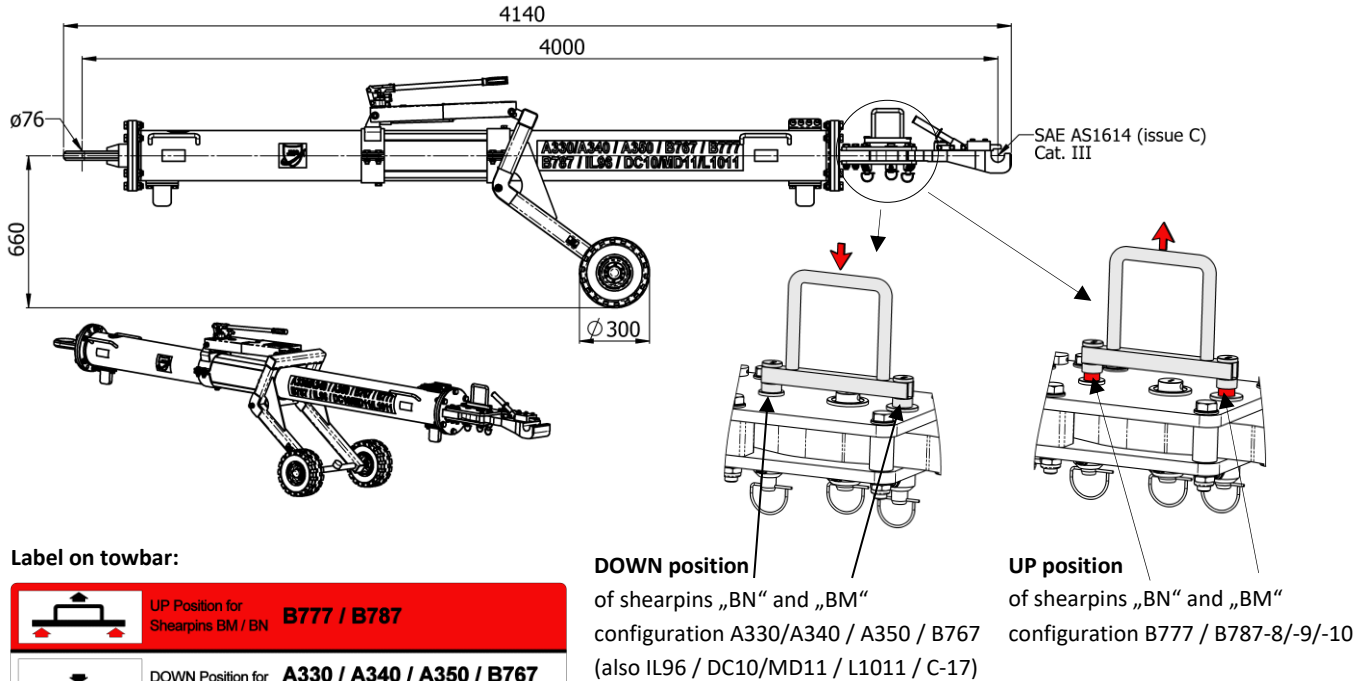


J-TOWversa1



standard features:

- 1xpush/pull and 1xtorque shear pin mounted, controlled via central handle (only for double position shearpins; see page 2 for options), pins replaceable w/o using tools (add. as spare parts incl.: 2xpush/pull and 2xtorque shear pins)
- 1xretaining pin, replaceable without using tools
- FOD-Protection device: no shear pin debris will be lost in case of shear pin fracture!
- automatic locking mechanism
- air-inflated tires
- hydraulically height adjustable undercarriage
- steel tube
- supporting steel block at towhead and toweye side
- Skydrol resistant paint
- standard colors:
 yellow RAL 1007 (tube),
 black RAL 9004 (undercarriage)

documentation:

- technical manual incl. illustrated spare parts list
- COC Certificate of conformity
- CE declaration of conformity (if applicable)

net weight (without options):

- 310 kg / 683 lbs

cargo version:

- please refer to separate datasheet
 J-TOWversa1-A300 for special cargo version covering B767-200/-300/-400, MD11 & A300/310-clamp type, via special towhead-adapter

This towbar is also available with several options, as well as with alternative single position shearpins; please refer to the second page for further details.

shipping information incl. packing (per unit):

approx. weight	approx. shipping dims l x w x h	approx. volume
[kg] 426	[mm] 4500 x 1050 x 965	[m ³] 4,6
[lbs] 939	[inch] 177 x 41 x 38	[ft ³] 162

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TDS_J-TOWversa1_R10

options		aircraft type									
		Airbus A330-200(F)/-300 Airbus A330/-800/-900/neo	Airbus A340-200/-300 (not for A340-500/-600)	Airbus A350-900/-1000	Boeing B767-200/-300/-400	IL96/L101/C-17	DC10/MD11	Boeing B777-200/-300/-9	Boeing B787-8/-9/-10		
possible options	toweye options only one option possible	<u>standard: rigid toweye</u>									
		rev. tow eye with shock absorber	AA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		revolving tow eye	AP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	towhead options	<u>standard: rigid towhead</u>									
		revolving towhead	AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		shear break indicator	MSI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	under-carriage	<u>standard: rigid axis</u>									
		floating axle	AV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	tube-color	<u>standard: RAL 1007</u>									
		customized tube-color	A-RAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	wheel options only one option possible	<u>standard: ø300 air inflated</u>									
		ø300 punct.-proof (full rubber) tires	R3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		ø400 air inflated tires	R3-4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		ø400 punct.-proof (full rubber) tires	R3-4V	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<u>Further available options:</u> alternate length, split-tube, supporting rubber blocks, additional handles, cable support ...										
possible shear pin combinations	shearpin DOUBLE position for PUSH / PULL	<u>standard DOUBLE position pin</u>									
		„BM“ – 20-01490-0020-022									
		DOWN position					UP position				
	shearpin DOUBLE position for TORQUE	<u>standard DOUBLE position pin</u>									
		„BN“ – 20-01490-0020-025									
		DOWN position					UP position				
	<u>alternatively: shearpins with SINGLE/down position for dedicated aircraft</u>										
	shearpin SINGLE position PUSH / PULL	BQ					BR				
		20-01490-0020-122					20-01490-0020-222				
	shearpin SINGLE position TORQUE	BS					BT				
20-01490-0020-125					20-01490-0020-225						
retaining pin	<u>standard retaining pin for any configuration</u>										
	20-01490-0020-021										
	L1-FB										

Legend:

○ = possible options for purchase (only one option possible per category)

● = required (For DC10 & MD11 revolving tow head required)

N/A = not available / not applicable

Further options upon request