

List of available test samples.

For metal detectors and X-ray detectors.

With certificate of conformity.

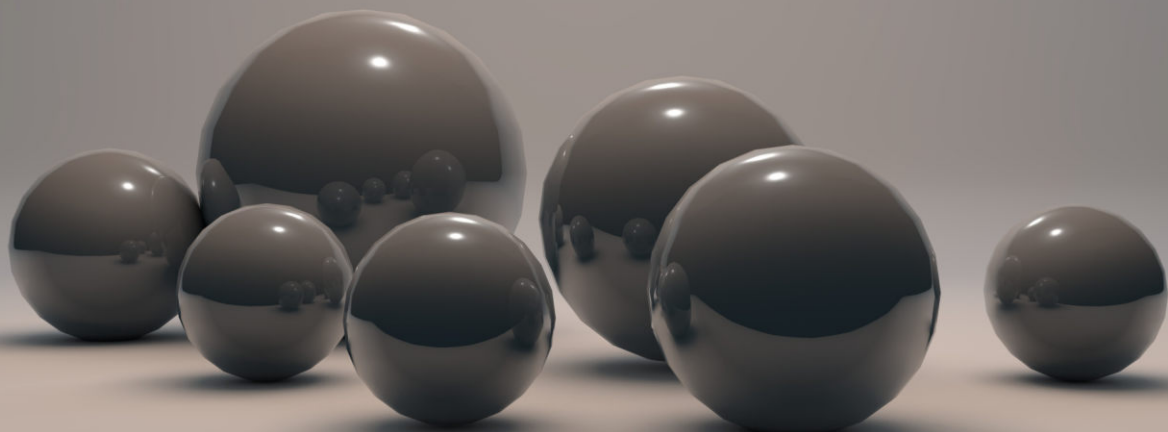


List of Available Test Samples

On the following pages you will find all available test samples that can be embedded in our test pieces for metal detectors and X-ray detectors. Both balls and wires made of different materials are available to choose from.

All samples are manufactured according to international manufacturing standards (ISO 3290 International / DIN 5401 – 11.1993 / AFBMA 10.1989). The properties are documented with a manufacturer's certificate and linked to a calibration number CERT (batch number).

With the delivery of test pieces or samples, you will receive certificates according to DIN EN 10204 (2005) / declarations of compliance according to 2.1.



