CAPT 凯普特传动
POWER TRANSMISSION

NSPT New Standard Power Transmission

Taper Bore Weld - On Hubs

BTL QTL STL

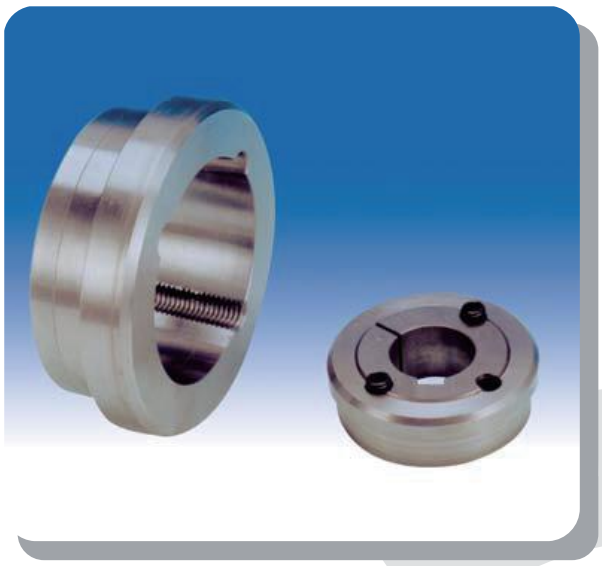
NSPT series of Weld-on Hubs can be used with assembled sprockets, flanges and fans. Working together with BTL, QTL or STL bushings, they can be installed in various transmission mechanisms.

NSPT series of Weld-on Hubs are made of high quality low carbon steel with excellent welding and mechanical capability. NSPT offers the whole series of BTL, QTL or STL bushings at the same time.

CAPT 凯普特传动

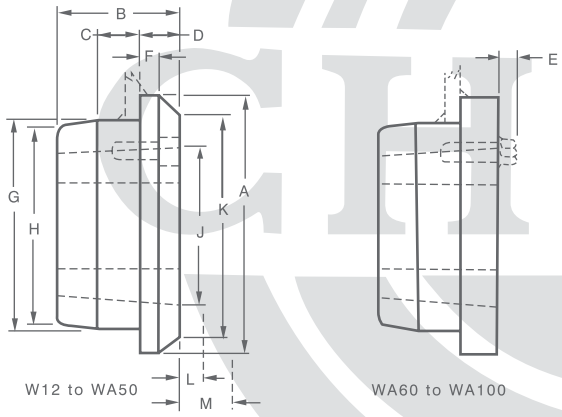
NSPT New Standard Power Transmission

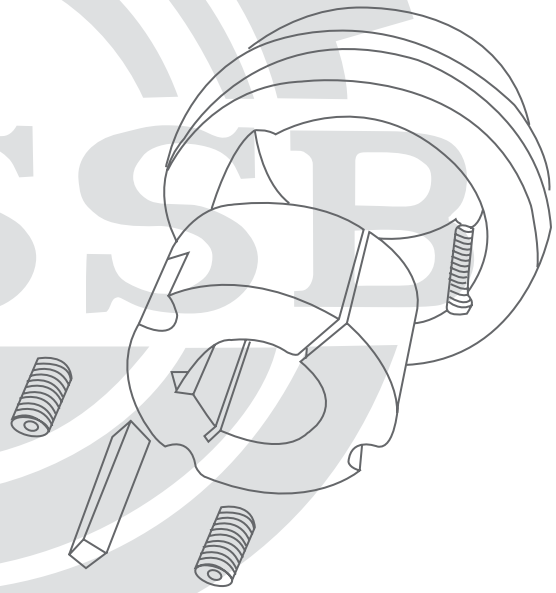
Taper Bore W/WA Weld-On Hubs BTL



Type W/WA Weld-On Hubs is made of steel, drilled, tapped and taper bored to be used with relevant taper bushings. They are widely used for welding onto fan motors, pulleys, plate wheels, impellers, agitators and many other devices that must be firmly fixed to shafts.

This type of weld-on hub is rugged in constructions with advantages of easy installation and good suitability for severe operating conditions. Its structure effectively eliminates mounting difficulties. It also prevents possible loosening or wear outs on the hubs during operations.



