



**McMines  
Inc.**

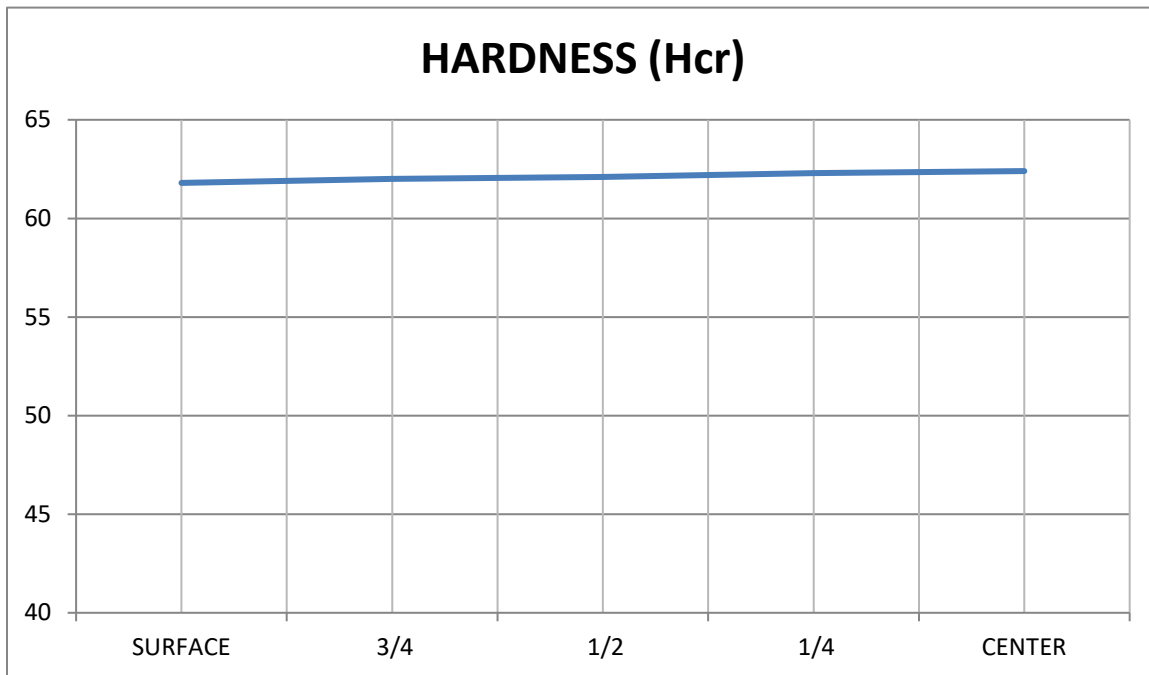
**793, rue Chicobi, Launay, Québec, J0Y 1W0  
Téléphone : 819-732-8775 Fax: 819-732-8224**

## Products specifications

### 1 inch forged grinding balls

Average volumetric hardness data Hrc

AVH	Surface	3/4	1/2	1/4	Center
62.1	61.8	62	62.1	62.3	62.4



Product compositions (Weight percent)

