



**Aluminum 15 ml Sleeve GLB-15A-FA**

Sleeve bore ( $\Phi \times L$ , mm) : 18 x 90  
 Radius(mm) : 138/155  
 Max. RPM : 4,000  
 Max.RCF(g-force) : 2,469/2,773

**Angle Rotor,  
 GRA-SR-15-24**

24 x 15 ml  
 $\angle 45^\circ$   
 Hole diameter (mm) : 18  
 Max. height for tube fit (mm) : 125  
 (120 for conical tube)

Tube						
Tube capacity (ml)	3	4	5	10	15	15 ml conical
Adaptor				None	None	None
Cat. No.	GAS-3(15)	GAS-4(15)	GAS-5(15)	-	-	-
Adaptor bore ( $\Phi \times L$ , mm)	13.5 x 61	13.5 x 65	13.5 x 85	-	-	-
Radius (mm)	116.3/132.3	117.7/133.7	136.8/152.8	137.5/154.5	138/155	133/149
Max.RPM	4,000					
Max.RCF (g-force)	2,080/2,367	2,105/2,463	2,447/2,733	2,460/2,764	2,469/2,773	2,379/2,665



**Fixed Angle Rotor,  
 GRF-SR-m2.0-24**

24 x 1.5/2.0 ml  
 $\angle 45^\circ$   
 Hole diameter (mm) : 11.1  
 Max. height for tube fit (mm) : 52

Tube			
Tube capacity (ml)	0.2	0.5	1.5/2.0
Adaptor			None
Cat No.	GAS-m0.2(2)	GAS-m0.5(2)	-
Adaptor bore ( $\Phi \times L$ , mm)	6.5 x 23	8 x 31	-
Radius (mm)	67	73	84.3
Max.RPM	6,000		
Max.RCF (g-force)	2,697	2,938	3,393