

FLAKINESS SIEVES

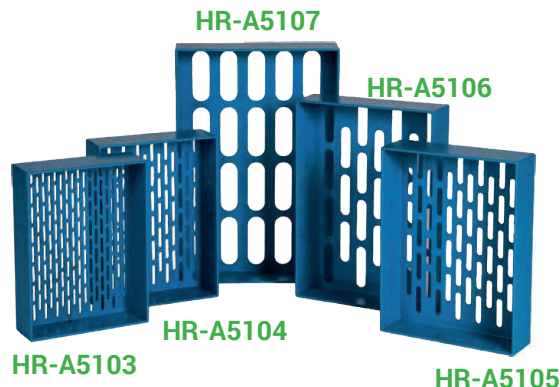
STANDARDS: BS 812

Used to determine if aggregate is flaky; i.e. if thickness is less than 0,6 of nominal size.

Each sieve made from heavy gauge steel sheets in dimensions specified in the standards and coated with electrostatic paint.

Technical Specifications:

| Product Code | Product Name | Slot Size (mm) | Dimensions (cm) | Weight (kg) |
|--------------|---------------------|----------------|-----------------|-------------|
| HR-A5101 | Flakiness Sieve | 4.9 x 30 | 30x22x8 | 1.6 |
| HR-A5102 | Flakiness Sieve | 7.2 x 40 | 32x24x8 | 1.7 |
| HR-A5103 | Flakiness Sieve | 10.2 x 50 | 34x26x8 | 1.8 |
| HR-A5104 | Flakiness Sieve | 14.4 x 60 | 36x26x8 | 2 |
| HR-A5105 | Flakiness Sieve | 19.7 x 80 | 39x28x8 | 2.2 |
| HR-A5106 | Flakiness Sieve | 26.3 x 90 | 42x30x8 | 2.7 |
| HR-A5107 | Flakiness Sieve | 33.9 x 100 | 47x32x8 | 3.0 |
| HR-A5100/S | Flakiness Sieve Set | Complete Set | 47x32x56 | 15 |



WET WASHING SIEVES

STANDARDS: ASTM E11

Used for wet testing of various materials enabling to wash the fines through the sieve without losing any of the sample.

Frame and woven wire cloth are stainless steel made.

Technical Specifications:

| Product Name | Frame Ø200 x 100 mm | Frame Ø300 x 100 mm | Aperture Size (mm) |
|-------------------|---------------------|---------------------|--------------------|
| Wet Washing Sieve | HR-G2210 | HR-G3210 | 6.3 mm (¼") |
| Wet Washing Sieve | HR-G2211 | HR-G3211 | 4.75 mm (No.4) |
| Wet Washing Sieve | HR-G2212 | HR-G3212 | 2 mm (No.10) |
| Wet Washing Sieve | HR-G2213 | HR-G3213 | 425 µm (No. 40) |
| Wet Washing Sieve | HR-G2214 | HR-G3214 | 75 µm (No. 200) |
| Wet Washing Sieve | HR-G2215 | HR-G3215 | 63 µm (No. 230) |

***For different size, please contact with our company.



TEST SIEVES

STANDARDS: EN 933-1, EN 933-2, ISO 3310-1, ISO 3310-2, ISO 565, ASTM E11

HİRA Laboratory Testing Equipment proposes a complete range of testing sieves which are used in all types of sieve testing applications, from sampling and classification of soils, aggregates and other powdered and granular materials.

Each sieve is individually serial numbered on metal label, ensuring full traceability.

The HİRA sieves are made with only the highest quality materials and are available in diameter sizes of 100, 150, 200, 300, 400 and 450 mm.

Woven wire mesh Sieves are available in 100, 150, 200, 300, 400 and 450 mm frame diameters materials of stainless steel.

Perforated Plate Sieves are available in 200, 300 mm frame diameters materials of stainless steel.

