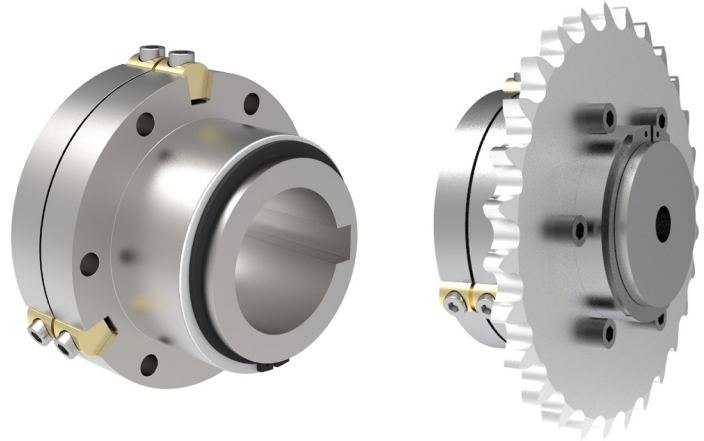
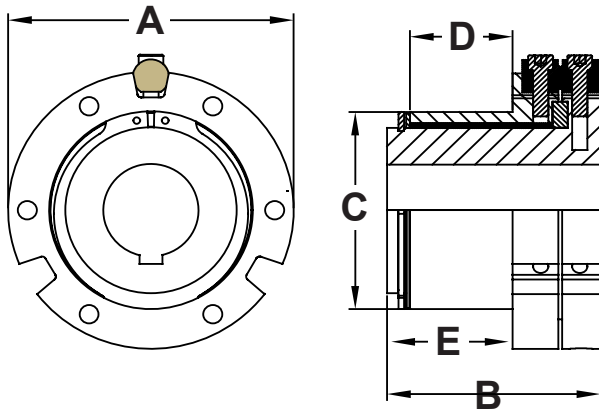


Wedgegard® Type S Hub Chain & Pulley Drives

DATASHEET Version 4/2020 - in-lbs-ft



- Type S Wedgegard Units can be supplied with Sprocket, Pulley or Gear.
- Standard Units for release torques up to 1,079,790 in-lbs. Torque is adjustable by Wedgepin ratings.
- NOTE - Some units may have extra Wedgeslots for increased Torque Capacity, these should only be used in accordance with your drives maximum overload requirements and shaft keyway stresses.
- Monitor Trip Plate supplied as an optional extra on some unit sizes for Limit or Proximity Switch shutdown.
- Units S250 to S950 supplied from stock, S1000 to S1600 are built to order, thus dimensions can be adjusted to customer requirements.
- Systems to switch off motor automatically must be used for drives with shaft speed above 120 RPM.
- For speeds over 500 RPM, please consult Howdon™
- Higher Release/Shear Torques may be available.**

Size		S250	S350	S500	S700	S800	S950	S1000	S1200	S1400	S1600
Max Release/Shear Torque (in/lb)	Brass	–	1496	1734	4310	5063	11576	–	–	–	–
	Steel	358	2054	2382	5918	6954	15900	561580	74031	99571	109251
Max Release/Shear Torque (lb ft)	Brass	–	17949	20808	51715	60760	138912	–	–	–	–
	Steel	4293	24649	28588	71018	83454	190796	6738984	888376	1194851	1311017
Wedgeslot Quantity & Wedgepin Type		2 x W25	3 x W37	3 x W37	3 x W50	3 x W50	3 x W75	4 x W100	4 x W100	4 x W120	4 x W120
Pin Working Radius - inch		1.4803	1.8504	2.1457	2.8346	3.3307	4.1535	5.0197	6.5945	7.0866	7.7756
Maximum Bore - inch		0.9843	1.3780	1.9685	2.7559	3.3465	3.9370	4.7244	5.9055	7.0866	7.8740
Outside Diameter (A) - inch		3.1496	3.9370	4.5276	5.9055	6.8898	9.0551	11.0236	14.1732	15.3543	16.7323
Overall Length (B) - inch		1.9685	2.7559	3.0315	4.4094	4.5669	6.1024	7.8740	12.0079	12.5984	12.7953
Spigot Diameter (C) - inch		2.1654	2.7559	2.9528	4.2126	4.7244	6.4961	6.6929	10.3150	11.4173	12.0079
Spigot Length (D) - inch		0.7087	0.9449	1.4173	2.1260	1.5748	2.6772	4.0945	5.8661	5.8268	5.8268
Spigot Length inc Overhang (E) - inch		0.9843	1.3189	1.8110	2.5984	2.1654	3.3858	4.5669	N/A	N/A	N/A
Bolt Fixing Quantity & Size		6 x M5	6 x M6	6 x M8	6 x M10	6 x M12	6 x M16	8 x M20	8 x M20	8 x M24	12 x M24
Fixing Bolt P.C.D. - inch		2.6772	3.3465	3.6220	5.1181	5.7480	7.8740	9.4488	12.5984	13.7795	14.5669
Weight Approx (lbs) Un-bored.		2.65	6.26	8.58	21.14	33.47	73.37	–	–	–	–

*All dimensions in Inches unless otherwise specified

Maximun Release/Shear Torques shown are for RED coded Wedgepins fitted.
Dimensions and specifications may change for improvement without notice.



