/16"	7/8"	7″	ATN-2	13 oz.
VB-50ST-I	10-50	13-68	RJ	1/16"	7/8"	9-1/8"	ATN-2	1.1 lbs.
VB-50T-I	10-50	13-68	RJ	1/16"	7/8"	11"	ATN-2	1.3 lbs.
VB-100ST-I	45-150	61-204	RY	15/16"	7/8"	14-1/2"	ATN-2	1.12 lbs.
VB-100T-I	45-150	61-204	RY	15/16"	7/8"	19-1/4"	ATN-3	2.25 lbs.
VB-200T-I	45-200	61-272	RY	15/16"	7/8"	23-1/4"	ATN-3	2.3 lbs.
VB-300T-I	100-300	135-406	RX	1-1/8"	1"	27-1/2"	ATN-4	3.75 lbs.
VB-600T-I **	200-600	270-813	RZ	1-5/16»	1-1/4"	55"*	ATN-4	10.6 lbs.
VB-1000T-I **	300-1000	407-1356	RZ	1-5/16»	1-1/4"	62″*		22 lbs.

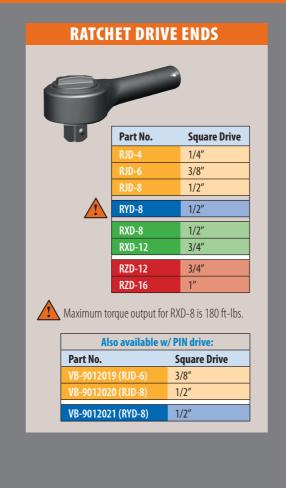


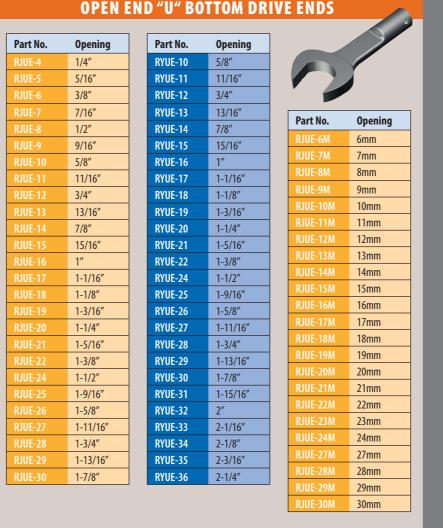
operations. Our specials can be made

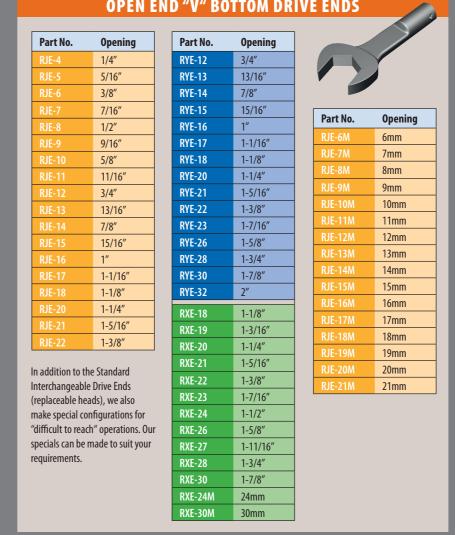
to suit your requirements.

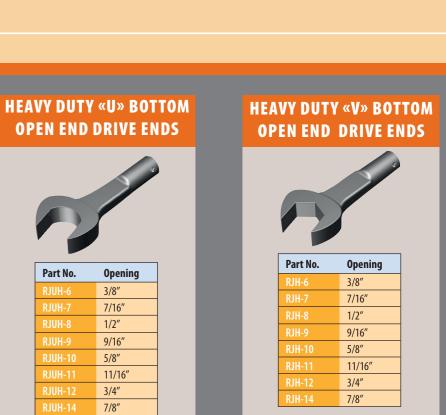


www.koken-tool.co.jp/en







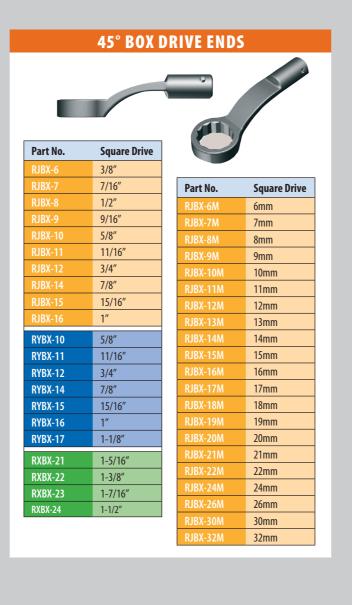


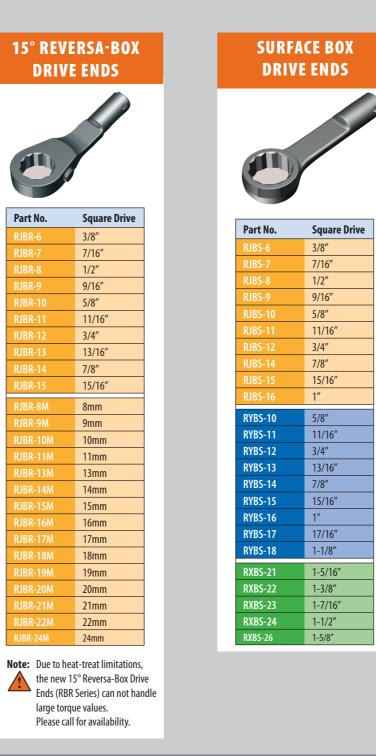
1-1/16"

