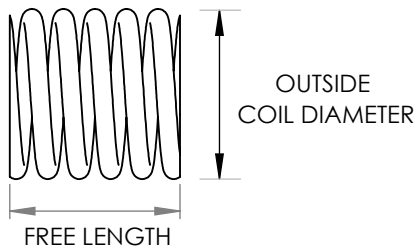


USED ON ASSEMBLY	SUSPENSION ASSY - CUSTOM COMPRESSION SPRING
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HELICAL COMPRESSION SPRING

FREE LENGTH	445.14mm
SOLID LENGTH	300mm
WIRE DIAMETER	50mm
OUTSIDE COIL DIAMETER	450mm
INSIDE COIL DIAMETER	350mm
MEAN COIL DIAMETER	400mm
WORKING TURNS	4
TOTAL TURNS	6
RATE	252.38N/mm
MAX. WORKING LOADS	36630.54N
STRESS AT MAX. LOAD	353MPa
DEFLECTION AT WORKING LOAD	145.14mm

**NOTE:**  
 ONE COIL AT EACH END TO BE SET AND GROUND TO FORM A FLAT SEAT  
 LIE 90° TO THE AXIAL CENTRE OF THE SPRING.

MATERIAL LIST						
TOLERANCES UNLESS OTHERWISE STATED				COMPANY  UNIVERSITY OF SYDNEY		
MATERIAL	ALL CARBON, LOW ALLOY and MARTENSITIC STEELS			TITLE  GROUP10 -1-1-A4		
		NAME	DATE	DWG NO. <b>SUSPENSION ASSY</b> <b>CUSTOM COMPRESSION SPRING</b>		
DRAWN		GROUP10	11/11/2020			
CHECKED				SCALE: N.T.S.        SHEET 1 OF 1        A4		
APPROVED						