C	MN	Si	S	P	Cr
0.99	0.97	0.16	0.031	0.011	0.39



**McMines  
Inc.**

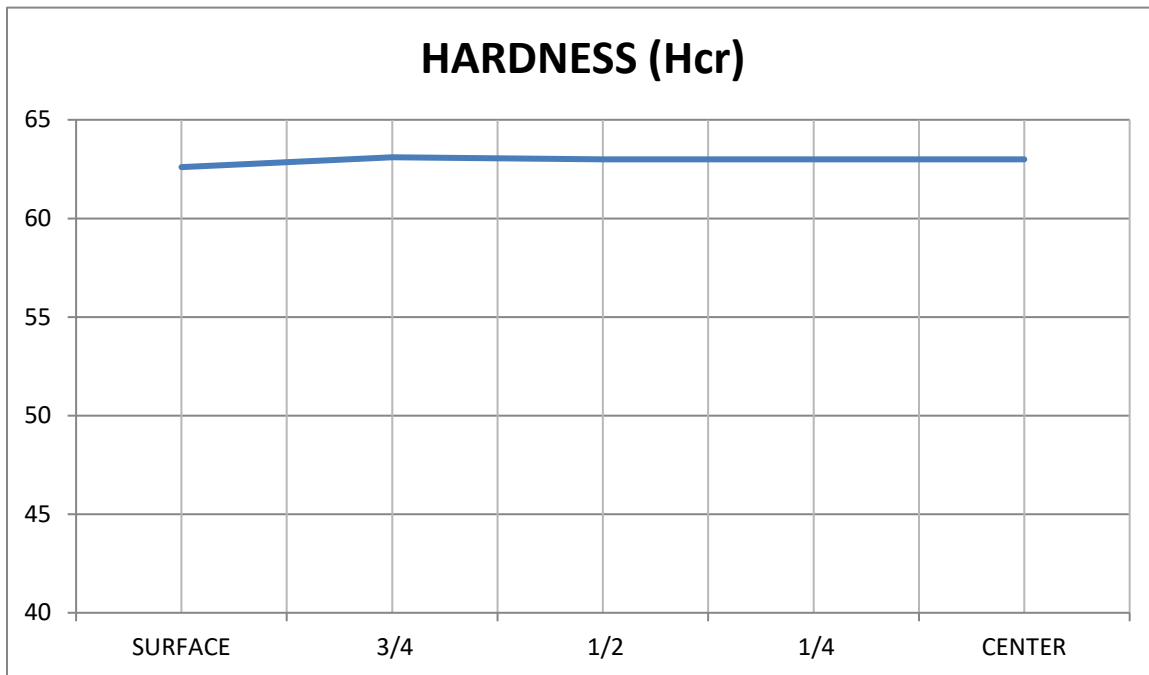
**793, rue Chicobi, Launay, Québec, J0Y 1W0  
Téléphone : 819-732-8775 Fax: 819-732-8224**

## Products specifications

1-1/2 inch forged grinding balls

Average volumetric hardness data Hrc

AVH	Surface	3/4	1/2	1/4	Center
63	62.6	63.1	63	63	63



Product compositions (Weight percent)

C	MN	Si	S	P	Cr
0.99	0.97	0.16	0.026	0.008	0.38



**McMines  
Inc.**

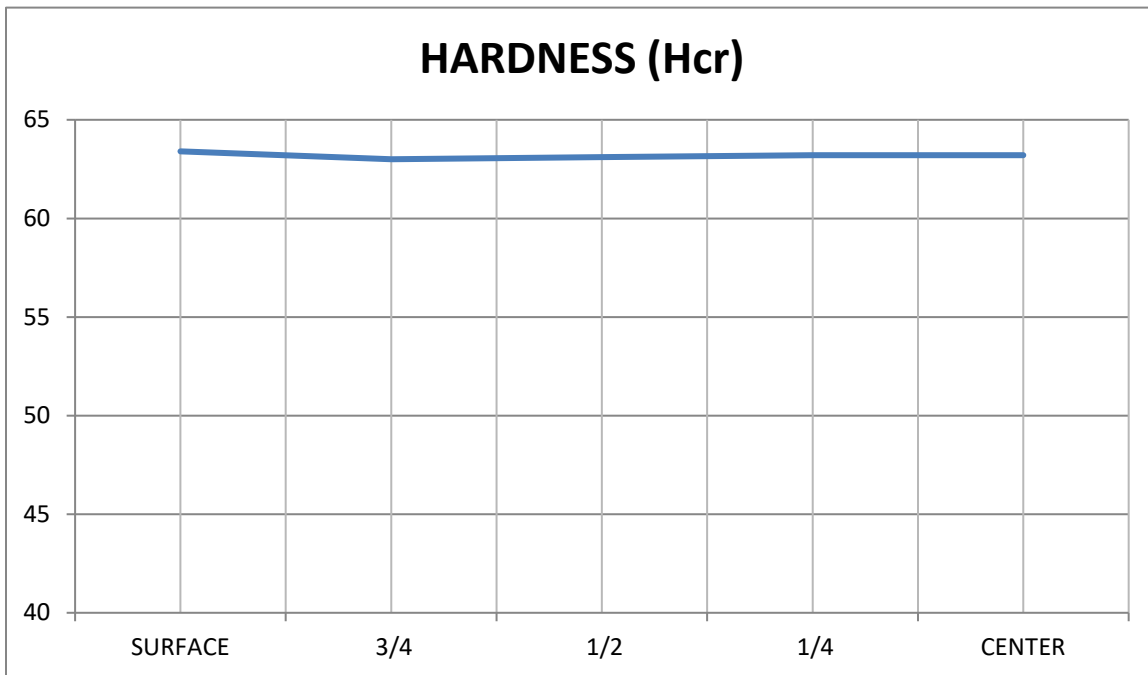
**793, rue Chicobi, Launay, Québec, J0Y 1W0  
Téléphone : 819-732-8775 Fax: 819-732-8224**

