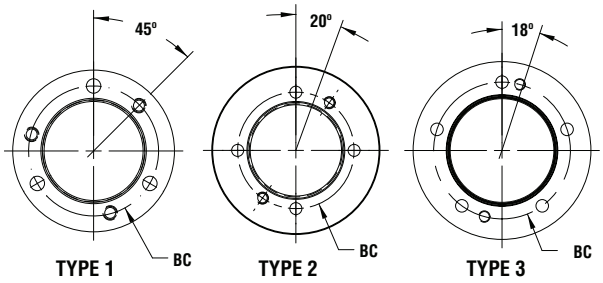
QD and QD Short Weld-On Hubs

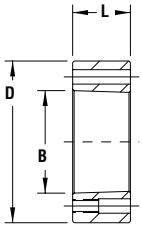
QD Weld-On Hubs

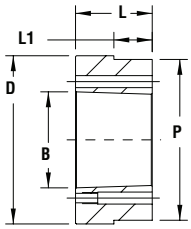
Martin QD weld-on hubs are suitable for use in many applications, such as welding to plate steel sprockets.

QD weld-on hubs are made of steel, drilled, tapped and taper bored for QD bushings







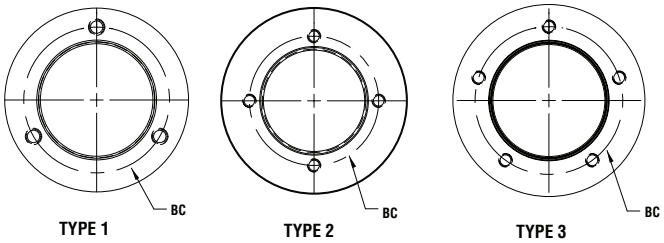


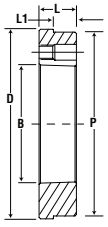
Catalog Number	Dimensions (Inches)						Type Drilling	Weight (lbs)	Mounting
	D ★	L	B (nom)	P	L_1	BC			
JA-A	2.250	0.563	1.370	—	—	1.665	1	0.4	STD or Reverse Mount
SH-A	3.000	0.813	1.870	—	—	2.250	1	1.0	
SDS-A	3.500	0.750	2.180	—	—	2.688	1	1.2	
SK-A	4.375	1.250	2.810	—	—	3.313	1	3.0	
SF-A	5.000	1.250	3.120	—	—	3.875	1	4.0	
E-A	6.250	1.625	3.830	—	—	5.000	1	9.0	
F-A	7.000	2.500	4.440	—	—	5.625	1	16.0	
J-A	7.750	3.188	5.140	—	—	6.250	1	22.5	
M-A	9.500	5.188	6.490	9.250	3.563	7.875	2	50.0	STD Mount Only
N-A	10.500	6.250	6.990	10.250	4.500	8.500	2	75.0	
P-A	13.000	7.250	8.240	—	—	10.000	2	155.0	
W-A	15.500	9.000	10.430	—	—	12.750	2	300.0	
S-A	19.500	12.000	12.120	18.750	7.500	15.000	3	558.0	

★ Tolerance of D Dimension (or P dimension where applicable) JA-A Thru J-A = (+-.002) M-A Thru S-A = (+-.003)

QD Short Weld-On Hubs

Martin QD short weld-on hubs are designed for use in conveyor pulleys.





Catalog Number	Dimensions (Inches)						Type Drilling	Weight (lbs)	Mounting
	D	L	B (nom)	P ★	L_1	BC			
SFS-A	5.000	1.000	3.120	4.750	0.563	3.875	1	3.0	Reverse Mount Only
ES-A	6.250	1.125	3.830	6.000	0.625	5.000	1	5.5	
FS-A	7.000	1.250	4.440	6.750	0.688	5.625	1	7.4	
JS-A	8.250	1.625	5.140	8.000	1.000	6.250	1	13.8	
MS-A	9.500	2.375	6.490	9.250	1.625	7.875	2	22.9	
NS-A	10.250	2.375	6.990	10.000	1.563	8.500	2	26.8	
PS-A	12.250	2.875	8.240	12.000	2.000	10.000	2	47.9	
WS-A	15.250	3.375	10.430	14.875	2.438	12.750	2	84.2	
SS-A	17.500	3.875	12.120	17.000	2.750	15.000	3	121.8	

★ Tolerance of P Dimension SFS-A Thru MS-A = (+-.004) NS-A Thru PS-A = (+-.005) WS-A Thru SS-A = (+-.006)

Taper Bushed Type S-Type W Weld-On Hubs Dimensions

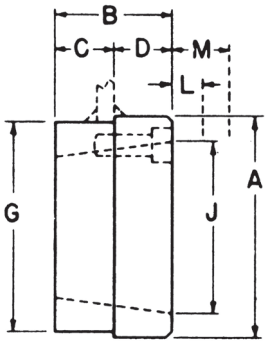
Type S

Martin taper bushed type S weld-on hubs are suitable for use in many applications such as for welding to plate steel sprockets. The outside diameters of these hubs have been reduced to a minimum. This is permissible because of the reinforcing strength of the items to which they are to be welded. Cases where the attached item is of small dimensions should be referred to Martin.



