

Shock Absorbers for Sondes



2020-41

Vesala range of shock absorbers, technical specifications and compatibility

Product image	Prod. Name	Prod.ID	Fitting - Spring - Fitting Head Options	Head Prod.ID	Length/Weight	Duct min- max Din (Calibration %)	Compatible Sondes				
	IV343	V14343	M3.5 - Ø4.0mm - M3.5	---	67mm / 2.2g	6mm - 8mm	X				
	IV343-48	V14350	IV343 + head Ø4.8mm	T20840	76mm / 3.4g	6mm (80%) - 8mm (60%)	X				
	IV343-64	V14355	IV343 + head Ø6.4mm	T20841	82mm / 6.0g	8mm (80%)	(X)				
	IV565 v2	V14567	M5 - Ø6.4mm - M5	--- 2)	49mm / 6.3g	8mm - 12mm		X	X	X	
	IV566 v2	V14568	M5 - Ø6.4mm - M6	---	46mm / 6.9g	8mm - 12mm		X	X	X	
	IV566-66	V14571	IV566 + head Ø6.6mm	T20845	57mm / 9.0g	8mm (83%) - 10mm (66%)		X	X		
	IV566-80	V14576	IV566 + head Ø8.0mm	T20842	61mm / 13g	10mm (80%) - 12mm (67%)		X	X	X	
	IV566-96	V14581	IV566 + head Ø9.6mm	T20843	67mm / 19g	12mm (80%)		(X)	(X)	(X)	
	IV596 v2	V14569	M5 - Ø9.0mm - M6	---	50mm / 14g	12mm - 20mm		X	X	X	X
	IV596-96	V14685	IV596 + head Ø9.6mm	T20843	70mm / 26g	12mm (80%) - 14mm (69%)		X	X	X	X
	IV596-112	V14687	IV596 + head Ø11.2mm	T20844	76mm / 35g	14mm (80%) - 16mm (70%)		X	X	X	X
	IV596-128	V14689	IV596 + head Ø12.8mm	T20839	81mm / 24g	16mm (80%) - 20mm (64%)		X	X	X	X
	IV666 v2	V14667	M6 - Ø6.4mm - M6	---	52mm / 7.5g	8mm - 12mm				X	
	IV666-80	V14671	IV666 + head Ø8.0mm	T20842	67mm / 13g	10mm (80%) - 12mm (67%)				X	
	IV666-96	V14676	IV666 + head Ø9.6mm	T20843	73mm / 20g	12mm (80%)				(X)	
	IV696 v2	V14697	M6 - Ø9.0mm - M6	---	52mm / 15g	12mm - 20mm				X	X
	IV696-96	V14701	IV696 + head Ø9.6mm	T20843	72mm / 27g	12mm (80%) - 14mm (69%)				X	X
	IV696-112	V14706	IV696 + head Ø11.2mm	T20844	78mm / 36g	14mm (80%) - 16mm (70%)				X	X
	IV696-128	V14711	IV696 + head Ø12.8mm	T20839	83mm / 25g	16mm (80%) - 20mm (64%)				X	X
	¹⁾ FM55	V14805	M5 - Ø6.4mm - M5F	---	55mm / 7.0g	8mm - 12mm		X	X	X	
	¹⁾ FM56	V14800	M5 - Ø6.4mm - M6F	---	55mm / 7.2g	8mm - 12mm		X	X	X	

1) Flexible accessory to protect M5 sondes during push rod use. FM56 operates also as an M5 to M6 adapter. Smallest recommended duct diameter depends on the sonde being used.

2) No head available from Vesala. Customers can use their own head/ accessory with M5 fitting.

3) Minimum 9mm duct size is recommended.

Sondes & Prod.ID

X = Recommended
(X) = Compatible but a larger sonde and a thicker shock absorber is highly recommended.

V14010		MPL4-33
V14020		MPL6-33M5F
V19010		VMS6-33M5F ³⁾
V14030		MPL7-33M5F
V14031		MPL7-33M6F
V14040		MPL9-33M5F
V14041		MPL9-33M6F

Example of use:



MPL6-33M5F sonde with the IV566-66 shock absorber, ready to be used to calibrate 8mm ducts with 80% diameter ratio or 10mm ducts with 66% ratio.

Shock absorbers are special accessories to Vesala's NanoSonde, MicroSonde and MiniSonde, intended for duct tracing and calibration together with a blowing machine. They considerably decrease risk of sonde damage during jetting by absorbing the excessive energy when the sonde hits an object. Hence it is recommended to use shock absorbers when possible.

All shock absorbers include a base part with a spring with two threaded fittings. First thread is to mount the base to the sonde, the other for a calibrator head or push rod. A variety of shock absorbers and calibrator heads are readily available for different sonde models and duct sizes. The table on the left shows all compatible combinations.

Even if customers prefer to use their own calibrator heads, it is important to choose the right shock absorber according to the sonde model and duct size, and use a sonde catcher at the duct end.

Vesala sales dept. will gladly help you to choose the right accessories for your sondes.

www.vesala.fi

H.VESALA Oy

Peräsimentie 1
 FI-03100 NUMMELA
 FINLAND

Tel. +358 44 200 2005
 Email: sales@vesala.fi

© H.Vesala Oy. Contents subject to change without notice.