

### Description

The Transcell A1 Series is a drop-in replacement for the Chatillon CLC series load cells and the Lloyd Instruments XLC and YLC series load cells. The A1 Series is directly compatible with Chatillon CS and CS2Plus force testers and the entire line of Lloyd Instruments materials testing machines. The A1 Series improves on the original CLC, XLC and YLC designs by offering more responsive electronics, improved measurement performance, and more generous safe overload protection.



100kN unit (left)  
has standard safe  
overload.

## A1 Series | Load Cells for Chatillon and Lloyd Instruments Testing Machines



### Protective Case

Each A1 Series load cell is shipped within its own protective carrying case. The exterior label identifies load cell capacity and model number. The interior is lined with a special anti-static foam that protects from both electrical and mechanical shock loads.



## A1 Series | Load Cells for Chatillon and Lloyd Instruments Testing Machines

Models						
PART ID	CAPACITY	SAFE OVERLOAD	MOUNTING THREAD	EYE-END ADAPTER	CHATILLON CLC CROSSOVER	LLOYD INSTRUMENTS XLC/ YLC CROSSOVER
TC-OLP-0010-A1	±10N	±100N	M12x1.75	15.8mm [5/8in] Aluminum	CLC-0002	XLC-0010-A1 (01/2360) or YLC-0010-A1 (01/3872)
TC-OLP-0020-A1	±20N	±200N	M12x1.75	15.8mm [5/8in] Aluminum	CLC-04-5	XLC-0020-A1 (01/2950) or YLC-0020-A1 (01/3873)
TC-OLP-0050-A1	±50N	±500N	M12x1.75	15.8mm [5/8in] Aluminum	CLC-0010	XLC-0050-A1 (01/2361) or YLC-0050-A1 (01/3874)
TC-OLP-0100-A1	±100N	±1kN	M12x1.75	15.8mm [5/8in] Aluminum	CLC-0020	XLC-0100-A1 (01/2480) or YLC-0100-A1 (01/3875)
TC-OLP-0250-A1	±250N	±2.5kN	M12x1.75	15.8mm [5/8in] Aluminum	CLC-0050	XLC-0250-A1 (01/3048) or YLC-0250-A1 (01/3876)
TC-OLP-0500-A1	±500N	±5kN	M12x1.75	15.8mm [5/8in] Stainless	CLC-0100	XLC-0500-A1 (01/2362) or YLC-0500-A1 (01/3877)
TC-OLP-1000-A1	±1000N	±10kN	M12x1.75	15.8mm [5/8in] Stainless	CLC-0200	XLC-1000-A1 (01/2419) or YLC-1000-A1 (01/3878)
TC-OLP-2500-A1	±2500N	±12.5kN	M12x1.75	15.8mm [5/8in] Stainless	CLC-0500	XLC-2500-A1 (01/2363) or YLC-2500-A1 (01/3879)
TC-OLP-5000-A1	±5000N	±25kN	M12x1.75	15.8mm [5/8in] Stainless	CLC-1000	XLC-5000-A1 (01/2464) or YLC-5000-A1 (01/3880)
TC-OLP-10K-A1	±10KN	±50kN	M12x1.75	15.8mm [5/8in] Stainless		XLC-10K-A1 (01/2365) or YLC-10K-A1 (01/3962)
TC-OLP-20K-A1	±20KN	±60kN	M20x2.5	31.7mm [1 1/4in] Stainless		XLC-20K-A1 (01/2417)
TC-OLP-30K-A1	±30KN	±90kN	M20x2.5	31.7mm [1 1/4in] Stainless		XLC-30K-A1 (01/2366)
TC-OLP-50K-A1	±50KN	±150kN	M20x2.5	31.7mm [1 1/4in] Stainless		XLC-50K-A1 (01/2367)
TC-100K-A1	±100KN	±150kN	M24x2	31.7mm [1 1/4in] Stainless		XLC-100K-A1 (01/2896)