TEST SAMPLES



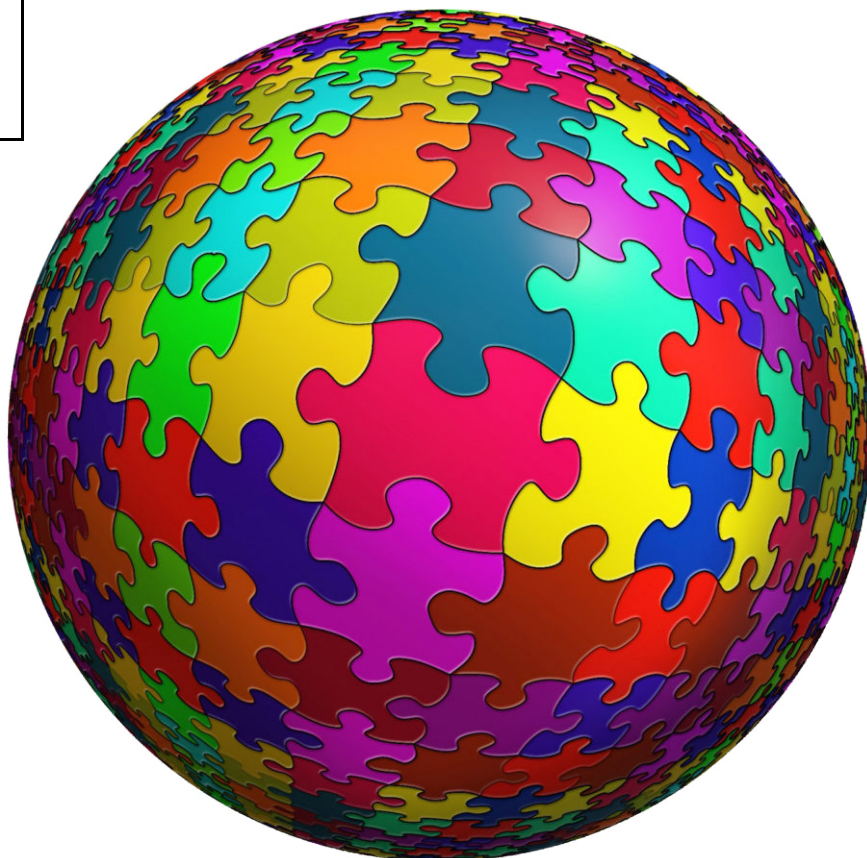
Ferrous 1.3505 AISI 52100	Non-Ferrous Brass CuZn35	Copper Cu		Phosphor bronze PB104	Aluminium Al	Titanium Ti
Density (typical): 7,833 g/cm ³	Density (typical): 8,415 g/cm ³	Density (typical): 8,96 g/cm ³		Density (typical): 8,4 g/cm ³	Density (typical): 2,81 g/cm ³	Density (typical): 4,43 g/cm ³
Sphere	Sphere	Sphere	Wire	Sphere	Sphere	Sphere
Ø 0.25 mm	Ø 0.3 mm	Ø 0.3 mm	Ø 0.2 x 2 mm	Ø 1.5 mm	Ø 0.8 mm	Ø 1.5 mm
Ø 0.3 mm	Ø 0.35 mm	Ø 0.5 mm	Ø 0.31 x 2 mm	Ø 1.6 mm	Ø 0.9 mm	Ø 2.5 mm
Ø 0.4 mm	Ø 0.4 mm	Ø 1.0 mm	Ø 0.4 x 2 mm	Ø 2.0 mm	Ø 1.0 mm	Ø 3.0 mm
Ø 0.5 mm	Ø 0.5 mm	Ø 1.2 mm	Ø 0.5 x 2 mm	Ø 2.5 mm	Ø 1.1 mm	
Ø 0.6 mm	Ø 0.6 mm	Ø 1.5 mm	Ø 0.63 x 2 mm	Ø 3.0 mm	Ø 1.2 mm	
Ø 0.7 mm	Ø 0.7 mm	Ø 2.0 mm	Ø 0.71 x 2 mm	Ø 4.0 mm	Ø 1.3 mm	
Ø 0.8 mm	Ø 0.8 mm		Ø 0.8 x 2 mm		Ø 1.4 mm	
Ø 0.9 mm	Ø 0.9 mm		Ø 0.9 x 2 mm		Ø 1.5 mm	
Ø 1.0 mm	Ø 1.0 mm		Ø 1.0 x 2 mm		Ø 1.588 mm	
Ø 1.1 mm	Ø 1.1 mm		Ø 0.2 x 5 mm		Ø 1.6 mm	
Ø 1.2 mm	Ø 1.2 mm		Ø 0.31 x 5 mm		Ø 1.7 mm	
Ø 1.3 mm	Ø 1.3 mm		Ø 0.4 x 5 mm		Ø 1.8 mm	
Ø 1.4 mm	Ø 1.4 mm		Ø 0.5 x 5 mm		Ø 1.9 mm	
Ø 1.5 mm	Ø 1.5 mm		Ø 0.63 x 5 mm		Ø 2.0 mm	
Ø 1.588 mm	Ø 1.6 mm		Ø 0.71 x 5 mm		Ø 2.5 mm	
Ø 1.6 mm	Ø 1.7 mm		Ø 0.8 x 5 mm		Ø 3.0 mm	
Ø 1.7 mm	Ø 1.75 mm		Ø 0.9 x 5 mm		Ø 3.175 mm	