Table for the Woven Wire Mesh Sieves (ISO 3310-1)

| Aperture Size | Frame Ø100 x 50 mm | Frame Ø150 x 50 mm | Frame Ø200 x 50 mm | Frame Ø300 x 75 mm | Frame Ø400 x 50 mm | Frame Ø450 x 50 mm |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 125 mm | HR-G12125 | HR-G1125 | HR-G2125 | HR-G3125 | HR-G4125 | HR-G5125 |
| 100 mm (4") | HR-G12126 | HR-G1126 | HR-G2126 | HR-G3126 | HR-G4126 | HR-G5126 |
| 90 mm (3 ½") | HR-G12127 | HR-G1127 | HR-G2127 | HR-G3127 | HR-G4127 | HR-G5127 |
| 80 mm | HR-G12128 | HR-G1128 | HR-G2128 | HR-G3128 | HR-G4128 | HR-G5128 |
| 75 mm (3") | HR-G12129 | HR-G1129 | HR-G2129 | HR-G3129 | HR-G4129 | HR-G5129 |
| 63 mm (2 ½") | HR-G12130 | HR-G1130 | HR-G2130 | HR-G3130 | HR-G4130 | HR-G5130 |
| 56 mm | HR-G12131 | HR-G1131 | HR-G2131 | HR-G3131 | HR-G4131 | HR-G5131 |
| 53 mm (2.12") | HR-G12132 | HR-G1132 | HR-G2132 | HR-G3132 | HR-G4132 | HR-G5132 |
| 50 mm (2") | HR-G12133 | HR-G1133 | HR-G2133 | HR-G3133 | HR-G4133 | HR-G5133 |
| 45 mm (1 ¾") | HR-G12134 | HR-G1134 | HR-G2134 | HR-G3134 | HR-G4134 | HR-G5134 |
| 40 mm | HR-G12135 | HR-G1135 | HR-G2135 | HR-G3135 | HR-G4135 | HR-G5135 |
| 37.5 mm (1-½") | HR-G12136 | HR-G1136 | HR-G2136 | HR-G3136 | HR-G4136 | HR-G5136 |
| 31.5 mm (1 ¼") | HR-G12137 | HR-G1137 | HR-G2137 | HR-G3137 | HR-G4137 | HR-G5137 |
| 26.5 mm (1.06") | HR-G12138 | HR-G1138 | HR-G2138 | HR-G3138 | HR-G4138 | HR-G5138 |
| 25 mm (1") | HR-G12139 | HR-G1139 | HR-G2139 | HR-G3139 | HR-G4139 | HR-G5139 |
| 22.4 mm (7/8") | HR-G12140 | HR-G1140 | HR-G2140 | HR-G3140 | HR-G4140 | HR-G5140 |
| 20 mm | HR-G12141 | HR-G1141 | HR-G2141 | HR-G3141 | HR-G4141 | HR-G5141 |
| 19 mm (¾") | HR-G12142 | HR-G1142 | HR-G2142 | HR-G3142 | HR-G4142 | HR-G5142 |
| 16 mm (5/8") | HR-G12143 | HR-G1143 | HR-G2143 | HR-G3143 | HR-G4143 | HR-G5143 |
| 14 mm | HR-G12144 | HR-G1144 | HR-G2144 | HR-G3144 | HR-G4144 | HR-G5144 |
| 13.2 mm (.530") | HR-G12145 | HR-G1145 | HR-G2145 | HR-G3145 | HR-G4145 | HR-G5145 |
| 12.5 mm (½") | HR-G12146 | HR-G1146 | HR-G2146 | HR-G3146 | HR-G4146 | HR-G5146 |
| 11.2 mm (7/16") | HR-G12147 | HR-G1147 | HR-G2147 | HR-G3147 | HR-G4147 | HR-G5147 |