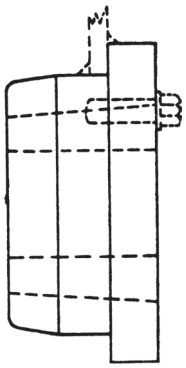
Type S weld-on hubs are made of steel, drilled, tapped, and taper bored for tapered bushings. Their small size and the convenience and advantages of taper bushed construction make them of great value on many devices for use on shafts.

Bushing Number	For Use with Bushing Number	Max. Bore of Bushing	Weight	A	B ◊	C ★★	D ▼	G	J
S16-4	1610	1.625	.9	3.000	1.000	0.275	0.725	2.875 †	2.250
S16-6	1610	1.625	.9	3.000	1.000	0.450	0.550	2.875 †	2.250
S20-6	2012	2.000	1.8	3.563	1.250	0.450	0.800	3.438 †	2.750
S20-8	2012	2.000	1.4	3.563	1.250	0.570	0.680	3.438 †	2.750
S25-6	2517	2.500	2.6	4.250	1.750	0.450	1.300	4.125 †	3.375
S25-8	2517	2.500	2.6	4.250	1.750	0.565	1.185	4.125 †	3.375
S25-10	2517	2.500	2.5	4.250	1.750	0.685	1.065	4.125 †	3.375
S25-16	2517	2.500	2.4	4.250	1.750	1.090	0.660	4.125 †	3.375
S30-10	3020	3.000	4.3	5.250	2.000	0.675	1.325	5.125 †	4.250
S30-16	3020	3.000	4.2	5.250	2.000	1.090	0.910	5.125 †	4.250
S35	3535	3.500	12.8	6.625	3.500	1.160	2.340	6.375 Ø	5.000



See dimension tables on preceding page for bushing data and wrench space required.
† + .000 - .002
◊ + .005 - .010
Ø + .001 - .003
▼ + .000 - .005
★★ + .010 - .010

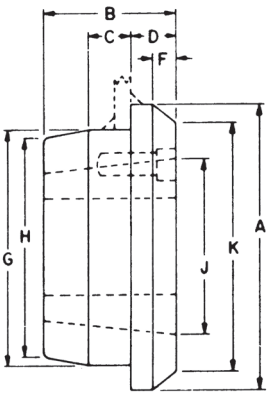




Type WA

Type WA weld-on hubs are made of steel, drilled, tapped, and taper bored to receive tapered bushings. They are very useful for welding into fan rotors, pulleys, plate sprockets, impellers, agitators, and many other devices which must be firmly fastened to the shaft.

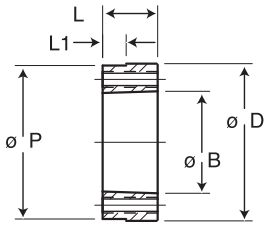
Bushing Number	For Use with Bushing Number	Max. Bore of Bushing	Weight	A	B	C	D	F	G	H	J	K
WA12	1215	1.250	1	2.875	1.500	0.375	0.625	0.375	2.500 †	2.375	1.875	2.625
WA16	1615	1.625	2	3.250	1.500	0.375	0.625	0.375	2.875 †	2.750	2.25	3.000
WA25	2517	2.500	4	4.875	1.750	0.500	0.750	0.375	4.375 †	4.250	3.375	4.625
WA30	3030	3.000	9	5.500	3.000	0.750	0.750	0.250	5.125 †	4.813	4.125	5.000
WA35	3535	3.500	15	6.750	3.500	1.250	1.000	0.375	6.250 †	5.938	5.000	6.000
WA40	4040	4.000	29	7.750	4.000	1.500	1.000	0.375	7.250 †	6.875	5.750	7.000
WA45	4545	4.500	42	8.750	4.500	1.750	1.000	0.375	8.000 †	7.625	6.375	8.000
WA50	5050	5.000	57	9.500	5.000	1.750	1.000	0.375	8.750 •	8.375	7.000	8.750
WA60	6050	6.000	115	13.250	5.000	1.750	1.250	–	12.250 ★	11.875	9.250	–
WA70	7060	7.000	155	14.500	6.000	2.250	1.250	–	13.500 ★	13.250	10.250	–
WA80	8065	8.000	180	15.250	6.500	2.250	1.250	–	14.250 ★	14.000	11.250	–
WA100	10085	10.000	340	19.750	8.500	3.500	1.500	–	18.750 ★	18.250	14.750	–



