

FALK™ TORUS® ELASTOMER COUPLINGS

TYPE WA37 - HALF SPACER COUPLING

The Falk™ Torus® Type WA37 Half Spacer Coupling provides extreme torsional flexibility, high-end cushioning properties, and entirely non-lubricated operation frameworks. Designed with a convenient split elastomer matrix component, the WA37 pattern layout enables prompt system maintenance adjustments without needing to reposition standard industrial hubs or heavy-duty machinery shaft lines.

TECHNICAL CONFIGURATION PROFILE BLUEPRINT LAYOUT

WA37

Half spacer coupling

For most ANSI process pump applications. Center section of coupling between WA hub and shaft hub is removable to allow easy servicing of the connected equipment. Both hubs are available with Taper-Lock® bushings or with straight bores; WA hub also available for tapered bores.

When ordering specify:

1. Coupling size
2. Type of hubs
3. Bore and keyway sizes
4. Distance between shaft ends (BE)

Unless otherwise specified, size 1020 through 1090 are furnished with clearance fit bores, and larger sizes are furnished with interference fit bores.

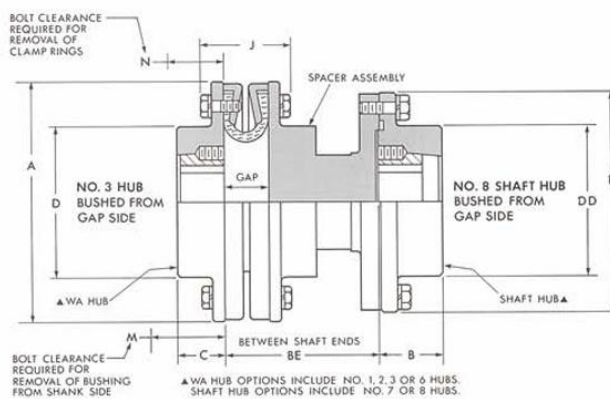


Figure 1: Cross-sectional spatial blueprint profile outlining layout clearings A, B, C, L, and N across standard assemblies.

COMPREHENSIVE TECHNICAL REFERENCE & DIMENSIONS TABLE

COMPLETE COUPLING PART NUMBER	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]	
1020WA37	1020WERT	1020WHUB	14-28	22.6	4500	100	35	34	68	24	1.35
1030WA37	1030WERT	1030WHUB	14-38	50.8	4500	114	40	38	78	26	1.98
1040WA37	1040WERT	1040WHUB	19-48	113	4500	134	45	44	92	32	3.52
1050WA37	1050WERT	1050WHUB	19-55	198	4200	154	50	52	104	36	5.45
1060WA37	1060WERT	1060WHUB	24-60	339	3800	172	55	58	114	40	7.52
1070WA37	1070WERT	1070WHUB	28-75	565	3300	210	65	72	134	46	13.1
1080WA37	1080WERT	1080WHUB	38-90	904	3000	244	75	84	154	52	20.5
1090WA37	1090WERT	1090WHUB	42-100	1356	2750	274	85	94	174	58	29.4
1100WA37	1100WERT	1100WHUB	48-115	1921	2300	314	95	106	194	66	46.8

COMPLETE COUPLING PART NUMBER	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]	
1110WA37	1110WERT	1110WHUB	55-140	5650	1800	380	127	134	448	156	95.8
1120WA37	1120WERT	1120WHUB	60-160	8475	1600	435	140	154	502	176	142.0
1130WA37	1130WERT	1130WHUB	70-180	12430	1400	495	156	176	562	196	204.0
1140WA37	1140WERT	1140WHUB	80-200	18080	1200	555	178	198	638	222	291.0
1160WA37	1160WERT	1160WHUB	90-230	27120	1000	645	205	230	742	258	446.0

- Catalog Reference Notes & Specifications:**
- Weight matrices relate to couplings matching generic pilot-bore setups. Bores with custom keys or custom clearance fit adjustments might affect final component mass.
 - 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 (1020–1160) combined with the configuration group series designator.

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