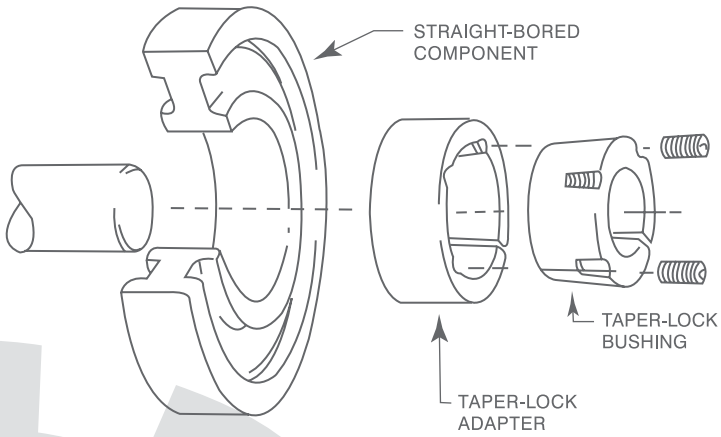


TYPE W-WA WELD - ON HUBS

HUB NO.	BUSH NO.	BORE	A	B	C	D	E	F	G	H	J	K	L	M	WT LBS
WA 12	1215	1-2～1-1/4	2 7/8	1 1/2	—	5/8	—	3/8	2 1/2	—	1 7/8	2 5/8	1-3/8	1 5/8	1.2
WA 16	1615	1/2～1-5/8	3 1/4	1 1/2	—	5/8	—	3/8	2 7/8	—	2 1/4	3	1-3/8	1 5/8	1.3
WA 25	2517	1-2～2-1/2	4 7/8	1 3/4	—	3/4	—	3/8	4 3/8	—	3 3/8	4 5/8	1-5/8	2 1/4	3.8
WA 30	3030	15/16～3	5 1/2	3	3/4	3/4	—	1/2	5 1/8	4 13/16	4 1/4	5	1-13/16	2 11/16	8.6
WA 35	3535	1 3/16～3 15/16	6 3/4	3 1/2	1 1/4	1	—	5/8	6 1/4	5 15/16	5	6	2	3 3/8	15
WA 40	4040	1 7/16～4 7/16	7 3/4	4	1 1/2	1	—	5/8	7 1/4	6 7/8	5 3/4	7	2-3/8	4 1/8	29
WA 45	4545	1 15/165～4 15/16	8 3/4	4 1/2	1 3/4	1	—	5/8	8	7 5/8	6 3/8	8	2-5/8	4 3/4	42
WA 50	5050	2 7/16～5	9 1/2	5	1 3/4	1	—	5/8	8 3/4	8 3/8	7	8 3/4	2-13/16	5 1/4	57
WA 60	6050	3 7/16～6	13 1/4	5	1 3/4	1 1/4	1 7/16	—	12 1/4	11 7/8	9 1/4	—	1-5/8	4 3/8	115
WA 70	7060	3 15/16～7	14 1/2	6	2 1/4	1 1/4	1 7/16	—	13 1/2	13 1/4	10 1/4	—	1-5/8	4 3/8	158
WA 80	8065	4 7/16～8	15 1/4	6 1/2	2 1/4	1 1/4	1 7/16	—	14 1/4	14	11 1/4	—	1-5/8	4 3/8	180
WA 100	10085	7～10	19 3/4	8 1/2	3 1/2	1 1/2	1 3/4	—	18 3/4	18 1/4	14 3/4	—	2	5 3/8	340

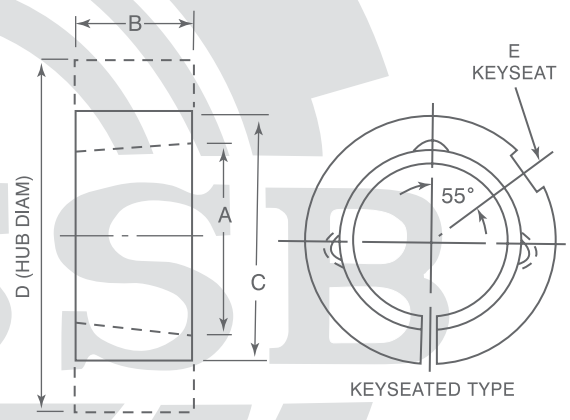
Taper Bore Adapters

BTL



Adapters for Taper Bushing are recommended for usage where it is more convenient to use a straight bore rather than to drill and tap to accommodate bushings.

