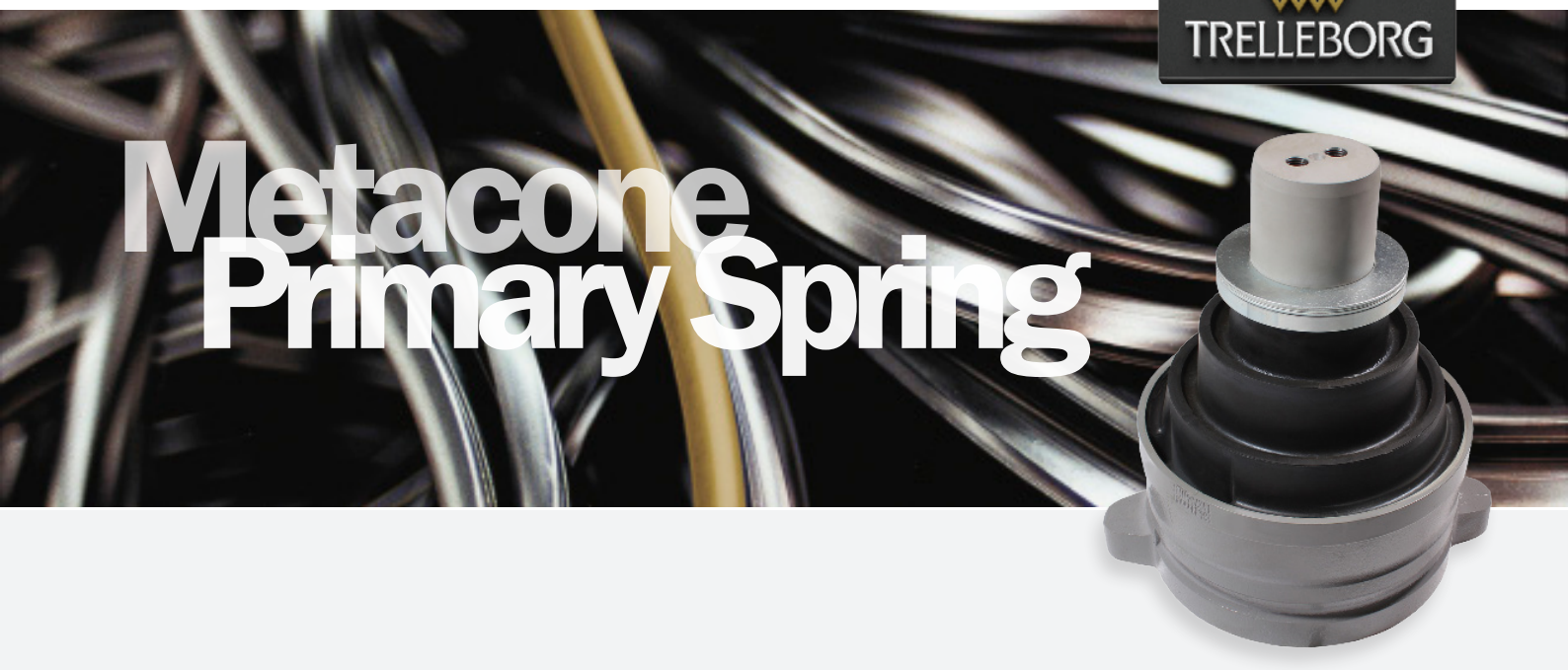


Metacone Primary Spring

Metacone® Primary Spring

The Metacone® Primary Spring is an easily fitted and compact suspension unit in which the rubber is loaded in combined shear and compression.

Optimum load-deflection properties, i.e. high load capacity and large static deflections can be provided within acceptable space envelope limitations.

The range illustrated caters for static vertical loads and deflections up to 50kN and 40mm respectively, which are typically suitable for many primary suspension requirements.

These springs may also be considered for secondary suspensions and power unit applications.

Metacone® Primary Springs generally provide the same stiffness rates in the principal horizontal modes but alternative designs with dissimilar horizontal stiffness rates can be produced.