Ø 1.75 mm	Ø 1.8 mm		Ø 1.0 x 5 mm		Ø 3.5 mm	
Ø 1.8 mm	Ø 1.9 mm		Ø 0.2 x 10 mm		Ø 4.0 mm	
Ø 1.9 mm	Ø 2.0 mm		Ø 0.31 x 10 mm		Ø 4.5 mm	
Ø 2.0 mm	Ø 2.2 mm		Ø 0.4 x 10 mm		Ø 5.0 mm	
Ø 2.2 mm	Ø 2.2 mm		Ø 0.5 x 10 mm		Ø 5.5 mm	
Ø 2.3 mm	Ø 2.381 mm		Ø 0.63 x 10 mm		Ø 6.0 mm	
Ø 2.4 mm	Ø 2.4 mm		Ø 0.71 x 10 mm		Ø 6.35 mm	
Ø 2.5 mm	Ø 2.5 mm		Ø 0.8 x 10 mm		Ø 7.0 mm	
Ø 2.7 mm	Ø 2.7 mm		Ø 0.9 x 10 mm		Ø 8.0 mm	
Ø 2.77 mm	Ø 2.8 mm		Ø 1.0 x 10 mm		Ø 10.4 mm	
Ø 2.8 mm	Ø 3.0 mm		Ø 0.2 x 20 mm			
Ø 3.0 mm	Ø 3.175 mm		Ø 0.31 x 20 mm			
Ø 3.2 mm	Ø 3.2 mm		Ø 0.4 x 20 mm			
Ø 3.25 mm	Ø 3.5 mm		Ø 0.5 x 20 mm			
Ø 3.5 mm	Ø 3.8 mm		Ø 0.63 x 20 mm			
Ø 3.8 mm	Ø 4.0 mm		Ø 0.71 x 20 mm			
Ø 4.0 mm	Ø 4.5 mm		Ø 0.8 x 20 mm			
Ø 4.5 mm	Ø 5.0 mm		Ø 0.9 x 20 mm			
Ø 5.0 mm	Ø 5.5 mm		Ø 1.0 x 20 mm			
Ø 5.5 mm	Ø 6.0 mm					
Ø 6.0 mm	Ø 6.35 mm					
Ø 6.35 mm	Ø 6.5 mm					
Ø 6.5 mm	Ø 7.0 mm					
Ø 7.0 mm	Ø 7.5 mm					
Ø 7.5 mm	Ø 8.0 mm					
Ø 8.0 mm	Ø 8.5 mm					
Ø 8.5 mm	Ø 9.0 mm					
Ø 9.0 mm	Ø 9.5 mm					
Ø 9.5 mm	Ø 9.525 mm					
Ø 10.0 mm	Ø 10.0 mm					
Ø 10.5 mm	Ø 11.11 mm					
Ø 11.0 mm	Ø 12.0 mm					
Ø 12.0 mm	Ø 12.7 mm					
Ø 13.0 mm	Ø 14.0 mm					
Ø 14.0 mm	Ø 15.0 mm					
Ø 15.0 mm	Ø 15.875 mm					
Ø 16.0 mm	Ø 18.0 mm					
Ø 17.0 mm	Ø 20.0 mm					
Ø 20.0 mm	Ø 25.4 mm					
Ø 25.0 mm						