The adapter is a taper bored sleeve of grey cast iron which fits into the straight bore of a hub. The bushing simply fits inside the adapter that is tapped for the bushing screws. When tightening the locking screws, the adapter is expanded against the hub bore, pressing the bushing tightly upon the shaft.

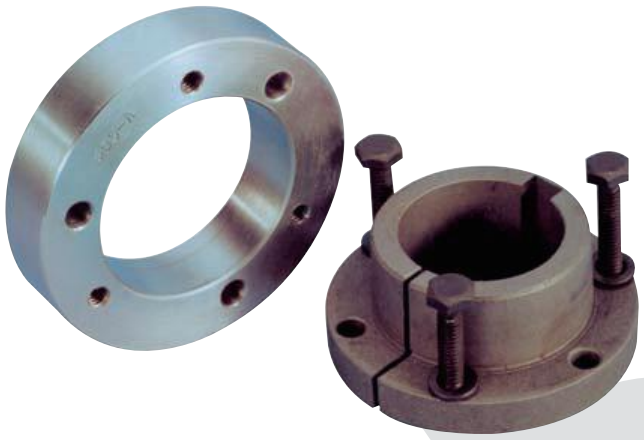


TAPER ADAPTERS

Adapter No.	Bush No.	A	B	C	D			E	Wt
					Class 20 Gray Iron	Class30 Gray Iron	Steel	Keyseat	
1215B	1215	1 7/8	1 1/2	2 3/8	3 5/8	3 3/8	3 1/4	1/4x1/8	0.7
1615B	1615	2 1/4	1 1/2	2 3/4	4	3 3/4	3 1/2	3/8x1/8	0.9
2517B	2517	3 3/8	1 3/4	4 1/8	5 7/8	5 1/2	5	5/8x1/8	2.2
2525B	2525	3 3/8	2 1/2	4 1/8	5 1/2	5 1/4	5	5/8x1/8	3.2
3030B	3030	4 1/4	3	5 1/8	7 3/8	6 7/8	6 1/4	3/4x3/16	5.8
3535B	3535	5	3 1/2	6 1/4	9 1/8	8 3/8	7 7/8	7/8x3/16	11.3
4040B	4040	5 3/4	4	7 1/4	11 1/8	10 1/8	9 3/8	1x3/16	17.3
4545B	4545	6 3/8	4 1/2	7 7/8	12	11	10 1/4	1x3/16	21.9

