

The **SI** 14" Bottom Rigging Sheave is supplied with the **SI** clevis swivel and cable retention guides. The sheaves were designed to use common parts, thus reducing spare parts costs and inventory requirements. The sheaves are available for line diameters of 7/32" to 5/16".

SHEAVE DATA

Assembly Proof Load	40,000 lbs.
Design Ultimate Load	100,000 lbs.
Safe Line Tension for 180° Deflection	22,000 lbs.
Maximum Bearing Load	40,000 lbs.

MANUFACTURING REQUIREMENTS

- Machined under strict ISO 9001:2008 standards
- 100% inspection performed
- All material certification, inspection data, and conformance certifications are kept on file for 5 years
- Synergy Industries promotes 100% serialized component traceability

SYNERGY INDUSTRIES SHEAVES ARE MANUFACTURED TO API STANDARDS

- Synergy Industries is API Q1 certified, has been licensed by the American Petroleum Institute to manufacture sheaves under API specifications 8C.
- Synergy Industries also produces sheaves to the requirements of API 2C.
- API sheaves must meet the criteria established by the American Petroleum Institute for drilling and production hoisting equipment.

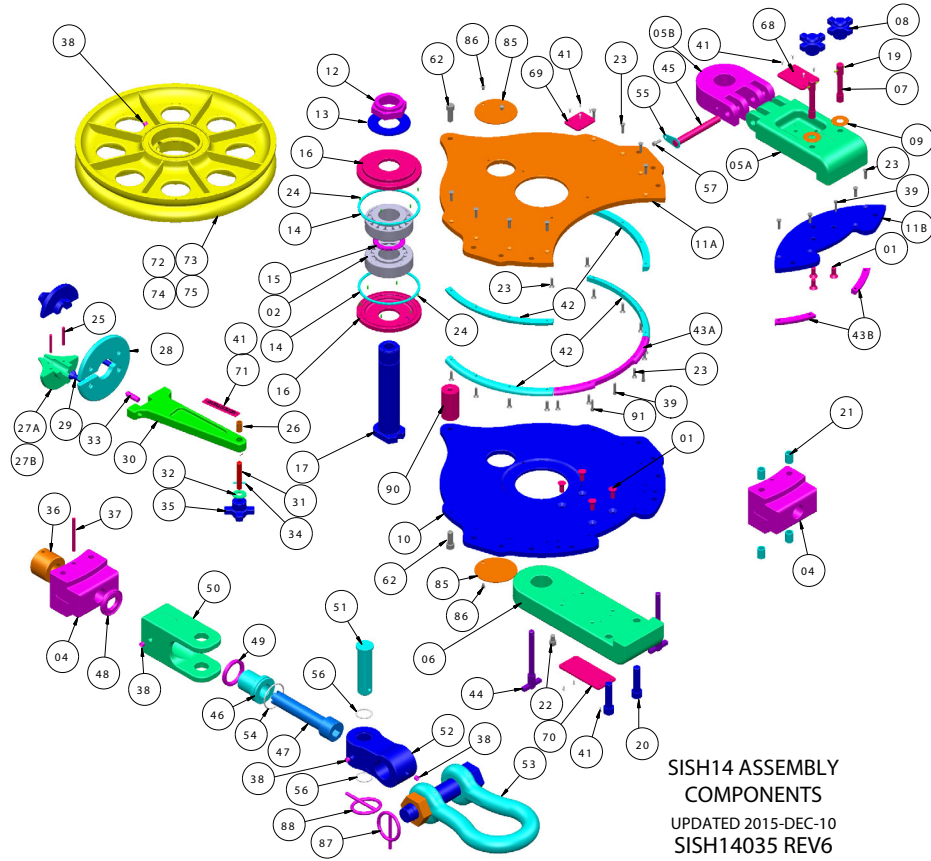
API 8C REQUIRES

- Databook
- Material certs and traceability
- D/d ratio per API RP9B
- MPI
- UT of full penetration weld
- 30° groove angle. Groove depth a minimum 1.33 d and maximum 1.75 d, where d=nominal rope diameter
- Manufactured by an API 8C licensed facility
- Specific groove radius
- Can be furnished to API 8C PSL1 or PSL2

API 2C REQUIRES

- Material certs and traceability
- D/d ratio 18/1 or greater, based on pitch diameter
- At least 30° groove angle
- Specific groove radius





