

# SWC Type Universal Joint Coupling

## Product Introduction

The SWC type universal joint coupling is a structure with an integral fork without bolt connection. Due to the fixation of the cross shaft bearing without bolts, it avoids bolt loosening or fracture, thereby improving the strength of this weak link, improving reliability, extending service life, and also facilitating maintenance.

## Product Features

1. It has a large angle compensation ability, with a SWC type axis angle of up to 15°.
2. The structure is compact and reasonable. The SWC model adopts an integral fork head, making transportation more reliable.
3. It has a large carrying capacity. Compared with other types of couplings with the same rotation diameter, the torque transmitted by them is greater, which makes the matching range of mechanical equipment with limited rotation diameter more advantageous.
4. High transmission efficiency. Its transmission efficiency reaches 98-99.8%, which is used for high-power transmission and has a significant energy-saving effect.
5. Smooth transportation, low noise, and convenient installation, disassembly, and maintenance.

## Basic Parameter

Model	Rotating diameter D(mm)	Revolution torque Tn(KN.m)	Fatigue torque Tt(KN.m)	Size (mm)											Moment of inertia I(kg·m)		Weight G(kg)	
				Axis Fold angle ≥P	Dt (js11)	D(H7)	D3	Lm	n-d	k	t	B(H9)	B	Lmin	100mm	Lmin	100mm	
																		Lmin
SWC180WF	180	12.5	6.3	25°	560	155	105	114	110	8-17	17	5.5			0.248	0.007	58	2.8
SWC225WF	225	40	20	15°	610	196	135	152	120	8-17	20	5	32	9	0.636	0.0234	93	4.9
SWC250WF	250	63	31.5	15°	715	218	150	168	140	8-19	25	6	40	12.5	1.325	0.0277	143	5.3
SWC285WF	285	90	45	15°	810	245	170	194	160	8-21	27	7	40	15	2.664	0.051	222	6.3
SWC315WF	315	125	63	15°	915	284	185	219	180	10-23	32	8	40	15	4.469	0.0795	300	8
SWC350WF	350	180	90	15°	980	310	210	267	194	10-23	35	8	50	16	7.388	0.2219	412	15
SWC390WF	390	250	125	15°	1100	345	235	267	215	10-25	40	8	70	18	13.184	0.2219	588	15
SWC440WF	440	355	180	15°	1290	390	255	325	260	16-28	42	10	80	20	23.25	0.4744	880	21.7
SWC490WF	490	500	250	15°	1360	435	275	325	270	16-31	47	12	90	22	40.75	0.4744	1173	21.7
SWC550WF	550	710	355	15°	1510	492	320	426	305	16-31	50	12	100	22.5	68.480	1.357	1663	34
SWC620WF	620	1000	500	15°	1690	555	380	426	340	16-38	55	12	100	25	27.53	1.357		