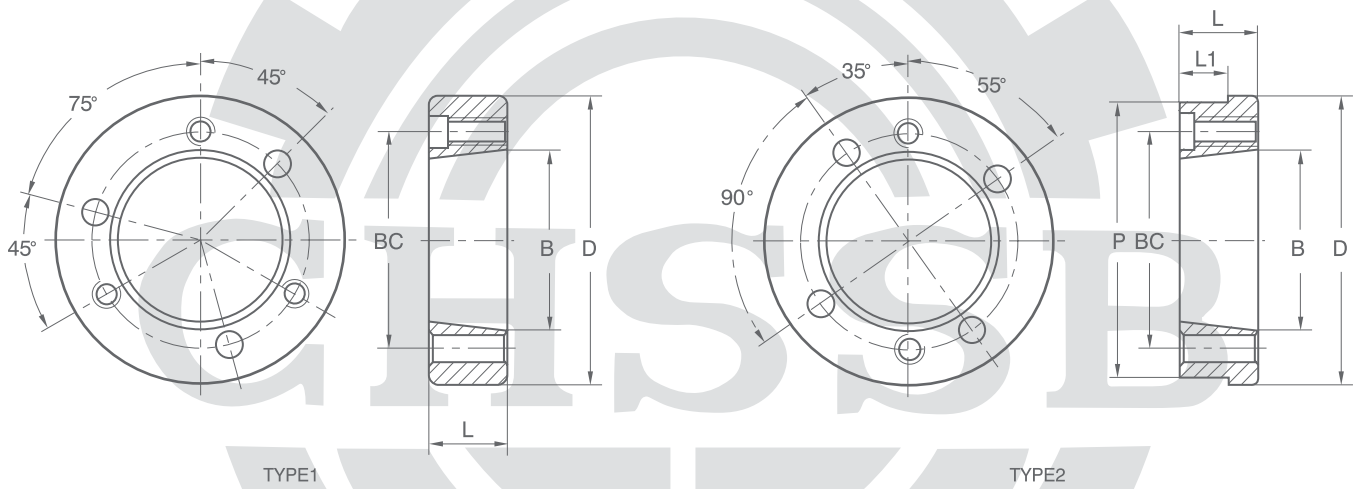
New Standard Power Transmission

Taper Bore Bolt-hubs QTL



QTL WELD-ON HUBS

QTL weld-on hubs are suitable for many applic tions such as welding to plate steel wheels. Wel on hubs are made of steel, drilled, taped an tapered bored to be used with QTL bushing.



QTL TYPE 1 AND TYPE 2 WELD-ON HUBS

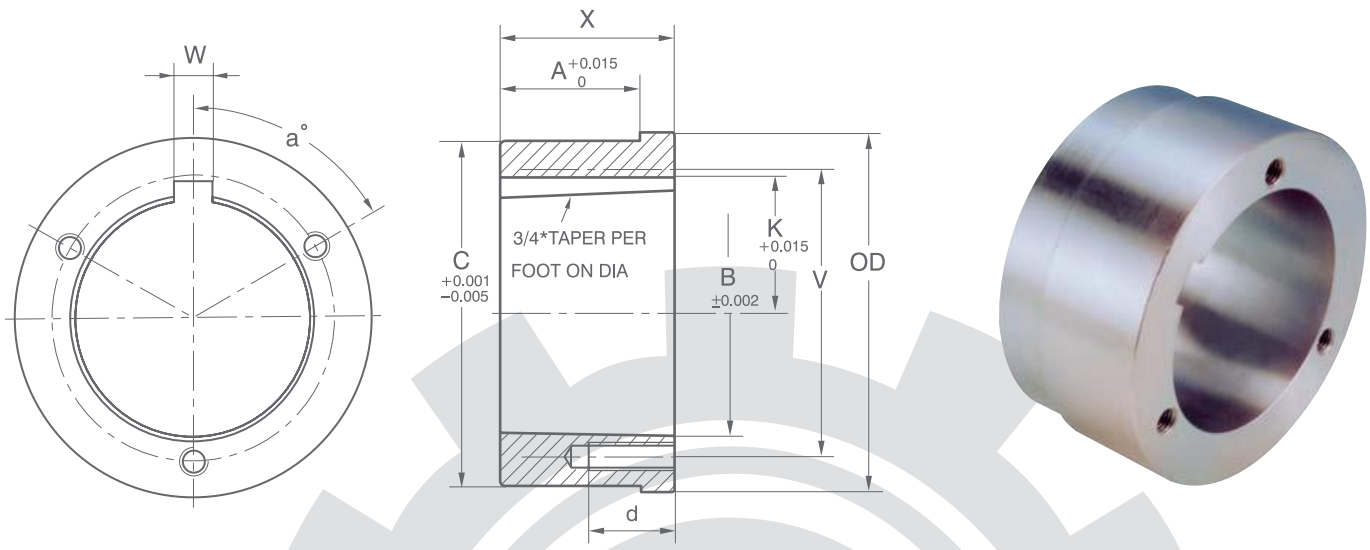
Catalog Number	Dimensions-Inches						Type Drilling	Torque Transmitted Bolt Stress in Pounds Per Sq.In			Weight Pounds
	D*	L	B	P+	L1	BC	BC	6.000	9.000	12.000	
JA	2.250	9/16	1.375	—	—	1 21/32	1	800	1190	1610	0.4
SH-A	3.000	13/16	1.871	—	—	2 1/4	1	950	1,425	1,900	1.0
SDS-A	3.500	3/4	2.188	—	—	2 11/16	1	1,130	1,695	2,260	1.3
SK-A	4.375	1 1/4	2.813	—	—	3 5/16	1	2,400	3,600	4,800	3.0
SF-A	5.000	1 1/4	3.125	—	—	3 7/8	1	4,060	6,090	8,120	4.0
E-A	6.250	1 5/8	3.832	—	—	5	1	9,240	13,860	18,480	9.0
F-A	7.000	2 1/2	4.437	—	—	5 5/8	1	13,960	20,940	27,920	16
J-A	7.750	3 3/16	5.140	—	—	6 1/4	1	19,550	29,325	39,100	25
M-A	9.500	5 3/16	6.494	9.250	3 9/16	7 7/8	2	49,000	73,500	98,000	50
N-A	10.500	6 1/4	6.990	10.250	4 1/2	8 1/2	2	73,200	109,800	146,400	75