TEST SAMPLES



Stainless steel 1.4401 AISI 316		Stainless steel 1.4301 AISI 304		Stainless steel 1.4125 AISI 440C	Stainless steel 1.4034 AISI 420C	Lead Pb
Density (typical): 8,027 g/cm³		Density (typical): 7,916 g/cm³		Density (typical): 7,75 g/cm³	Density (typical): 7,75 g/cm³	Density (typical): 11,3 g/cm³
Sphere	Wire	Sphere	Wire	Sphere	Sphere	Sphere
Ø 0.3 mm	Ø 0.2 x 2 mm	Ø 0.5 mm	Ø 0.4 x 2 mm	Ø 0.5 mm	Ø 1.5 mm Ø 3.0 mm	Ø 1.0 mm
Ø 0.35 mm	Ø 0.31 x 2 mm	Ø 0.6 mm	Ø 0.5 x 2 mm	Ø 0.6 mm		Ø 2.0 mm
Ø 0.4 mm	Ø 0.4 x 2 mm	Ø 0.8 mm	Ø 0.6 x 2 mm	Ø 0.8 mm	Ø 1.0 mm Ø 1.2 mm Ø 1.5 mm Ø 1.8 mm Ø 2.0 mm Ø 2.5 mm Ø 3.0 mm Ø 3.5 mm Ø 4.0 mm Ø 4.5 mm	Ø 3.1 mm
Ø 0.5 mm	Ø 0.5 x 2 mm	Ø 1.0 mm	Ø 0.71 x 2 mm	Ø 1.0 mm		
Ø 0.6 mm	Ø 0.63 x 2 mm	Ø 1.2 mm	Ø 0.9 x 2 mm	Ø 1.2 mm		
Ø 0.7 mm	Ø 0.71 x 2 mm	Ø 1.3 mm	Ø 1.0 x 2 mm	Ø 1.5 mm		
Ø 0.8 mm	Ø 0.8 x 2 mm	Ø 1.5 mm	Ø 0.4 x 5 mm	Ø 1.8 mm		
Ø 0.9 mm	Ø 0.9 x 2 mm	Ø 1.588 mm	Ø 0.5 x 5 mm	Ø 2.0 mm		
Ø 1.0 mm	Ø 1.0 x 2 mm	Ø 1.8 mm	Ø 0.6 x 5 mm	Ø 2.5 mm		
Ø 1.1 mm	Ø 0.2 x 5 mm	Ø 2.0 mm	Ø 0.71 x 5 mm	Ø 3.0 mm		
Ø 1.2 mm	Ø 0.31 x 5 mm	Ø 2.5 mm	Ø 0.9 x 5 mm	Ø 3.5 mm		
Ø 1.3 mm	Ø 0.4 x 5 mm	Ø 2.8 mm	Ø 1.0 x 5 mm	Ø 4.0 mm		
Ø 1.4 mm	Ø 0.5 x 5 mm	Ø 3.0 mm	Ø 0.4 x 10 mm	Ø 4.5 mm		
Ø 1.5 mm	Ø 0.63 x 5 mm	Ø 3.5 mm	Ø 0.5 x 10 mm	Ø 5.0 mm		
Ø 1.6 mm	Ø 0.71 x 5 mm	Ø 4.0 mm	Ø 0.6 x 10 mm	Ø 6.0 mm		
Ø 1.8 mm	Ø 0.8 x 5 mm	Ø 4.5 mm	Ø 0.71 x 10 mm	Ø 8.0 mm		
Ø 1.9 mm	Ø 0.9 x 5 mm	Ø 5.0 mm	Ø 0.9 x 10 mm	Ø 8.5 mm		
Ø 2.0 mm	Ø 1.0 x 5 mm	Ø 5.5 mm	Ø 1.0 x 10 mm	Ø 10.0 mm		
Ø 2.2 mm	Ø 0.2 x 10 mm	Ø 6.0 mm	Ø 0.4 x 20 mm			
Ø 2.3 mm	Ø 0.31 x 10 mm	Ø 6.5 mm	Ø 0.5 x 20 mm			
Ø 2.4 mm	Ø 0.4 x 10 mm	Ø 7.0 mm	Ø 0.6 x 20 mm			
Ø 2.5 mm	Ø 0.5 x 10 mm	Ø 7.5 mm	Ø 0.71 x 20 mm			
Ø 2.8 mm	Ø 0.63 x 10 mm	Ø 8.0 mm	Ø 0.9 x 20 mm			
Ø 3.0 mm	Ø 0.71 x 10 mm	Ø 8.5 mm	Ø 1.0 x 20 mm			
Ø 3.2 mm	Ø 0.8 x 10 mm	Ø 9.0 mm				
Ø 3.5 mm	Ø 0.9 x 10 mm	Ø 9.5 mm				
Ø 4.0 mm	Ø 1.0 x 10 mm	Ø 10.0 mm				
Ø 4.5 mm	Ø 0.2 x 20 mm	Ø 10.319 mm				
Ø 4.77 mm	Ø 0.31 x 20 mm	Ø 11.0 mm				
Ø 5.0 mm	Ø 0.4 x 20 mm	Ø 12.0 mm				
Ø 5.5 mm	Ø 0.5 x 20 mm	Ø 15.0 mm				
Ø 6.0 mm	Ø 0.63 x 20 mm	Ø 20.0 mm				
Ø 6.35 mm	Ø 0.71 x 20 mm					
Ø 6.5 mm	Ø 0.8 x 20 mm					
Ø 7.0 mm	Ø 0.9 x 20 mm					
Ø 7.5 mm	Ø 1.0 x 20 mm					
Ø 7.94 mm						
Ø 8.0 mm						
Ø 8.5 mm						
Ø 9.0 mm						
Ø 9.5 mm						
Ø 10.0 mm						
Ø 11.0 mm						
Ø 12.0 mm						
Ø 13.0 mm						
Ø 14.0 mm						
Ø 15.0 mm						
Ø 16.0 mm						
Ø 20.0 mm						
Ø 25.0 mm						
Ø 30.0 mm						