## Products specifications

### 2 inch forged grinding balls

Average volumetric hardness data Hrc

AVH	Surface	3/4	1/2	1/4	Center
63.1	63.4	63	63.1	63.2	63.2



Product compositions (Weight percent)

C	MN	Si	S	P	Cr
0.98	0.95	0.17	0.030	0.0012	0.38



**McMines  
Inc.**

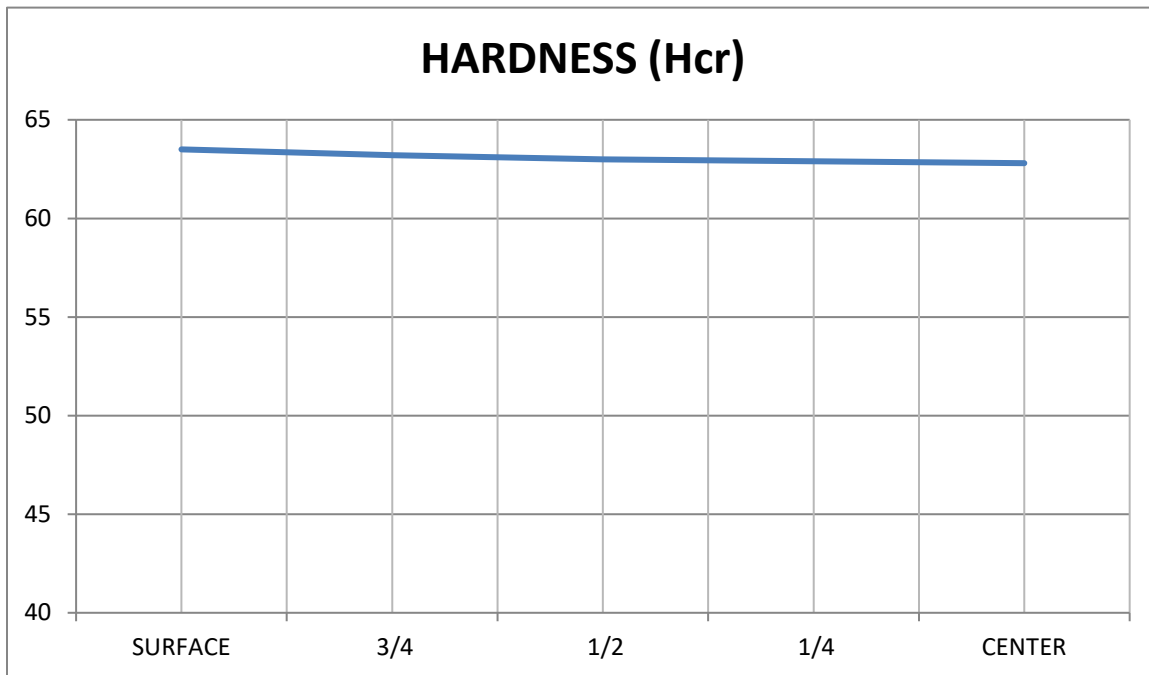
**793, rue Chicobi, Launay, Québec, J0Y 1W0  
Téléphone : 819-732-8775 Fax: 819-732-8224**