*Tolerance of "D" - "SH" thru "J" =(+.000 -.002)
+Tolerance of "P"- "M" and "N" =(+.000-.003)

NSPT New Standard Power Transmission

Taper Bore Weld-on Hubs

STL



STL WELD-ON HUBS FOR STL TAPER BUSHING

Part No.	For Bushing	Dimensions									Tapped Holes			Wt Lbs.
		OD	A	B	C	K	V	W	X	a	d	No.	Size	
HG1	G	2"	.174"	1.168	1.875"	—	1 9/16"	—	5/8"	—	5/8"	2	1/4-20	0.4
HH1	H	2 1/2	.174	1.621	2.375	—	2	—	7/8	—	7/8	2	1/4-20	0.6
HCH1	H	2 1/2	.625	1.621	2.375	—	2	—	7/8	—	7/8	2	1/4-20	0.7
HP1	P_1	3	.292	1.9375	2.875	1 3/32"	2 7/16	3/8"	1 5/16	60°	5/8	3	5/16-18	1.4
HCP1	P_1	3	1.000	1.9375	2.875	1 3/32	2 7/16	3/8	1 5/16	60°	5/8	3	5/16-18	1.1
HP2	P_2	3	1.100	1.9375	2.875	1 3/32	2 7/16	3/8	2 5/16	60°	5/8	3	5/16-18	2.5
HB1	B	3 7/8	.292	2.623	3.750	1 7/16	3 1/8	1/2	1 5/16	60°	13/16	3	5/16-18	2.3
HB2	B	4 1/2	.709	2.623	4.375	1 7/16	3 1/8	1/2	1 3/4	60°	13/16	3	5/16-18	4.7
HQ1	Q_1	4 1/2	.709	2.875	4.375	1 9/16	3 3/8	1/2	1 3/4	60°	7/8	3	3/8-16	4.4
HCQ1	Q_1	4 1/2	1.250	2.875	4.375	1 9/16	3 3/8	1/2	1 3/4	60°	7/8	3	3/8-16	4.4
HQ2	Q_2	4 1/2	1.606	2.875	4.375	1 9/16	3 3/8	1/2	2 3/4	60°	7/8	3	3/8-16	6.9
HR1	R_1	5 3/4	.709	4.000	5.625	2 3/16	4 5/8	3/4	2	60°	1 1/8	3	3/8-16	7.3
HR2	R_2	5 3/4	1.606	4.000	5.625	2 3/16	4 5/8	3/4	4	60°	1 1/8	3	3/8-16	15.4
HS1	S_1	6 3/4	.946	4.625	6.500	2 9/16	5 3/8	3/4	3 5/16	60°	1 5/8	3	1/2-13	17.3
HS2	S_2	6 3/4	2.963	4.625	6.500	2 9/16	5 3/8	3/4	5 11/16	60°	1 5/8	3	1/2-13	30.4
HU0	U_0	8 1/2	2.000	6.000	8.250	3 1/4	7	1 1/4	3 3/4	60°	2	3	5/8-11	32.0
HU1	U_1	8 1/2	2.963	6.000	8.250	3 1/4	7	1 1/4	5 5/8	60°	1 3/4	3	5/8-11	44.6
HU2	U_2	8 1/2	6.016	6.000	8.250	3 1/4	7	1 1/4	8 5/8	60°	1 3/4	3	5/8-11	69.0
HW1	W_1	12 1/2	2.963	8.500	12.250	4 9/16	10	1 1/4	6 3/8	22.5°	1 3/4	4	3/4-10	130.0

PLEASE CONSULT NSPT IF MORE INFORMATION ARE NEEDED