| 10 mm | HR-G12148 | HR-G1148 | HR-G2148 | HR-G3148 | HR-G4148 | HR-G5148 |
| 9.5 mm (3/8") | HR-G12149 | HR-G1149 | HR-G2149 | HR-G3149 | HR-G4149 | HR-G5149 |
| 8 mm (5/16") | HR-G12150 | HR-G1150 | HR-G2150 | HR-G3150 | HR-G4150 | HR-G5150 |
| 6.7 mm (.265") | HR-G12151 | HR-G1151 | HR-G2151 | HR-G3151 | HR-G4151 | HR-G5151 |
| 6.3 mm (¼") | HR-G12152 | HR-G1152 | HR-G2152 | HR-G3152 | HR-G4152 | HR-G5152 |
| 5.6 mm (No. 3 ½) | HR-G12153 | HR-G1153 | HR-G2153 | HR-G3153 | HR-G4153 | HR-G5153 |
| 5 mm | HR-G12154 | HR-G1154 | HR-G2154 | HR-G3154 | HR-G4154 | HR-G5154 |
| 4.75 mm (No.4) | HR-G12155 | HR-G1155 | HR-G2155 | HR-G3155 | HR-G4155 | HR-G5155 |
| 4 mm (No.5) | HR-G12156 | HR-G1156 | HR-G2156 | HR-G3156 | HR-G4156 | HR-G5156 |
| 3.35 mm (No. 6) | HR-G12157 | HR-G1157 | HR-G2157 | HR-G3157 | HR-G4157 | HR-G5157 |
| 3.15 mm | HR-G12158 | HR-G1158 | HR-G2158 | HR-G3158 | HR-G4158 | HR-G5158 |
| 2.8 mm (No. 7) | HR-G12159 | HR-G1159 | HR-G2159 | HR-G3159 | HR-G4159 | HR-G5159 |
| 2.5 mm | HR-G12160 | HR-G1160 | HR-G2160 | HR-G3160 | HR-G4160 | HR-G5160 |
| 2.36 mm (No.8) | HR-G12161 | HR-G1161 | HR-G2161 | HR-G3161 | HR-G4161 | HR-G5161 |
| 2 mm (No.10) | HR-G12162 | HR-G1162 | HR-G2162 | HR-G3162 | HR-G4162 | HR-G5162 |
| 1.7 mm (No. 12) | HR-G12163 | HR-G1163 | HR-G2163 | HR-G3163 | HR-G4163 | HR-G5163 |
| 1.6 mm | HR-G12164 | HR-G1164 | HR-G2164 | HR-G3164 | HR-G4164 | HR-G5164 |
| 1.4 mm (No. 14) | HR-G12165 | HR-G1165 | HR-G2165 | HR-G3165 | HR-G4165 | HR-G5165 |
| 1.25 mm | HR-G12166 | HR-G1166 | HR-G2166 | HR-G3166 | HR-G4166 | HR-G5166 |
| 1.18 mm (No.16) | HR-G12167 | HR-G1167 | HR-G2167 | HR-G3167 | HR-G4167 | HR-G5167 |
| 1 mm (No. 18) | HR-G12168 | HR-G1168 | HR-G2168 | HR-G3168 | HR-G4168 | HR-G5168 |
| 850 µm (No. 20) | HR-G12169 | HR-G1169 | HR-G2169 | HR-G3169 | HR-G4169 | HR-G5169 |
| 800 µm | HR-G12170 | HR-G1170 | HR-G2170 | HR-G3170 | HR-G4170 | HR-G5170 |
| 710 µm (No. 25) | HR-G12171 | HR-G1171 | HR-G2171 | HR-G3171 | HR-G4171 | HR-G5171 |
| 630 µm | HR-G12172 | HR-G1172 | HR-G2172 | HR-G3172 | HR-G4172 | HR-G5172 |