## Products specifications

2-1/2 inch forged grinding balls

Average volumetric hardness data Hrc

AVH	Surface	3/4	1/2	1/4	Center
63.2	63.5	63.2	63	62.9	62.8



## Product compositions (Weight percent)

C	MN	Si	S	P	Cr
0.95	0.96	0.17	0.029	0.011	0.60



**McMines  
Inc.**

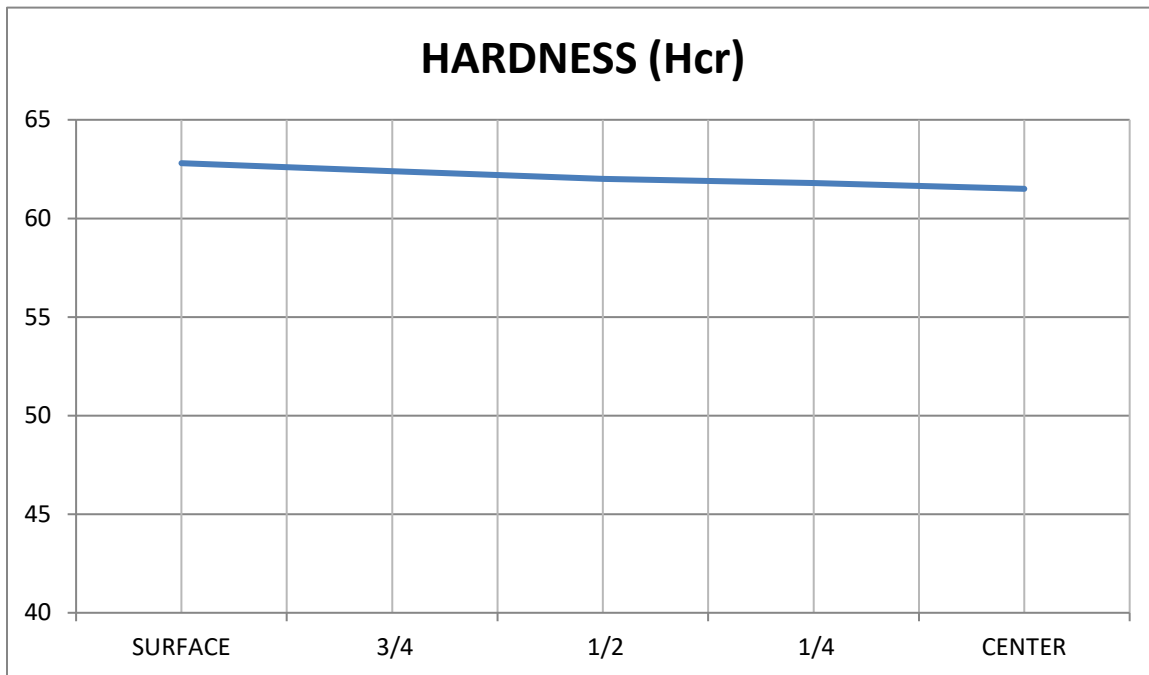
**793, rue Chicobi, Launay, Québec, J0Y 1W0  
Téléphone : 819-732-8775 Fax: 819-732-8224**

## Products specifications

### 3 inch forged grinding balls

Average volumetric hardness data Hrc

AVH	Surface	3/4	1/2	1/4	Center
62.3	62.8	62.4	62	61.8	61.5



Product compositions (Weight percent)

