

# GX ULTRA-LIGHTWEIGHT AIR SHAFT

**MAXCESS**<sup>®</sup>

**TIDLAND**

## ELIMINATE LIFTING HAZARDS AND REDUCE OPERATOR INJURY

The GX shaft combines lightweight, high-strength aluminum construction with an innovative two-piece expanding element design to deliver unmatched performance in any application. This shaft is an ergonomic, yet affordable shaft solution to eliminate lifting hazards, increase operator job satisfaction and reduce workers' compensation claims.



These advanced shafts feature rubber or aluminum expanding elements, positive element retraction, durable poly bladders and a fail-safe multi-circuit air system. Check valves provide additional reliability, ensuring that a loss of air in one element will not affect the expansion and performance of the other elements.

GX shafts are available to suit a large variety of core sizes in unwind or rewind applications. These shafts are part of Tidland's complete line of ergonomic solutions for converters, which includes the ever-popular Force5 Air Chucks and Ultrashaft™ Carbon Fiber Air Shafts.

## GENERAL SPECIFICATIONS

GX SHAFT WEIGHT COMPARISON - LIGHT- TO STANDARD-DUTY

WEB WIDTH		3 INCH GX		3 INCH GE		4 INCH GX		4 INCH GXHD		5 INCH GX		6 INCH GX	
MM	INCHES	LBS	KG	LBS	KG	LBS	KG	LBS	KG	LBS	KG	LBS	KG
762	30	29	13	36	16	29	13	43	20	41	19	37	17
102	40	32	15	40	18	33	15	47	21	47	21	42	19
127	50	35	16	45	20	38	17	51	23	53	24	48	22
152	60	38	17	50	23	42	19	55	25	59	27	53	24
178	70	41	19	55	25	46	21	59	27	65	29	58	26
203	80	44	20	60	27	50	23	63	29	71	32	64	29
229	90	47	21	65	29	54	24	68	31	77	35	69	31

Example shows results for standard shafts: assumes (2) 2 inch diameter steel journals x 6 inches long; face length of web width + 4 inches; bearing centers of face length + 6 inches. Other configurations will yield different results.

## KEY FEATURES

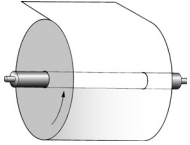
- Faster, easier shaft handling maximizes productivity
- Rubber or aluminum expanding elements provide high torque to eliminate core slippage
- Positive retraction of elements to ensure cores slide on or off easily
- Isolated air system provides added reliability and allows higher operating speeds
- Durable construction designed to withstand abuse and abrasion
- Available to suit a wide range of core sizes
- Manufactured to your specifications

# GX ULTRA-LIGHTWEIGHT AIR SHAFT

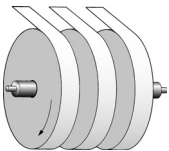
## SPECIFICATIONS

### GX SHAFT ROLL WEIGHT CAPACITY

Solid Roll Capacity



Multiple Roll Capacity

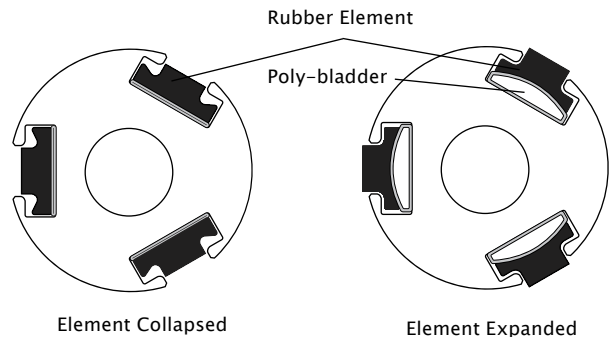


WEB WIDTH INCHES	3 INCH GX		3 INCH GE		4 INCH GX		5 INCH GX		6 INCH GX	
	LBS	KG	LBS	KG	LBS	KG	LBS	KG	LBS	KG
40	3525	1599	3525	1599	3180	1442	6000	2721	6000	2721
50	3285	1490	3515	1594	3175	1440	6000	2721	6000	2721
60	2755	1249	3505	1590	3170	1438	6000	2721	6000	2721
70	2365	1073	3500	1587	3165	1435	6000	2721	6000	2721
80	2070	939	3220	1460	3160	1433	6000	2721	6000	2721
40	1815	823	2830	1283	3180	1442	6000	2721	6000	2721
50	1455	660	2270	1029	3175	1440	6000	2721	6000	2721
60	920	417	1445	655	2775	1259	5570	2526	6000	2721
70	605	274	965	438	1880	853	4485	2034	6000	2721
80	400	181	655	297	1320	599	3180	1442	5100	2313

Examples show results for standard shafts described above with roll weight capacity for full web widths (solid roll capacity) and slit rolls across the full web width (multiple roll capacity) only. For roll conditions over 6000 lbs, please forward specific application parameters to Tidland Corporation for a detailed analysis.



Optional aluminum elements provide added durability and torque.



Two-piece expanding element design provides added protection against cuts and abuse. Isolated air system provides added protection against element damage.



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