

# Steel Adaptors for Platewheels



Steel Adaptors used in conjunction with standard Platewheels (pp 59-68) enable low cost production of steel Sprockets, with a tooth range 19 to 114 teeth. Three types are available; Threaded, Weld-on Hubs (available plain bore and taper bored), and Bolt-on Hubs.

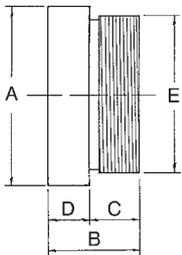
**Threaded Adaptors** were originally developed to convert cycle platewheels for industrial use. They enable quick, simple exchange of platewheels to adjust drives used in prototype and development applications. These adaptors are suitable for simplex platewheels for 3/8 inch to 3/4 inch pitch chains. They are also suitable for our Industrial Ratchet Freewheels, please refer to our "Freewheel Clutch" catalogue.

**Weld-on Hubs** are designed to enable conversion of Platewheels to solid Sprockets of a fully welded construction. They are available bored for taper bushes, or with pilot parallel bore which can be supplied finish bored and key seated.

**Bolt-on Hubs** are available in 11 sizes bored to suit 6 sizes of Taper Bush. They are manufactured in high grade cast iron with phosphate surface finish. These are ideal for connecting fan rotors, impellers, and conveyor pulleys to a shaft, and can also be used for converting platewheels to sprockets where change of ratios are required in the drive.



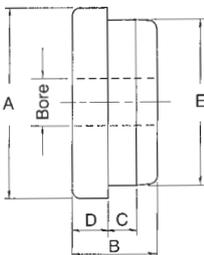
## Threaded Adaptors with Solid Bore



Hubs can be supplied bored, keywayed and setscrewed to customers requirements. Some sizes platewheels for 081 and 08B-1 chain stocked with threaded bore for A211 adaptor.

Hub Ref.	Max. Bore	A max	B	C	D	E R.H. Thread C.E.I. Form 24T.PI.	Weight Kg
A211	20	42	27	14.3	12.7	1.37 inches	0.23
A212	24	48	27	14.3	12.7	1.625 inches	0.32
A213	30	58	27	14.3	12.7	2.00 inches	0.48

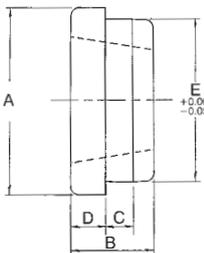
## Steel Weld-on Hubs with Pilot Bore



Hubs can be supplied bored and keywayed to customers requirements.

Hub Ref.	Pilot Bore	Max Bore	A	B	C	D	E	Weight Kg
A214	20	40	70	38	11	16	60.00 59.95	0.89
A215	20	45	80	38	11	16	70.00 69.95	1.25
A216	25	55	95	44	13	19	85.00 84.95	2.10
A217	25	70	120	44	13	19	110.00 109.95	3.51
A218	25	85	145	51	16	19	130.00 129.95	5.78

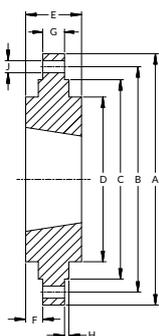
## Steel Weld-on Hubs with Taper Bore



Hubs are taper bored, drilled, and tapped to suit standard Taper Bore Bushes (see pp 34/35). Earlier 'M' series Hubs are available to order on short delivery. M25 & M30 have been superseded by H25 & H30.

Hub Ref.	Bush Size	Max Bore	A	B	C	D	E	Weight Kg
H12	1210	32	70	25	10	9	65	0.25
H16	1610	42	80	25	10	9	75	0.41
H20	2012	50	95	32	12	12	90	0.75
H25	2517	60	115	45	15	19	110	1.48
H30	3020	75	145	51	15	19	140	2.73
W30	3030	75	145	76	15	19	140	4.05
H35	3525	90	190	65	25	25	180	4.70
W35	3535	90	190	89	25	25	180	6.40
H40	4040	100	200	102	30	32	190	13.80

## Steel Bolt-on Hubs with Taper Bore



Hub Ref.	Bush Size	A	B	C*	D	E	F	G	H	J	Weight Kg
BF12	1210	120	100	80	70	25	9.00	7.5	2.5	6 X 7.50	0.82
BF12A	1210	180	135	90	75	25	9.25	6.5	2.5	6 X 7.50	1.55
BF16	1610	130	110	90	80	25	9.00	7.5	2.5	6 X 7.50	0.94
BF16A	1615	200	150	110	85	38	15.30	7.5	2.5	6 X 7.50	2.44
BF20	2012	145	125	115	95	32	12.00	9.5	2.5	6 X 9.50	1.52
BF20A	2012	270	190	140	110	32	11.80	8.5	2.5	6 X 9.50	4.51
BF25	2517	185	155	130	115	45	19.00	12.5	2.5	6 X 11.50	3.12
BF25A	2517	340	240	170	125	45	17.80	9.5	2.5	8 X 11.50	7.99
BF30	3020	220	190	165	145	51	19.00	12.5	2.5	6 X 13.50	4.90
BF30A	3020	430	300	220	160	51	18.80	13.5	2.5	8 X 13.50	17.13
BF30B	3020	485	340	250	160	51	18.80	13.5	2.5	8 X 13.50	23.05

This series of Hubs are mainly used in the construction of fans, providing convenient shaft connection. Hubs are taper bored, drilled, and tapped to suit standard Taper Bore Bushes (see PP 34/35).

All hubs except BF30B are produced in high grade cast iron. BF30B hubs produced in mild steel.

\* Diameter C is machined to tolerance of +0.0/-0.05mm to enable accurate location.

All dimensions on this page are in mm unless indicated otherwise.