C	MN	Si	S	P	Cr
0.93	0.94	0.20	0.027	0.013	0.59



**McMines  
Inc.**

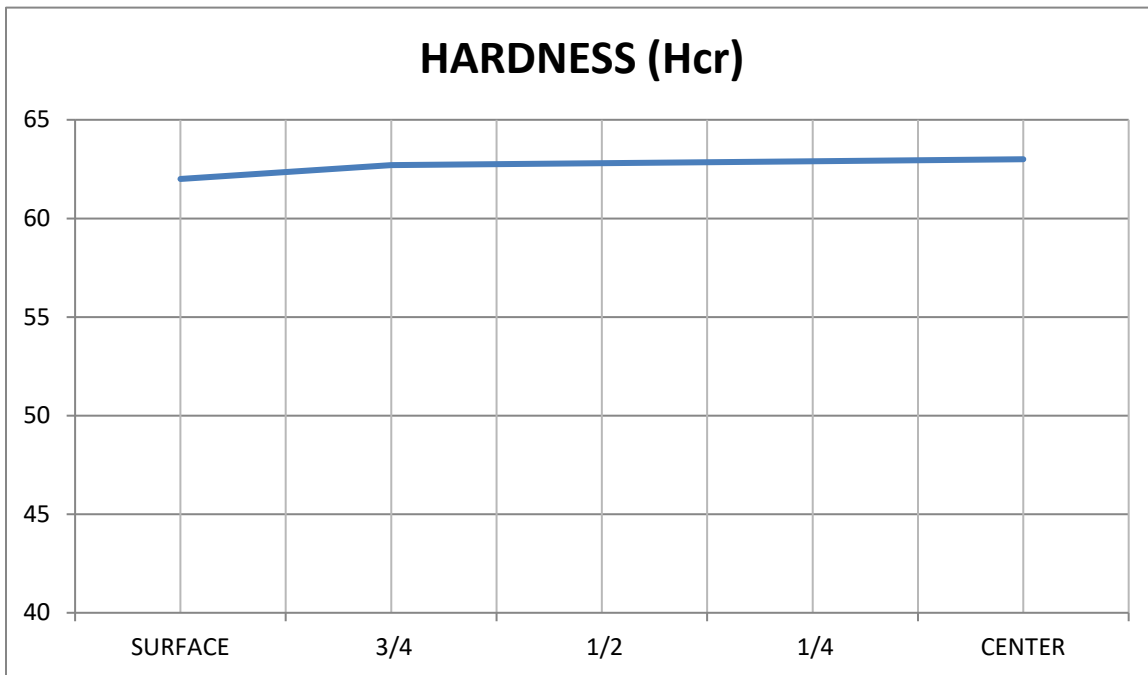
**793, rue Chicobi, Launay, Québec, J0Y 1W0  
Téléphone : 819-732-8775 Fax: 819-732-8224**

## Products specifications

3-1/2 inch forged grinding balls

Average volumetric hardness data Hrc

AVH	Surface	3/4	1/2	1/4	Center
62.5	62	62.7	62.8	62.9	63



Product compositions (Weight percent)

C	MN	Si	S	P	Cr
0.75	0.85	0.20	0.028	0.010	0.62



**McMines  
Inc.**

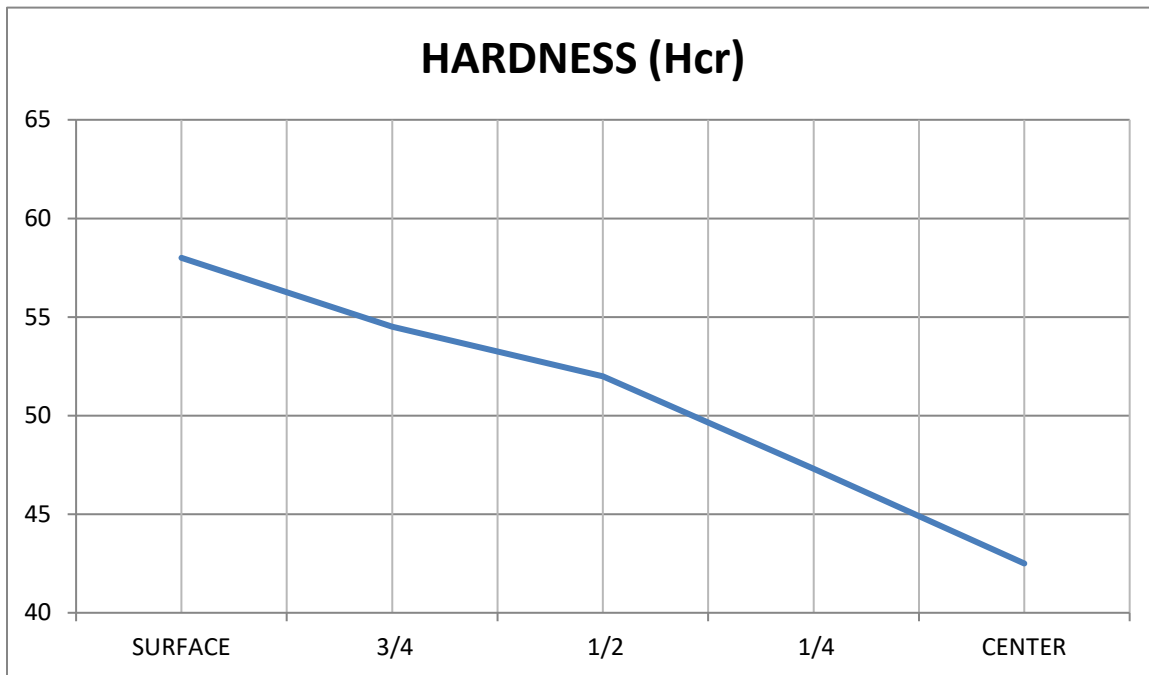
**793, rue Chicobi, Launay, Québec, J0Y 1W0  
Téléphone : 819-732-8775 Fax: 819-732-8224**

