METAL CASE MATERIAL

As a standard, deVries International's outer and inner metal cases are produced from carbon steel treated to prevent corrosion during transportation and storage. In addition to the standard material shown below, cases can be made in stainless steel, aluminum, brass, or bronze.

SAE NUMBER	CASE APPLICATION
1008-1010	General purpose carbon steel. Most widely used and most economical case material.
1040-1050	Carbon steel, heat treated. R_C 40.
30302-30304	Stainless steel. Price may have a premium of up to 40% more than carbon steel.

METAL CASE THICKNESS

The proper metal case thickness used in a seal is determined by its outside diameter and intended application. The table below gives suggested case thickness and corresponding seal outside diameters.

SEAL OUTSIDE DIAMETER (mm)	SEAL OUTSIDE DIAMETER (inches)	METAL CASE THICKNESS (mm)
0 – 30	0 – 1.180	0.50, 0.60, 0.80, 1.00
30 – 80	1.180 – 3.150	0.80, 1.00
80 – 1503.150	– 6.000	1.00
150 – 1906.000	– 7.480	1.20
190 – 3007.480	– 11.810	1.60
300 – 45011.810	– 17.716	2.30, 2.50

SPRING MATERIAL

Standard spring material is hard-drawn carbon steel wire, oiled and treated to prevent corrosion. We also supply stainless steel for extra protection against corrosion.

SAE NUMBER	SPRING APPLICATION
1070-1080	General purpose carbon steel.
30302-30304	Stainless steel. Price may have a premium of up to 15% more than carbon steel.