HİRA TESTING EQUIPMENT



| Aperture Size | Frame Ø100 x 50 mm | Frame Ø150 x 50 mm | Frame Ø200 x 50 mm | Frame Ø300 x 75 mm | Frame Ø400 x 50 mm | Frame Ø450 x 50 mm |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 600 µm (No. 30) | HR-G12173 | HR-G1173 | HR-G2173 | HR-G3173 | HR-G4173 | HR-G5173 |
| 500 µm (No. 35) | HR-G12174 | HR-G1174 | HR-G2174 | HR-G3174 | HR-G4174 | HR-G5174 |
| 425 µm (No. 40) | HR-G12175 | HR-G1175 | HR-G2175 | HR-G3175 | HR-G4175 | HR-G5175 |
| 400 µm | HR-G12176 | HR-G1176 | HR-G2176 | HR-G3176 | HR-G4176 | HR-G5176 |
| 355 µm (No. 45) | HR-G12177 | HR-G1177 | HR-G2177 | HR-G3177 | HR-G4177 | HR-G5177 |
| 315 µm | HR-G12178 | HR-G1178 | HR-G2178 | HR-G3178 | HR-G4178 | HR-G5178 |
| 300 µm (No. 50) | HR-G12179 | HR-G1179 | HR-G2179 | HR-G3179 | HR-G4179 | HR-G5179 |
| 250 µm (No. 60) | HR-G12180 | HR-G1180 | HR-G2180 | HR-G3180 | HR-G4180 | HR-G5180 |
| 212 µm (No. 70) | HR-G12181 | HR-G1181 | HR-G2181 | HR-G3181 | HR-G4181 | HR-G5181 |
| 200 µm | HR-G12182 | HR-G1182 | HR-G2182 | HR-G3182 | HR-G4182 | HR-G5182 |
| 180 µm (No. 80) | HR-G12183 | HR-G1183 | HR-G2183 | HR-G3183 | HR-G4183 | HR-G5183 |
| 160 µm | HR-G12184 | HR-G1184 | HR-G2184 | HR-G3184 | HR-G4184 | HR-G5184 |
| 150 µm (No. 100) | HR-G12185 | HR-G1185 | HR-G2185 | HR-G3185 | HR-G4185 | HR-G5185 |
| 125 µm (No. 120) | HR-G12186 | HR-G1186 | HR-G2186 | HR-G3186 | HR-G4186 | HR-G5186 |
| 106 µm (No. 140) | HR-G12187 | HR-G1187 | HR-G2187 | HR-G3187 | HR-G4187 | HR-G5187 |
| 100 µm | HR-G12188 | HR-G1188 | HR-G2188 | HR-G3188 | HR-G4188 | HR-G5188 |
| 90 µm (No. 170) | HR-G12189 | HR-G1189 | HR-G2189 | HR-G3189 | HR-G4189 | HR-G5189 |
| 80 µm | HR-G12190 | HR-G1190 | HR-G2190 | HR-G3190 | HR-G4190 | HR-G5190 |
| 75 µm (No. 200) | HR-G12191 | HR-G1191 | HR-G2191 | HR-G3191 | HR-G4191 | HR-G5191 |
| 63 µm (No. 230) | HR-G12192 | HR-G1192 | HR-G2192 | HR-G3192 | HR-G4192 | HR-G5192 |
| 53 µm (No. 270) | HR-G12193 | HR-G1193 | HR-G2193 | HR-G3193 | HR-G4193 | HR-G5193 |
| 50 µm | HR-G12194 | HR-G1194 | HR-G2194 | HR-G3194 | HR-G4194 | HR-G5194 |
| 45 µm (No. 325) | HR-G12195 | HR-G1195 | HR-G2195 | HR-G3195 | HR-G4195 | HR-G5195 |
| 40 µm | HR-G12196 | HR-G1196 | HR-G2196 | HR-G3196 | HR-G4196 | HR-G5196 |
| 38 µm (No. 400) | HR-G12197 | HR-G1197 | HR-G2197 | HR-G3197 | HR-G4197 | HR-G5197 |
| 25 µm | HR-G12198 | HR-G1198 | HR-G2198 | HR-G3198 | HR-G4198 | HR-G5198 |
| LID | HR-G12199 | HR-G1199 | HR-G2199 | HR-G3199 | HR-G4199 | HR-G5199 |
| RECEIVER | HR-G12200 | HR-G1200 | HR-G2200 | HR-G3200 | HR-G4200 | HR-G5200 |
| LID & RECEIVER | HR-G12201 | HR-G1201 | HR-G2201 | HR-G3201 | HR-G4201 | HR-G5201 |



