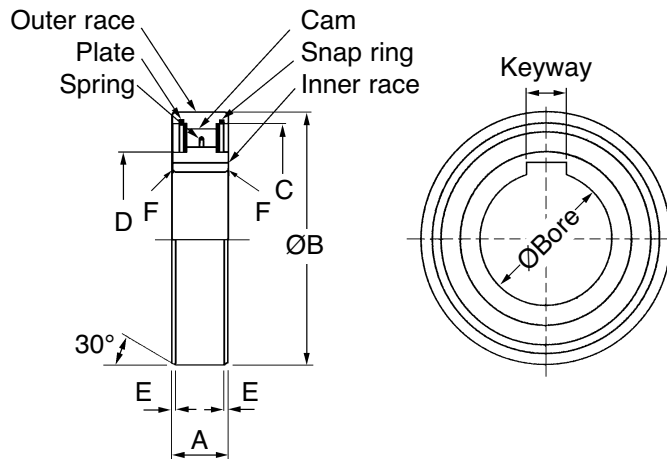


TSS

COUPLINGS

Sprag Type One Way Cam Clutches

6.71 - 649Nm, 8 - 60mm Bores



Discounts:	5+ -5%	10+ -10%	20+ -12.5%	50+ -25%	80+ -27.5%
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Part Number	Torque Capacity N•m	Max Overrunning Speed Inner Race r/min	Outer Race r/min	Drag Torque N•m	ØBore Size DIN H7	Keyway	A	ØB	C	D	E	F	Weight g	Price Each 1 - 4
TSS8	6.7	6,000	3,000	0.005	8	2x1.0	8	24	22.2	11.4	0.6	0.6	14	£115.27
TSS10	12.0	4,500	2,300	0.007	10	3x1.4	9	30	27.0	15.6	0.6	0.6	27	£114.89
TSS12	17.0	4,000	2,000	0.009	12	4x1.8	10	32	29.5	18.0	0.6	0.6	31	£97.79
TSS15	22.0	3,500	1,800	0.010	15	5x1.2	11	35	32.0	20.6	0.6	0.6	39	£125.70
TSS20	41.0	2,600	1,300	0.010	20	6x1.6	14	47	40.0	26.7	0.8	0.8	115	£116.46
TSS25	56.0	2,200	1,100	0.020	25	8x2.0	15	52	45.0	32.0	0.8	0.8	140	£141.55
TSS30	105.0	1,800	900	0.030	30	8x2.0	16	62	55.0	40.0	0.8	1.0	215	£161.33
TSS35	136.0	1,600	800	0.030	35	10x2.4	17	72	63.0	45.0	0.8	1.0	300	£192.65
TSS40	296.0	1,400	700	0.180	40	12x2.2	18	80	72.0	50.0	0.8	1.0	425	£201.60
TSS45	347.0	1,300	650	0.210	45	14x2.1	19	85	75.5	57.0	1.2	1.0	495	£310.72
TSS50	403.0	1,200	600	0.220	50	14x2.1	20	90	82.0	62.0	1.2	1.0	545	£385.99
TSS60	649.0	910	460	0.330	60	18x2.3	22	110	100.0	80.0	1.2	1.5	950	£464.18

Material

High carbon hardened steel alloy

Installation & Usage

Designed for press fit installation.

Correct interference dimensions must be maintained to obtain maximum bearing and clutch performance. The internal diameter of the housing should meet the H7 tolerance of the JIS standard.

Make sure the housing has enough strength to withstand the pressure required for the press fitting installation of the clutch.

When installing the clutch, mount it with a type 62 bearing to avoid radial force, since this clutch does not have any bearings inside.

Mount the clutch ensuring that the shaft driving direction is in the direction indicated by the arrow on the cover plates.

The recommended shaft tolerance tolerance is H7.

Suitable surface pressure of the key should be selected according to your company design standards.

Lubrication

Oil lubrication is recommended

Do not use grease or lubricants with EP additives

Safety Recommendations

Always lock out power switch before installing, removing, lubricating or servicing a system that uses Cam Clutch products.

When connecting or disconnecting Cam Clutch products, eye protection is required. Wear safety glasses, protective clothing, gloves and safety shoes.

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Product information updated 1st April 2011 and subject to change. Please contact Sales for the latest prices and availability.