

FALK™ TORUS® ELASTOMER COUPLINGS

TYPE WA21 - FLOATING SHAFT MATRIX

The Falk™ Torus® Type WA21 Elastomer Coupling offers high torsional flexibility, zero lubrication requirements, and dependable machinery shielding. Engineered to utilize a high-performance split flex element matrix, the Type WA21 configuration simplifies drive component maintenance while providing superior handling boundaries across multi-axial operational shaft misalignments.

TECHNICAL CONFIGURATION PROFILE BLUEPRINT LAYOUT

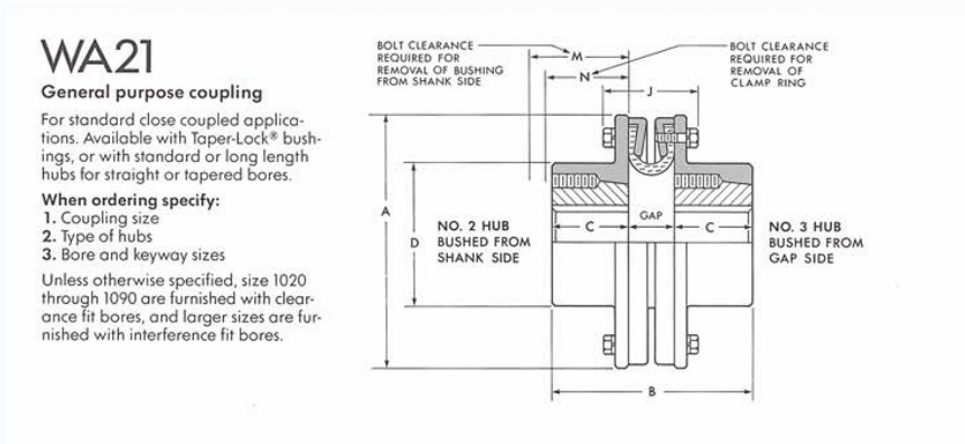


Figure 1: Cross-sectional spatial blueprint profile outlining layout clearings A, B, C, L, and N across standard assemblies.

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]	
1020WA21	1020WERT	1020WHUB	14-28	22.6	4500	100	35	34	68	24	1.15
1030WA21	1030WERT	1030WHUB	14-38	50.8	4500	114	40	38	78	26	1.75
1040WA21	1040WERT	1040WHUB	19-48	113	4500	134	45	44	92	32	3.10
1050WA21	1050WERT	1050WHUB	19-55	198	4200	154	50	52	104	36	4.85
1060WA21	1060WERT	1060WHUB	24-60	339	3800	172	55	58	114	40	6.65
1070WA21	1070WERT	1070WHUB	28-75	565	3300	210	65	72	134	46	11.6
1080WA21	1080WERT	1080WHUB	38-90	904	3000	244	75	84	154	52	18.3
1090WA21	1090WERT	1090WHUB	42-100	1356	2750	274	85	94	174	58	26.2
1100WA21	1100WERT	1100WHUB	48-115	1921	2300	314	95	106	194	66	41.5

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]	
1110WA21	1110WERT	1110WHUB	55-140	5650	1800	380	127	134	388	96	84.5
1120WA21	1120WERT	1120WHUB	60-160	8475	1600	435	140	154	434	108	126.0
1130WA21	1130WERT	1130WHUB	70-180	12430	1400	495	156	176	488	122	182.0
1140WA21	1140WERT	1140WHUB	80-200	18080	1200	555	178	198	554	138	259.0
1160WA21	1160WERT	1160WHUB	90-230	27120	1000	645	205	230	640	160	395.0

- 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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