Ø200 x 50 mm Woven Wire Mesh Sieves

Table for the Woven Wire Mesh Sieves (Coarse) (ASTM E11)

| Aperture Size | Frame Ø 8" x 50 mm | Frame Ø 12" x 50 mm |
|------------------|-----------------------|------------------------|
| 100 mm (4") | HR-G9126 | HR-G10126 |
| 90 mm (3 ½") | HR-G9127 | HR-G10127 |
| 75 mm (3") | HR-G9129 | HR-G10129 |
| 63 mm (2 ½") | HR-G9130 | HR-G10130 |
| 53 mm (2.12") | HR-G9132 | HR-G10132 |
| 50 mm (2") | HR-G9133 | HR-G10133 |
| 45 mm (1 ¾") | HR-G9134 | HR-G10134 |
| 37.5 mm (1-½") | HR-G9136 | HR-G10136 |
| 31.5 mm (1 ¼") | HR-G9137 | HR-G10137 |
| 26.5 mm (1.06") | HR-G9138 | HR-G10138 |
| 25 mm (1") | HR-G9139 | HR-G10139 |
| 22.4 mm (7/8") | HR-G9140 | HR-G10140 |
| 19 mm (¾") | HR-G9142 | HR-G10142 |
| 16 mm (5/8") | HR-G9143 | HR-G10143 |
| 13.2 mm (.530") | HR-G9145 | HR-G10145 |
| 12.5 mm (½") | HR-G9146 | HR-G10146 |
| 11.2 mm (7/16") | HR-G9147 | HR-G10147 |
| 9.5 mm (3/8") | HR-G9149 | HR-G10149 |
| 8 mm (5/16") | HR-G9150 | HR-G10150 |
| 6.7 mm (.265") | HR-G9151 | HR-G10151 |
| 6.3 mm (¼") | HR-G9152 | HR-G10152 |
| 5.6 mm (No. 3 ½) | HR-G9153 | HR-G10153 |
| 4.75 mm (No.4) | HR-G9155 | HR-G10155 |
| 4 mm (No.5) | HR-G9156 | HR-G10156 |
| LID | HR-G9199 | HR-G10199 |
| RECEIVER | HR-G9200 | HR-G10200 |
| LID & RECEIVER | HR-G9201 | HR-G10201 |

Table for the Woven Wire Mesh Sieves (Fine) (ASTM E11)

| Aperture Size | Frame Ø 8" x 50 mm | Frame Ø 12" x 50 mm |
|------------------|-----------------------|------------------------|
| 3.35 mm (No. 6) | HR-G9157 | HR-G10157 |
| 2.8 mm (No. 7) | HR-G9159 | HR-G10159 |
| 2.36 mm (No.8) | HR-G9161 | HR-G10161 |
| 2 mm (No.10) | HR-G9162 | HR-G10162 |
| 1.7 mm (No. 12) | HR-G9163 | HR-G10163 |
| 1.4 mm (No. 14) | HR-G9165 | HR-G10165 |
| 1.18 mm (No.16) | HR-G9167 | HR-G10167 |
| 1 mm (No. 18) | HR-G9168 | HR-G10168 |
| 850 µm (No. 20) | HR-G9169 | HR-G10169 |
| 710 µm (No. 25) | HR-G9171 | HR-G10171 |
| 600 µm (No. 30) | HR-G9173 | HR-G10173 |
| 500 µm (No. 35) | HR-G9174 | HR-G10174 |
| 425 µm (No. 40) | HR-G9175 | HR-G10175 |
| 355 µm (No. 45) | HR-G9177 | HR-G10177 |
| 300 µm (No. 50) | HR-G9179 | HR-G10179 |
| 250 µm (No. 60) | HR-G9180 | HR-G10180 |
| 212 µm (No. 70) | HR-G9181 | HR-G10181 |
| 180 µm (No. 80) | HR-G9183 | HR-G10183 |
| 150 µm (No. 100) | HR-G9185 | HR-G10185 |
| 125 µm (No. 120) | HR-G9186 | HR-G10186 |
| 106 µm (No. 140) | HR-G9187 | HR-G10187 |
| 90 µm (No. 170) | HR-G9189 | HR-G10189 |
| 75 µm (No. 200) | HR-G9191 | HR-G10191 |
| 63 µm (No. 230) | HR-G9192 | HR-G10192 |
| 53 µm (No. 270) | HR-G9193 | HR-G10193 |
| 45 µm (No. 325) | HR-G9195 | HR-G10195 |
| 40 µm | HR-G9196 | HR-G10196 |
| 38 µm (No. 400) | HR-G9197 | HR-G10197 |
| LID | HR-G9199 | HR-G10199 |
| RECEIVER | HR-G9200 | HR-G10200 |
| LID & RECEIVER | HR-G9201 | HR-G10201 |



