COMBILIUM BSM 3

Model casting alloy CoCr basis

For combination work, spring hard
- optimum balance between strength and elasticity
- excellent flow characteristics, also for delicate constructions
- can be polished very well
- according to ISO 22674, free from beryllium and cadmium

Technical data	
Composition %	Co ~63 | Mo ~5 | Cr ~30 | C ~0.5 | Mn, Si, Fe 2
EN ISO 22674	Type 5
RP 0.2 [N/mm²]*	600
Tensile strength [N/mm²]*	> 830
Elongation [A5 %]*	> 5
Vickers hardness HV 10	> 350
E module [kN/mm²]*	230
Density [g/cm³]	8.3
Melting range [°C]	1210-1380
CTE (20-600 °C) [µ/K]	15
Supply form	cylinder

1 kg BSM 3 (REF 2191)

COMBILIUM BSM 4

Model casting alloy CoCr basis

For clasp dentures, super spring hard
- optimum balance between strength and elasticity
- excellent flow characteristics, also for delicate constructions
- can be polished very well
- suitable for laser welding
- according to ISO 22674, free from beryllium and cadmium

Technical data	
Composition %	Co ~63 | Mo ~6 | Cr ~29 | C ~0.25 | Mn, Si, Fe 2
EN ISO 22674	Type 5
RP 0.2 [N/mm²]*	550
Tensile strength [N/mm²]*	> 750
Elongation [A5 %]*	> 7
Vickers hardness HV 10	> 300
E module [kN/mm²]*	230
Density [g/cm³]	8.4
Melting range [°C]	1210-1380
CTE (20-600 °C) [µ/K]	16
Supply form	cylinder

1 kg BSM 4 (REF 2190)

COMBILIUM BSM 5

Model casting alloy CoCr basis

For combination works, extra hard
- extremely high hardness and stiffness
- optimum balance between strength and elasticity
- excellent flow characteristics, also for delicate constructions
- can be polished very well
- suitable for laser welding
- according to ISO 22674, free from beryllium and cadmium

Technical data	
Composition %	Co ~64 | Mo ~5 | Cr ~28.5 | C 0.35 | Mn, Si, Fe 2
EN ISO 22674	Type 5
RP 0,2 [N/mm²]*	600
Tensile strength [N/mm²]*	> 880
Elongation [A5 %]*	> 6.3
Vickers hardness HV 10	> 350
E module [kN/mm²]*	215
Density [g/cm³]	8.2
Melting range [°C]	1320-1350
CTE (20-600 °C) [µ/K]	15
Supply form	cylinder

1 kg BSM 5 (REF 2192)