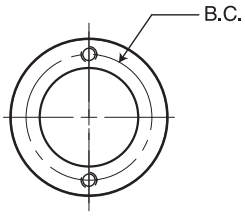
See dimension tables on proceeding page for bushing data and wrench space required.
† + .000 - .002
• + .000 - .003
★ + .000 - .004

MST® Weld-On Hubs

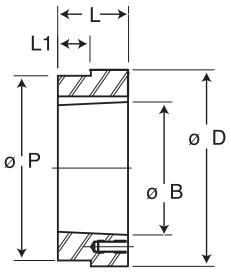


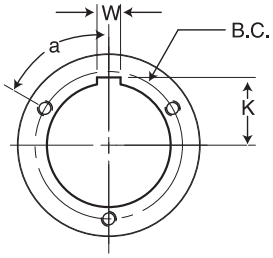


ALL TAPERS .75" PER FT.
ON DIAMETER

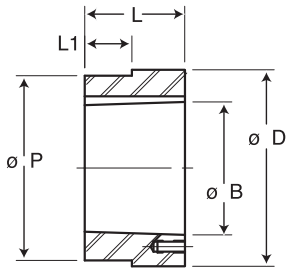


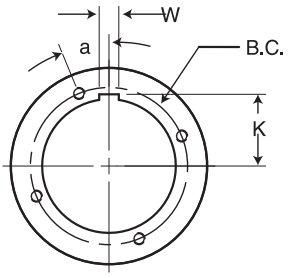
"H" HUBS





"P", "Q", "R", "S", Y "U" HUBS





"W" HUBS

Bushing Specifications

Part Number	For Bushing	Dimensions									Tapped Holes		Wt. Lbs.
		D	L	P	L1	B	K	B.C.	W	a⁰	No.	Size	
HH1	H	2.500	0.880	2.375	0.174	1.621	—	2.000	—	—	2	1/4 – 20	.6
HCH1	H	2.500	0.880	2.375	0.625	1.621	—	2.000	—	—	2	1/4 – 20	.7
HP1	P1	3.000	1.310	2.875	0.292	1.938	1.094	2.438	0.375	60	3	5/16 – 18	1.4
HCP1	P1	3.000	1.310	2.875	1.000	1.938	1.094	2.438	0.375	60	3	5/16 – 18	1.1
HP2	P2	3.000	2.310	2.875	1.100	1.938	1.094	2.438	0.375	60	3	5/16 – 18	2.5
HQ1	Q1	4.500	1.750	4.375	0.709	2.875	1.562	3.375	0.500	60	3	3/8 – 16	4.4
HCQ1	Q1	4.500	1.750	4.375	1.250	2.875	1.562	3.375	0.500	60	3	3/8 – 16	4.4
HQ2	Q2	4.500	2.750	4.375	1.606	2.875	1.562	3.375	0.500	60	3	3/8 – 16	6.9
HR1	R1	5.750	2.000	5.625	0.709	4.000	2.188	4.625	0.750	60	3	3/8 – 16	7.3
HR2	R2	5.750	4.000	5.625	1.606	4.000	2.188	4.625	0.750	60	3	3/8 – 16	15.4
HS1	S1	6.750	3.310	6.500	0.946	4.625	2.562	5.375	0.750	60	3	1/2 – 13	17.3
HS2	S2	6.750	5.690	6.500	2.963	4.625	2.562	5.375	0.750	60	3	1/2 – 13	30.4
HU0	U0	8.500	3.750	8.250	2.000	6.000	3.250	7.000	1.250	60	3	5/8 – 11	32.0
HU1	U1	8.500	5.620	8.250	2.963	6.000	3.250	7.000	1.250	60	3	5/8 – 11	44.6
HU2	U2	8.500	8.620	8.250	6.016	6.000	3.250	7.000	1.250	60	3	5/8 – 11	69.0
HW1	W1	12.500	6.380	12.250	2.963	8.500	4.562	10.000	1.250	22.5	4	3/4 – 10	130.0

All tapers are .75" per 12" on Diameter.

All dimensions are in inches, except as noted.