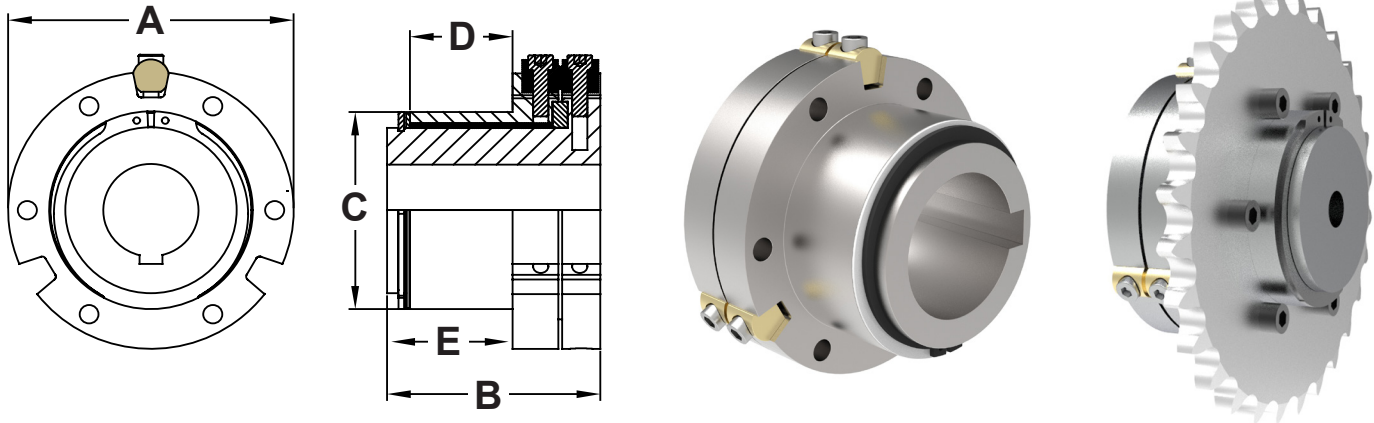
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Wedgegard® Type S Hub Chain & Pulley Drives

DATASHEET Version 4/2020 - mm-Nm



- Type S Wedgegard Units can be supplied with Sprocket, Pulley or Gear.
- Standard Units for release torques up to 1,079,790 in-lbs. Torque is adjustable by Wedgepin ratings.
- NOTE - Some units may have extra Wedgeslots for increased Torque Capacity, these should only be used in accordance with your drives maximum overload requirements and shaft keyway stresses.
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- Systems to switch off motor automatically must be used for drives with shaft speed above 120 RPM.
- For speeds over 500 RPM, please consult HowdonTM
- Higher Release/Shear Torques may be available.**

Size		S250	S350	S500	S700	S800	S950	S1000	S1200	S1400	S1600
Max Release/Shear Torque (Nm)	Brass	–	2028	2351	5843	6865	15695	–	–	–	–
	Steel	485	2785	3230	8024	9429	21557	761403	100373	135000	148125
Wedgeslot Quantity & Wedgepin Type		2 x W25	3 x W37	3 x W37	3 x W50	3 x W50	3 x W75	4 x W100	4 x W100	4 x W120	4 x W120
Pin Working Radius		37.6	47	54.5	72	84.6	105.5	127.5	167.5	180	197.5
Maximum Bore		25	35	50	70	85	100	120	150	180	200
Outside Diameter (A)		80	100	115	150	175	230	280	360	390	425
Overall Length (B)		50	70	77	112	116	155	200	305	320	325
Spigot Diameter (C)		55	70	75	107	120	165	170	262	290	305
Spigot Length (D)		18	24	36	54	40	68	104	149	148	148
Spigot Length inc Overhang (E)		25	33.5	46	66	55	86	116	N/A	N/A	N/A
Bolt Fixing Quantity & Size		6 x M5	6 x M6	6 x M8	6 x M10	6 x M12	6 x M16	8 x M20	8 x M20	8 x M24	12 x M24
Fixing Bolt P.C.D.		68	85	92	130	146	200	240	320	350	370
Weight Approx (lbs) Un-bored.		1.2	2.84	3.89	9.59	15.18	33.28	–	–	–	–

*All dimensions in mm unless otherwise specified

Maximum Release/Shear Torques shown are for RED coded Wedgepins fitted.
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