Soda-lime glass (SLG)	Fused quartz (Fused silica)	Crystal glass	Borosilicate glass	Zirconia (Fianit)
Density (typical): 2,58 g/cm³	Density (typical): 2,2 g/cm³	Density (typical): 3,2 g/cm³	Density (typical): 2,23 g/cm³	Density (typical): 6,05 g/cm³
Sphere	Sphere	Sphere	Sphere	Sphere
Ø 0.8 mm Ø 1.0 mm Ø 1.2 mm Ø 1.5 mm Ø 1.8 mm Ø 2.0 mm Ø 2.5 mm Ø 3.0 mm Ø 3.5 mm Ø 4.0 mm Ø 4.5 mm Ø 5.0 mm Ø 6.0 mm Ø 6.35 mm Ø 7.0 mm Ø 8.0 mm Ø 10.0 mm Ø 12.0 mm Ø 14.0 mm	Ø 1.0 mm Ø 2.0 mm Ø 3.0 mm Ø 4.0 mm Ø 5.0 mm Ø 6.0 mm Ø 7.0 mm	Ø 2.0 mm Ø 3.0 mm Ø 3.5 mm Ø 4.0 mm Ø 4.5 mm Ø 5.0 mm Ø 6.0 mm Ø 8.0 mm	Ø 1.0 mm Ø 2.0 mm Ø 3.0 mm Ø 4.0 mm Ø 5.0 mm Ø 6.0 mm	Ø 1.0 mm Ø 1.5 mm Ø 2.0 mm Ø 2.5 mm Ø 3.0 mm Ø 4.0 mm Ø 5.0 mm Ø 6.0 mm Ø 7.0 mm Ø 7.94 mm Ø 10.0 mm

Ceramic (Al2O3)	PTFE (Teflon®)	PA (Polyamide, Nylon)	POM (Acetal)	AB (Nitrile rubber)
Density (typical): 3,94 g/cm³	Density (typical): 2,1 ... 2,3 g/cm³	Density (typical): 1,13 ... 1,15 g/cm³	Density (typical): 1,41 g/cm³	Density (typical): 1,36 g/cm³
Sphere	Sphere	Sphere	Sphere	Sphere
Ø 1.0 mm Ø 1.5 mm Ø 2.0 mm Ø 2.5 mm Ø 3.0 mm Ø 3.5 mm Ø 4.0 mm Ø 4.5 mm Ø 5.0 mm Ø 5.56 mm Ø 6.0 mm Ø 6.35 mm Ø 7.0 mm Ø 7.5 mm Ø 8.0 mm Ø 8.5 mm Ø 9.0 mm Ø 10.0 mm Ø 12.0 mm	Ø 1.588 mm Ø 2.0 mm Ø 2.5 mm Ø 3.0 mm Ø 3.18 mm Ø 4.0 mm Ø 4.672 mm Ø 5.0 mm Ø 5.556 mm Ø 6.0 mm Ø 7.0 mm Ø 8.0 mm Ø 9.525 mm Ø 10.0 mm Ø 12.0 mm	Ø 2.0 mm Ø 3.0 mm Ø 4.0 mm Ø 5.0 mm Ø 6.0 mm	Ø 1.0 mm Ø 2.0 mm Ø 3.0 mm Ø 4.0 mm Ø 5.0 mm Ø 6.0 mm Ø 7.0 mm Ø 8.0 mm Ø 10.0 mm Ø 12.0 mm	Ø 2.381 mm Ø 3.175 mm Ø 3.969 mm Ø 4.762 mm Ø 6.35 mm Ø 7.94 mm Ø 9.525 mm Ø 12.7 mm



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