Lawrence Berkeley National Laboratory	Cat Code	LBNL Document #	Rev	
	AL7526	**AL-1889-5173**	B	

Author(s) **D. Munson, A. Gestopa, S. Nguyen**	Collaborating Institution
Reviewed By dvmunson,serenitynguyen	Reviewed Date May 4 2026 3:39:55 PM PDT
Approved / Concurred By espinodevine	DCC Release Date May 18 2026 4:33:26 PM PDT

Title

ADVANCED LIGHT SOURCE — ALS-U - STORAGE RING

GIRDER ASSEMBLY

SR Alignment System BOM

REVISION HISTORY			
Description	**Rev By**	**Rev**	**Date**
Initial release	xxx	A	2019
		B	
		C	
		D	

LBNL Document Control Center

Officially Released To the LBNL Document Control Center
Released: May 18th, 2026 DCC Auth Key: CVAG97GQ1R

Downloaded by: Dawn V Munson at June 05, 2026 11:02:58

Level	Item #	Windchill Description	Part Number*	Rev	Released Date	FAB	McMaster-Carr Part Number	Qty per raft kit
1	1	SR PLINTH STUD M20	AL-1808-2602	B	8/27/2025	X		5
1	2	M20 THRUST BUSHING, LOCKDOWN	AL-1829-7997	C	4/13/2026	X		2
2	2.1	MAGNET, MAGNETIZED THRU THK, 1/8" THK X 1/4" OD, NEODYMIUM	HW-1002-1066				5862K103	6
1	3	M20 THRUST BUSHING, ALIGNMENT	AL-1829-5590	C	4/13/2026	X		3
2	3.1	MAGNET, MAGNETIZED THRU THK, 1/8" THK X 1/4" OD, NEODYMIUM	HW-1002-1066				5862K103	9
1	4	FW M24X4 MS DIN125 ZP	HW-1000-0013				91455A618	74
1	5	HHSC FT M24X70X3 MS DIN933 ZP	HW-1000-0271				91280A935	74
1	6	PLINTH STUD FASTENERS	AL-1605-1360	A	8/13/2025	X		4
2	6.1	WASHER, SPHERICAL, M20, SS 18-8	HW-1000-2161				94007A053	4
2	6.2	NUT, HEX, M20 X 2.5, CLASS 10, STEEL, ZINC	HW-1000-7587				90870A109	4
2	6.3	SPACER, THREADED, M20 STUD	AL-1585-5874	A	5/13/2025	X		4
2	6.4	WASHER, FLAT, 21 ID X 80 OD, SS	AL-1828-2920	B	4/13/2026	X		4
1	7	SR RAFT ALIGNMENT PUSHER BLOCK ASSY	AL-1745-5619	C	3/12/2026	X		2
2	7.1	SR ALIGNMENT BLOCK	AL-1828-2901	A	8/13/2025	X		2
2	7.2	FW M10X2 MS DIN125 ZP	HW-1000-0007				91455A140	8
2	7.3	SCREW, SHCS PT M10X1.5X45LG 12.9 ISO4762 BO	HW-1001-6682				91290A530	8
2	7.4	PLATE, BEARING, SR X-AXIS ALGNMENT	AL-1799-4210	C	3/12/2026	X		4
2	7.5	PLATE, BEARING, SR Z-AXIS ALGNMENT	AL-1799-4208	C	3/12/2026	X		2
2	7.6	BOLT, X-AXIS ADJUSTING	AL-1798-9283	A	2/24/2025	X		4
2	7.7	BOLT, Z-AXIS ADJUSTING	AL-1798-9291	B	8/13/2025	X		2
2	7.8	SCREW, FHSC, M3X0.5X10, CLASS 10.9, STEEL, ISO 10642, BO	HW-1002-0566				91294A130	24
1	8	SR BOSS COVER	AL-1803-5543	B	3/12/2026	X		2
1	9	SHCS FT M10X1.5X50LG 12.9 DIN912, ISO4762 BO	HW-1000-0700				91290A218	12
1	10	FW M10X2 SS A2 DIN125	HW-1000-0030				93475A280	12
1	11	ROUND CAP, 37.16MM OD PIPE, PLASTIC, PIPE END CAP, MIL-PRF81705	HW-1000-7679				94075K39	6
1	12	SR LOAD LEVELER BOSS	AL-1804-6533	C	8/11/2025	X		1
1	13	FW M12X2.5 MS DIN125 ZP	HW-1000-0008				91166A290	4
1	14	SHCS FT M12X1.75X30LG 12.9 DIN912, ISO4762 BO	HW-1000-0710				91290A618	4
1	15	SR OUTBOARD BOSS COVER	AL-1828-8789	A	8/13/2025	X		2

* Note that HW part numbers are COTs items that are identified as HW parts in the LBNL CAD system

Officially Released To the LBNL Document Control Center
Released: May 18th, 2026 DCC Auth Key: CVAG97GQ1R

Downloaded by: Dawn V Munson at June 05, 2026 11:02:58