



SURFACE VEHICLE STANDARD	J881™	OCT2021
	Issued 1963-12 Revised 2013-04 Reaffirmed 2021-10	
Superseding J881 APR2013		
(R) Lifting Crane Sheave and Drum Sizes		

RATIONALE

SAE J881 has been reaffirmed to comply with the SAE Five-Year Review policy.

1. SCOPE

This SAE Standard covers minimum dimensional relationship for sheaves, drums, and wire rope for mobile, construction type lift cranes.

2. REFERENCES

There are no referenced publications specified herein.

3. REQUIREMENTS

TABLE 1

Use	Minimum Ratio, PD/RD
Load hoisting sheaves, on boom	18.0:1
Load hoisting sheaves, in traveling blocks	16.0:1
Load hoisting drum	18.0:1
Boom hoisting sheaves	15.0:1
Boom hoisting drum	15.0:1

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