1-1/8"

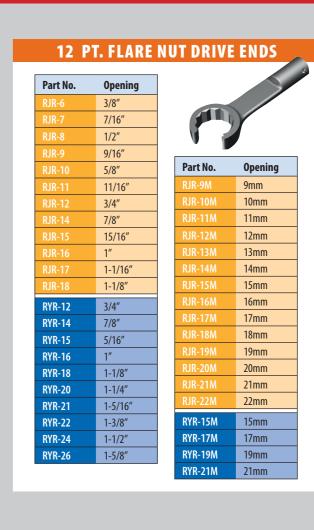
Most sizes not shown can be made. Please call for assistance and we will respond immediately. Torque capacity of drive ends may be limited by square drive size and/or by opening sizes. Please check your requirements.











	inch	mm		inch	mm	to convert to ft-lb , multipl	
	0.01969	0.50000		0.51181	13 mm	g-cm x 0.000072330	
1/32	0.03125	0.79375	17/32	0.53125	13.49375	kg-m x 7.2330	
	0.03937	1 mm		0.55118	14 mm	Nm x 0.73756	
1/16	0.06250	1.58750	9/16	0.56250	14.28750	in-oz x 0.0052083 in-lb x 0.083333	
	0.07874	2 mm		0.59055	15 mm	III-ID X 0.003333	
3/32	0.09375	2.38125	19/32	0.59375	15.08125	to convert to g-cm , multip	
	0.11811	3 mm	5/8	0.62500	15.87500	ft-lb x 13826	
1/8	0.12500	3.17500	0.62992 16 mm		kg-m x 100000		
5/32	0.15625	3.96875	21/32	0.65625	16.66875	Nm x 10197	
	0.15748	4 mm		0.66929	17 mm	in-oz x 72.01	
3/16	0.18750	4.76250	11/16	0.68750	17.46250	in-lb x 1152	
	0.19685	5 mm		0.70866	18 mm		
7/32	0.21875	5.55625	23/32	0.71875	18.25625	to convert to kg-m , multip	
	0.23622	6 mm		0.74803	19 mm	ft-lb x 0.1383	
1/4	0.25000	6.35000	3/4	0.75000	19.05000	g-cm x 0.000010004 Nm x 0.10197	
	0.27559	7 mm	25/32	0.78125	19.84375	in-oz x 0.00072008	
9/32	0.28125	7.14375	1	0.78740	20 mm	in-lb x 0.011525	
5/16	0.31250	7.93750	13/16	0.81250	20.63750		
	0.31496	8 mm		0.82677	21 mm	to convert to N-m , multiply	
11/32	0.34375	8.73125	27/32	0.84375	21,43125	ft-lb x 1.3558	
	0.35433	9 mm		0.86614	22 mm	g-cm x 0.000098067	
3/8	0.37500	9.52500	7/8	0.87500	22.22500	kg-m x 9.8067	
	0.39370	10 mm		0.90551	23 mm	in-oz x 0.0070616 in-lb x 0.112985	
13/32	0.40625	10.31875	29/32	0.90625	23.01875	IN-ID X U.112985	
	0.43307	11 mm	15/16	0.93750	23.81250	to convert to in-oz , multip	
7/16	0.43750	11.11250	1 127.12	0.94488	24 mm	ft-lb x 192	
15/32	0.46875	11.90625	31/32	0.96875	24.60625	g-cm x 0.013887	
	0.47244	12 mm		0.98425	25 mm	kg-m x 1388.74	
1/2	0.50000	12.70000	1	1.00000	25.40000	Nm x 141.61	
				1.00000	237.0000	in-lb x 16	
1.02362	26 mm	1.65354	42 mm	2.28346	58 mm	to convert to in the multiple	
1.06299	27 mm	1.69291	43 mm	2.32283	59 mm	to convert to in-lb , multipl ft-lb x 12	
1.10236	28 mm	1.73228	44 mm	2.36220	60 mm	g-cm x 0.00086796	
1.14173	29 mm	1.77165	45 mm	2.40157	61 mm	kg-m x 86.7962	
1.18110	30 mm	1.81102	46 mm	2.44094	62 mm	Nm x 8.8508	
1.22047	31 mm	1.85039	47 mm	2.48031	63 mm	in-oz x 0.0625	
1.25984	32 mm	1.88976	48 mm	2.51969	64 mm		
1.29921	33 mm	1.92913	49 mm	2.55906	65 mm		
1.33858	34 mm	1.96850	50 mm	2.59843	66 mm		
1.37795	35 mm	2.00787	51 mm	2.63780	67 mm		
1.41732	36 mm	2.04724	52 mm	2.67717	68 mm		
1.45669	37 mm	2.04724	53 mm	2.71654	69 mm		
1.49606	38 mm	2.12598	54 mm	2.75591	70 mm		
1.53543	39 mm	2.16535	55 mm	2.79528	70 mm		
		1	1				
1.57480	40 mm	2.20472	56 mm	2.83465	72 mm		

1.61417 | **41 mm** | 2.24409 | **57 mm** | 2.87402 | **73 mm**

Standard Interchangeable Drive Ends

Torque capacity of drive ends may be limited by square drive size and/or by opening sizes. Please check your requirements. Van F. Belknap Drive Ends are made with one thing in mind: **DURABILITY** We have been making drive ends to be used on different types of assembly lines for over 35 years. Whether you need them • extra thick or thin, straight or off-set, or

 with a special configuration or opening, our engineers and machinists will make the drive end that will work for you. Further, on sizes not shown we will be happy to work with you. Please call our engineering department for assistance.

