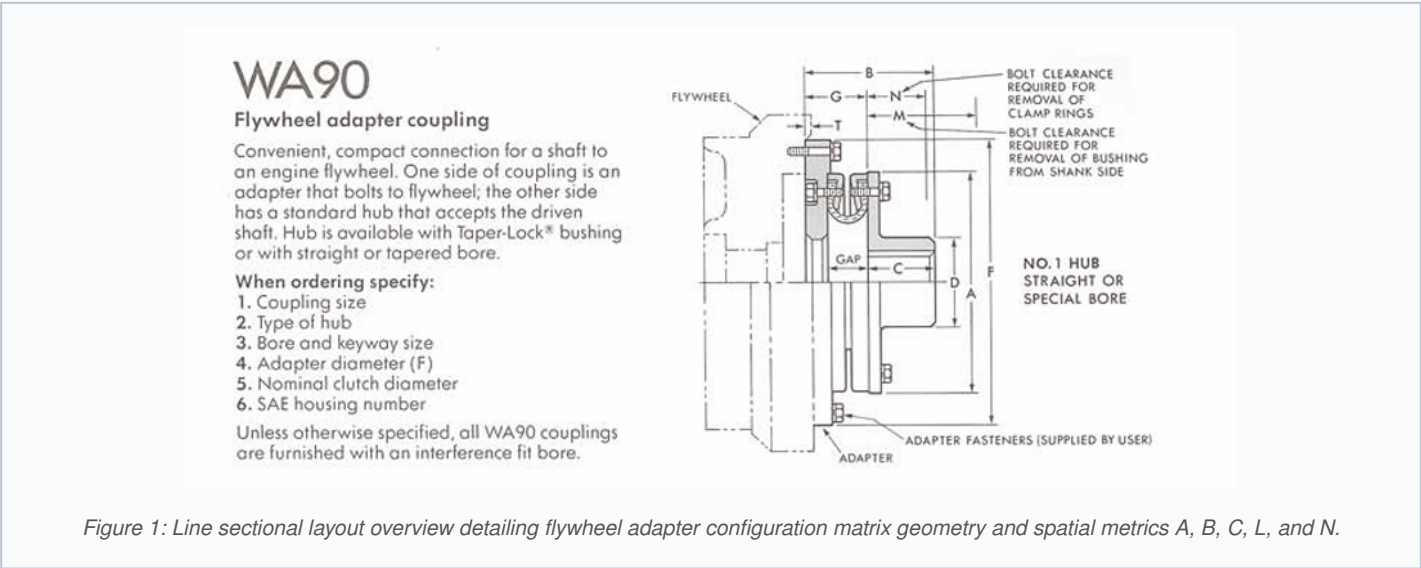


FALK™ TORUS® ELASTOMER COUPLINGS

TYPE WA90 — FLYWHEEL ADAPTER COUPLING

The Falk™ Torus® Type WA90 Flywheel Adapter Coupling offers high torsional flexibility, completely non-lubricated operation, and superior asset protection for industrial engines and reciprocating powertrains. Engineered with a specialized flexible split elastomer element matrix, it directly connects machinery to a standard SAE flywheel bolt circle layout, permitting simple element inspection and change-outs without disturbing hubs, shafts, or heavy auxiliary gear trains.

TECHNICAL WA90 FLYWHEEL CONFIGURATION PROFILE BLUEPRINT



COMPREHENSIVE TECHNICAL REFERENCE & DIMENSIONS TABLE

COMPLETE COUPLING PART NUMBER (TYPE WA90)	ELEMENT PART NO.	HUB PART NO.	BORE SIZE RANGE [mm]	CONTINUOUS TORQUE [Nm]	MAX SPEED [rpm]	PHYSICAL DIMENSIONS LAYOUT REFERENCE					APPROX. WEIGHT [kg]
						A [mm]	B [mm]	C [mm]	L [mm]	N [mm]	
1040WA90	1040WERT	1040WHUB	19 - 60	226	3600	156	54	52	112	38	5.2
1050WA90	1050WERT	1050WHUB	24 - 75	395	3100	184	60	64	128	44	8.1
1060WA90	1060WERT	1060WHUB	28 - 85	678	2800	210	70	74	148	50	12.4
1070WA90	1070WERT	1070WHUB	38 - 90	1130	2500	240	76	84	162	56	18.9
1080WA90	1080WERT	1080WHUB	42 - 105	1808	2300	275	89	96	188	64	28.5
1090WA90	1090WERT	1090WHUB	48 - 115	2712	2100	308	102	108	214	72	41.2
1100WA90	1100WERT	1100WHUB	48 - 125	3842	1900	342	114	120	238	80	55.8
1110WA90	1110WERT	1110WHUB	55 - 140	5650	1800	380	127	134	266	90	77.3
1120WA90	1120WERT	1120WHUB	60 - 160	8475	1600	435	140	154	302	102	114.0

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						A [mm]	B [mm]	C [mm]	L [mm]	N [mm]	
1130WA90	1130WERT	1130WHUB	70 - 180	12430	1400	495	156	176	338	114	165.0
1140WA90	1140WERT	1140WHUB	80 - 200	18080	1200	555	178	198	384	130	231.0
1160WA90	1160WERT	1160WHUB	90 - 230	27120	1000	645	205	230	446	150	352.0

- Catalog Reference Notes & Specifications:**
- Weight matrices relate to couplings matching generic pilot-bore setups. Flywheel mounting hardware options or deep counterbore adaptations may adjust the total finished mass value.
 - Maximum speed thresholds must match specific factory dynamic alignment criteria. Under no circumstances exceed peak catalog velocity boundaries without consulting engineering layout limits.
 - Part number nomenclature is built natively based on series sizing (1040–1160) combined with the configuration group series designator (WA90).

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