About Trelleborg Industrial AVS

Over 100 years of experience as Metalastik and Novibra, today Trelleborg Industrial AVS make improvements people can physically feel. From smoother travel to quieter, more efficient machines, we make life feel better. With quality, testing and compliance built in, we're in it for the long haul, ensuring your solution still works, over an extended and often arduous life-cycle.

With three state-of-the-art manufacturing plants across the globe, our experience in rubber to metal bonding enhances several industries, including off-highway vehicles, rail and mass transit, marine and energy and general industry.

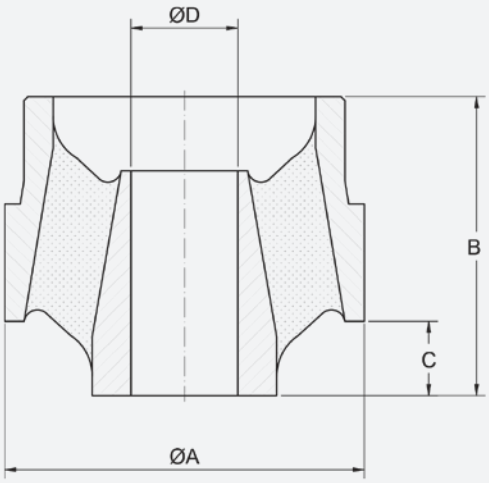
We offer an end-to-end service, to take you from concept through design, manufacturing and testing to delivery. This reduces the complexity of supply, helping you cut costs, mitigate risk and receive on time, on budget delivery.

Trelleborg IAVS is part of Trelleborg Group, which employs 15,000 people in over 40 countries. Whatever your challenge, whatever your role and wherever you are, we are nearby to offer expert knowledge and quality solutions.

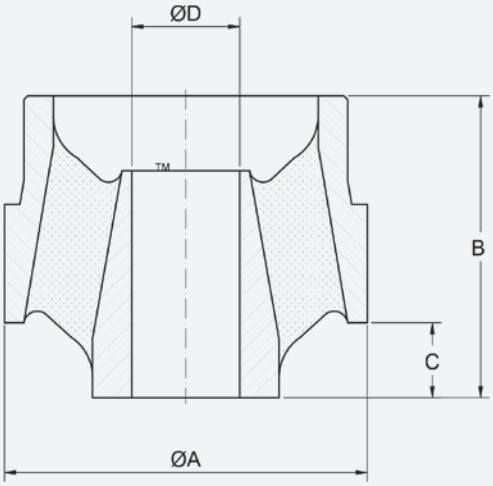
Metacone® Primary Spring

Technical Drawing

20-40 mm Vertical Deflection



21-40 mm Vertical Deflection



Product Data

DRAWING No.	DIMENSIONS (mm)					NOMINAL VERTICAL LOAD (kN)	VERTICAL DEFLECTION (mm)	VERTICAL STIFFNESS (kN/mm)	LATERAL STIFFNESS (kN/mm)	LONGITUDINAL STIFFNESS (kN/mm)	WEIGHT (kg)
	A	B	C	D	E						
17/2083	185	153	38	55		8.5	20	0.42	3.4	3.4	7.3
17/1888	185	153	38	55		17	20	0.84	2.3	2.3	10.5
17/2105	150	143	41	-		24.8	20	1.21	4	4	5.25
17/1053	207	118	54	79		14	23	0.6	0.8	0.8	7.2
17/2047	260	319	103	-		31	32	3.6	4	4	24.5
17/1817	293	282	132	90		51	34	1.5	*	*	38.5
17/1836	275	243	103	-		34	38	0.9	9.5	9.5	30

Horizontal stiffness rates quoted in he tables above relate to the normal vertical load conditions and may very with vertical deflection. Parts listed are part of a wider range, details of which are available upon request.

Nominal load = average load for passenger vehicles (crush load may be higher) and maximum load for freight vehicles

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