SISH14 ASSEMBLY
COMPONENTS
UPDATED 2015-DEC-10
SISH14035 REV6

SI #	Item #	QTY	Description	SI #	Item #	QTY	Description
M010072	001	7	FHCS	M010070	040	2	KNOB, AL CARR LANE CL-30-HK-4A
M010073	002A	2	TAPERED ROLLER BEARING	M010116	041	4	DRIVE SCREW
M010074	002B	2	TAPERED ROLLER BEARING	M010261	041B	12	DRIVE SCREW
SISH14011	004	1	FRAME CONNECTOR	SISH14029	042	4	WIRE GUIDE
SISH14010 A	005A	1	HINGED SIDE FRAME A	SISH14030A	043A	1	WIRE GUIDE
SISH14010 B	005B	1	FRAME "A" HINGE	SISH14030B	043B	2	WIRE GUIDE
SISH14008	006	1	SIDE FRAME B	M010312	044	2	BALL LOCK PIN WITH LANYARD
M010268	007	2	RELEASE SCREW DOUBLE THREADED STUD	SISH14064	045	1	HINGE SHAFT
M010267	008	2	RELEASE SCREW KNOB (MODIFY STOCK UNIT)	SISH14018	046	1	SLEEVE
SISH14043	009	2	FRAME KNOB ASSEMBLY	SISH14013	047	1	SWIVEL BOLT
M010118	009	2	WASHER METRIC 13 X 24 X 2.7	SISH14014	048	1	LOWER SPACER SWIVEL
SISH14006	010	1	WHEEL SHIELD BACK	SISH14019	049	1	UPPER WASHER SWIVEL
SISH14012A	011A	1	WHEEL SHIELD FRONT A	SISH14015	050	1	SWIVEL YOKE
SISH14012B	011B	1	WHEEL SHIELD FRONT B	SISH14017	051	1	SWIVEL PIN
M010282	012	1	SELF-LOCK SHEAR NUT	SISH14003	052	1	SWIVEL LINK
SISH14036	013	1	WASHER	M010091	053	1	10 TON COMMERCIAL SHACKLE
M010064 A	014	2	TEFLON BACKUP RING	M010298	054	1	O-RING BUNA 2.5MMX42MM
SISH14020	015	1	TSF BEARING SPACER SELECT FIT	SISH14063	055	1	HINGE PIN LOCATOR (WELDED)
SISH14021	016	2	TS BEARING SPACER/SEAL	M010094	056	2	SWIVEL LINK O-RING #2-120
SISH14027	017	1	TS PIVOT BOLT	M010278	057	1	SHCS
M010078	019	2	ROLL PIN FOR RELEASE KNOB	M010096	058	2	BUTTON HEAD SCREW
M010079	020	2	SHCS	M010279	062	2	SHCS
M010060	021	4	HELICOIL	M010112	068	1	PLAQUE LASER ETCHED PART NO.
M010080	022	1	SHCS (ANTI-ROTATION)	M010114	069	1	PLAQUE LASER ETCHED INSPECTION TAG
M010277	023	26	FHCS	M010113	070	1	PLAQUE LASER ETCHED WARNING
M010065	024	12	ROLL PIN	M010115	071	2	PLAQUE LASER ETCHED HAND WARNING
M010067	025	2	ROLL PIN FOR CONES	SISH14031	072	1	SHEAVE 1 PC. 312 GROOVE
M010082	026	2	HELICOIL 3/8-16UNC X .75	SISH14034	073	1	SHEAVE 1 PC. .250 GROOVE
SISH14022	027	2	CONE ASSEMBLY	SISH14046	074	1	SHEAVE 1 PC. .220 GROOVE
SISH14024	028	2	SAFETY RING	SISH14047	075	1	SHEAVE 1 PC. .290 GROOVE
M010083	029	4	FHCS	SISH14002	080		HAND SHIELD ASSEMBLY: PRINT
SISH14001	030	2	SWING ARM	SISH14005	081		14" SHEAVE SWIVEL ASSEMBLY: PRINT
M010084	031	2	THREADED ROD	SISH14007	082		14" SHEAVE ASSEMBLY: PRINT
M010085	032	2	WASHER	SISH14009	083		SHEAVE LOAD POSITION: PRINT
M010086	033	2	SPRING PLUNGER	SISH14035	084		SHEAVE AND FRAME ASSEMBLY EXPLODED: PRINT
M010087	034	2	ROLL PIN	SISH14050	085	2	GREASE HOLE COVER PLATE
SISH14023	035	2	KNOB ASSM (INCLUDES DETS 031,034)	M010280	086	4	GREASE HOLE COVER SCREW (BHCS)
SISH14016	036	1	NUT FOR SWIVEL	M010264	087	1	LINCH PIN SHACKLE
M010088	037	1	ROLL PIN NUT AND BOLT LOCATER	M010281	088	1	LINCH PIN CROSS PIN
M010276	038	4	FLUSH GREASE FITTING	SISH14061	090	1	HANDLE/SPACER
M010283	039	1	SHCS	M010265	091	2	SHCS 8-32 X 3/8