Ø300 x 50 mm Woven Wire Mesh Sieves



HR-G2201



HR-G3201

Table for the Perforated Plate Sieves (ISO 3310-2)

| Aperture Size | Frame Ø200x 50mm | Frame Ø300 x 75mm |
|-----------------|---------------------|----------------------|
| 125 mm | HR-G16125 | HR-G17125 |
| 100 mm (4") | HR-G16126 | HR-G17126 |
| 90 mm (3 ½") | HR-G16127 | HR-G17127 |
| 80 mm | HR-G16128 | HR-G17128 |
| 75 mm (3") | HR-G16129 | HR-G17129 |
| 63 mm (2 ½") | HR-G16130 | HR-G17130 |
| 56 mm | HR-G16131 | HR-G17131 |
| 53 mm (2.12") | HR-G16132 | HR-G17132 |
| 50 mm (2") | HR-G16133 | HR-G17133 |
| 45 mm (1 ¾") | HR-G16134 | HR-G17134 |
| 40 mm | HR-G16135 | HR-G17135 |
| 37.5 mm (1-½") | HR-G16136 | HR-G17136 |
| 31.5 mm (1 ¼") | HR-G16137 | HR-G17137 |
| 26.5 mm (1.06") | HR-G16138 | HR-G17138 |
| 25 mm (1") | HR-G16139 | HR-G17139 |
| 22.4 mm (7/8") | HR-G16140 | HR-G17140 |
| 20 mm | HR-G16141 | HR-G17141 |
| 19 mm (¾") | HR-G16142 | HR-G17142 |

| Aperture Size | Frame Ø200 x 50mm | Frame Ø300 x 75mm |
|------------------|----------------------|----------------------|
| 16 mm (5/8") | HR-G16143 | HR-G17143 |
| 14 mm | HR-G16144 | HR-G17144 |
| 13.2 mm (.530") | HR-G16145 | HR-G17145 |
| 12.5 mm (½") | HR-G16146 | HR-G17146 |
| 11.2 mm (7/16") | HR-G16147 | HR-G17147 |
| 10 mm | HR-G16148 | HR-G17148 |
| 9.5 mm (3/8") | HR-G16149 | HR-G17149 |
| 8 mm (5/16") | HR-G16150 | HR-G17150 |
| 6.7 mm (.265") | HR-G16151 | HR-G17151 |
| 6.3 mm (¼") | HR-G16152 | HR-G17152 |
| 5.6 mm (No. 3 ½) | HR-G16153 | HR-G17153 |
| 5 mm | HR-G16154 | HR-G17154 |
| 4.75 mm (No.4) | HR-G16155 | HR-G17155 |
| 4 mm (No.5) | HR-G16156 | HR-G17156 |
| LID | HR-G16199 | HR-G17199 |
| RECEIVER | HR-G16200 | HR-G17200 |
| LID & RECEIVER | HR-G16201 | HR-G17201 |

