



J-TOW – Aircraft Towbars RETROFIT options & suggestions
commercial airliners: Wide-body & Single-aisle

Aircraft Type of TOWBAR:	type	Tow-body	individual existing version of towbar	“suggested” universal type	remarks/ comments
		type	towbars with bolted tow-head		
			incl. hydr. height adj.	undercarriage	to be considered
J-TOWversa3: covers also B737-MAX		B	J-TOWversa3 old	Versa3	new tow-head**
J-TOWversa1: covers also B787-all series		A	J-TOWversa1 old	Versa1	new tow-head*
Airbus A220-100/-300 (ex Bombard CS-100/-300)		B	J-TOWc100	Versa3	different tow-head
Airbus A300-B2/-B4/-600 & A310-200/-300 - clamp type		A	J-TOW300-C	Versa1-A300 or Versa1	different tow-head
Airbus A300-B2/-B4/-600 & A310-200/-300 - lock pin type		A	J-TOWversa2	Versa1	different tow-head
Airbus A318/A319/A320/A321+NEO, ACJ, Elite		B	J-TOW320	Versa3	different tow-head**
Airbus A330-200(F)/-300/-800/-900-MRTT, KC-30, Airbus A340-200/-300		A	J-TOW330	Versa1	other shearpins/ new tow-head*
Airbus A340-500/-600		A	J-TOW345	Versa1	different tow-head
Airbus A350-900/-1000		A	J-TOW350	Versa1	other shearpins/ new tow-head*
Airbus A380-800		A	J-TOW380	Versa1	different tow-head
Boeing B727-100/-200 – lock pin		A	J-TOWversa2	Versa1	different tow-head
Boeing B737 Classic, NG, MAX, BBJ- clamp type		B	J-TOW737-C	Versa3	new tow-head**
Boeing B747-100/-200/-300/-SP/-400/-400ER/-400ERF/-8/-8F		A	J-TOW747	Versa1	different tow-head*
Boeing B757-200/-300		A	J-TOW757	Versa1	new tow-head*
Boeing B767-200/-300/-400ER		A	J-TOW767	Versa1	add shearpins/ new head*
Boeing B777-200/-200ER/-300/-200LR/-300ER		A	J-TOW777	Versa1	add shearpins/ new head*
Boeing B787-8/-9/-10		A(Long)	J-TOW787	Versa1	add shearpins/ new head*
Boeing C17		A	J-TOWC17	Versa1	add shearpins
Embraer ERJ 170/175, 190/195, Lineage		B	J-TOW170	Versa3	different tow-head
Embraer E2 (190-E2 / 195-E2)		B	J-TOWE2	Versa3	different tow-head**
Ilyushin IL76		A long	J-TOW76	Versa1	eliminate extension tube – different tow-head
Ilyushin IL96		A	J-TOW96	Versa1	add shearpins/ new head*
Jakowlew YAK42 (has 400mm-wheels)		B	J-TOWyk42	Versa3	req. 300mm-wheels & different tow-head
Lockheed C-130		B	J-TOW130	Versa3	different tow-head
Lockheed L1011		A	J-TOWversa1 old	Versa1	add shearpins/ new head*
McDonnell Douglas DC-10, MD-11		A	J-TOWDC10	Versa1	add shearpins/ new head*
Sukhoi Superjet 100		B short	J-TOWsj100	Versa3	add extension tube & new tow-head
COMAC C919		B	J-TOW919	Versa3	different tow-head
Tupolev TU154		B	J-TOW154	Versa3	different tow-head
Tupolev TU204		B	J-TOW204	Versa3	different tow-head

Retrofit-requirements: In case of retrofit for any other towbar,- it must be of same range, narrow to narrow or wide to wide & it must comply with minimum length; for other brands please submit details as per [retrofit checklist](#).

Remarks: we changed configuration of shearpins onto our universal towbars as follows in view of new aircraft flying:

- *J-TOWversa1 since 2020 in view of coverage of all B787,
- **J-TOWversa3 since 2016 in view of coverage for B737-Max (for E2 requested split undercarriage).

Hydro B-body does not need an adapter flange; rest to consider adapter flange as well.

Towbars will request re-labelling and update of manual to prevent mis-use and consider correct spares.

Please refer to [JMS-website](#) for illustrations and videos; contact sales@jms.aero for quotes and details.

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