## Products specifications

### 4 inch forged grinding balls

Average volumetric hardness data Hrc

AVH	Surface	3/4	1/2	1/4	Center
54.50	58.00	54.50	52.00	47.30	42.50



Product compositions (Weight percent)

C	MN	Si	S	P	Cr
0.52-0.65	0.6-1.2	0.17-0.37	0.04 max	0.04 max	0.25 max



**McMines  
Inc.**

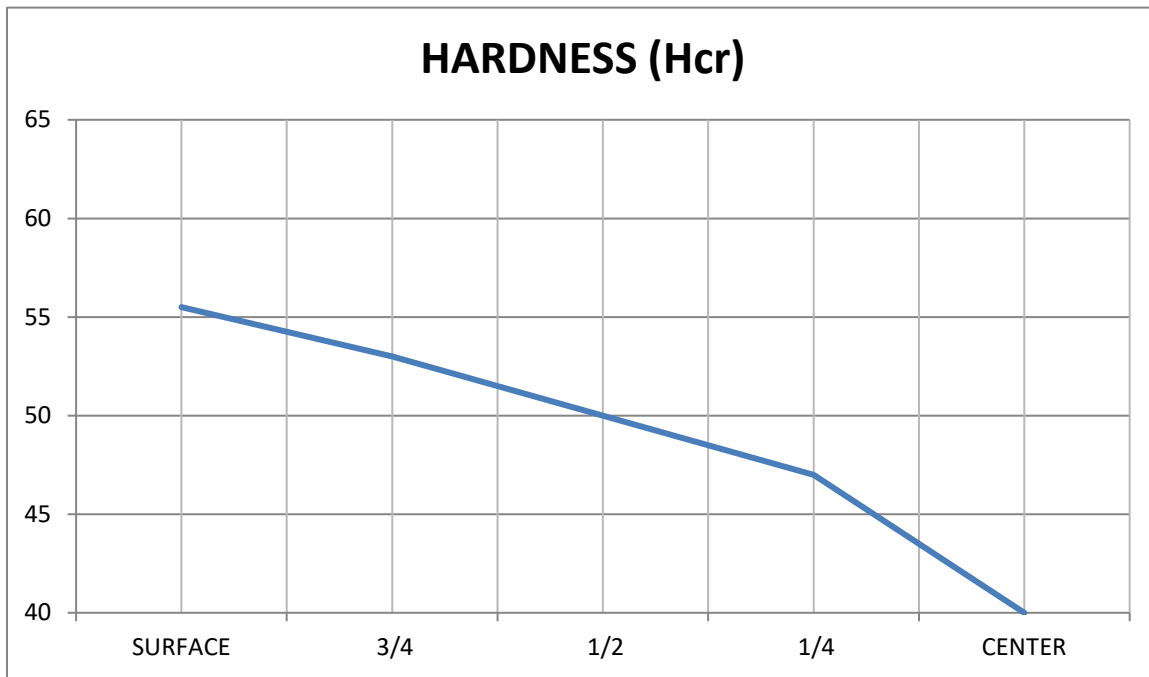
**793, rue Chicobi, Launay, Québec, J0Y 1W0  
Téléphone : 819-732-8775 Fax: 819-732-8224**

## Products specifications

### 5 inch forged grinding balls

Average volumetric hardness data Hrc

AVH	Surface	3/4	1/2	1/4	Center
52.9	55.5	53	50	47	40



Product compositions (Weight percent)

C	MN	Si	S	P	Cr
0.52-0.65	0.6-1.2	0.17-0.37	0.04 max	0.04 max	0.25 max