Discover our range
– and your possibilities

Suzuki Garphyttan

SHAPE


Round


Flat

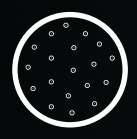

Trapezoidal


Shaped

MATERIAL


Stainless steel


Alloyed steel


Carbon steel

CONDITION


Annealed


Cold drawn

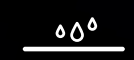

Cold rolled


Oil tempered


Quenched and tempered


Spheroidized

PROPERTY


Corrosion resistance


Heat resistance


High sag resistance


High tensile

Hydrogen resistance


Low magnetic

Nitridable


Very high fatigue

SURFACE


Soap coated


Bright


Black oxide

Alloyed steel wire

Our product range of alloyed steel wire includes high-strength steel wire in shapes, as well as super clean steels for superior fatigue and relaxation properties in clutch/transmission and valve spring applications. Each line is engineered to meet specific industry demands with unmatched reliability and performance.

Our range of alloyed steel wire
- Size ranges from 0.30 mm to 15.00 mm depending on the product.
- Conditions and properties according to customer specification.

GARBAFLEX CrSi70, CrSi75 and CrSi91 — EN 10270-2, EN 54SiCr6, EN 54SiCrV6 and ASTM A877 grade D

High strength CrSi steel for moderate temperatures and nitridable CrSiVMo steel for increased temperatures. Flat and shapes.

70 KD and 75 KD — EN 10270-2, EN TDSiCr, EN TDSiCrV

Especially intended for the manufacture of clutch and transmission springs and similar moderately high fatigue stressed springs.

OTEVA® 70 SC, 70 SC PLUS, 75 SC and 75 SC PLUS — EN 10270-2, EN VDSiCr EN VDSiCrV

OTEVA® 70 and 75 SC are Super Clean steels, intended for clutch/transmission springs with extremely high fatigue and relaxation properties. OTEVA® 70 and 75 SC PLUS are intended for manufacture of valve springs and other springs requiring extremely high fatigue and relaxation properties at increased working temperatures.

OTEVA® 90 SC, 90 SC PLUS, 91 SC, 91 SC PLUS, 96 SC and 96 SC PLUS — ASTM, A877, ASTM A877 grade C and D

OTEVA® 90 SC 91 SC and 96 SC are Super Clean nitridable steels intended for clutch/transmission springs with extremely high fatigue properties and relaxation properties at increased working temperatures. OTEVA® 90 SC PLUS, 91 SC PLUS and 96 SC PLUS are intended for valve springs and other springs requiring extremely high fatigue and relaxation properties at increased working temperatures.

OTEVA® 101 SC — EN 10270-2

OTEVA® 101 SC is a Super Clean nitridable steel, especially intended for clutch, transmission and other springs requiring high fatigue properties and good relaxation properties at increased working temperatures.

STATO 70 and STATO 75 — EN 10270-2, EN FDSiCr, EN FDSiCrV

STATO 70 and STATO 75 are especially intended for the manufacture of springs exposed to static or moderately high fatigue stresses. The materials have good relaxation properties.

SWOSC-V and SWOSC-VHV — JIS G 3561

Super Clean steels, especially intended for valve springs and other springs requiring high fatigue properties and good relaxation properties at moderately increased working temperature.

Stainless steel wire

Our stainless grades of steel wire are used in an infinite number of applications. We offer tensile strength, corrosion resistance, and surface treatment according to the customers' needs.

Our range of stainless steel wire
- Size ranges from 0.20 mm to 10.00 mm depending on the product.
- Soap coated or bright drawn (clean) surface finishes.
- Tensile strength and corrosion resistance according to customer specification.

GARBA 177 PH — EN 1.4568

Precipitation hardenable (PH) metastable austenitic stainless steel for medium cyclic fatigue and elevated temperature.

GARBA 177 Premium — EN 1.4568

Precipitation hardenable (PH) metastable austenitic stainless steel for high cyclic fatigue and elevated temperature, surface conditioned.

GARBA 177 Supreme — EN 1.4568

Remelted, Precipitation hardenable (PH) metastable austenitic stainless steel for very high cyclic fatigue resistance and elevated temperature, surface conditioned.

GARBA 188 — EN 1.4310

Austenitic stainless steel for general purpose.

GARBA 188L — EN 1.4301

Austenitic stainless steel with good formability and better corrosion resistance (compared to 188).

GARBA 178Mo — EN 1.4310

Austenitic stainless steel with higher tensile strength (compared to 188).

GARBA 1812Mo — EN 1.4401

Austenitic stainless steel with better corrosion resistance.

GARBA 2205 — EN 1.4462

Duplex (austenitic - ferritic) stainless steel for demanding applications in high corrosive atmosphere.

GARBAFLEX 11R51 — EN 1.4310

Austenitic stainless steel with good formability, higher tensile and better corrosion resistance (compared to 188). Flat and shapes.

GARBAFLEX 174Mn — EN 1.4371

Austenitic stainless steel. Flat and shapes.

GARBAFLEX 177 PH — EN 1.4568

Precipitation hardenable (PH) metastable austenitic stainless steel for medium cyclic fatigue and elevated temperature. Flat and shapes.

GARBAFLEX 188 — EN 1.4310

Austenitic stainless steel for general purpose. Flat and shapes.

GARBAFLEX 188L — EN 1.4301

Austenitic stainless steel with good formability and better corrosion resistance (compared to 188). Flat and shapes.

Carbon steel wire

Our carbon steel range includes wire for high ductility, wire with high tensile strength and cold drawn piano wires for dynamic and static loads or stresses. In addition, we deliver various other low, medium, and high carbon wires according to customer specification.

Our range of carbon steel wire
- Size ranges from 0.30 mm to 13.00 mm depending on the product.
- Conditions and properties according to customer specification.

GARBAFLEX 75 — EN 10270-1 / EN 10270-2

Carbon steel with high ductility. Suitable for small radius edge forming. Flat and Shapes.

GARBAFLEX 85 — EN 10270-1

High tensile carbon steel. Flat and shapes.

Cold drawn DM/DH — EN 10270-1 DM/DH

Piano wire for applications with medium to high dynamic stress.

Cold drawn SM/SH — EN 10270-1 SM/SH

Piano wire for applications with medium to high static loads.

Cold drawn SL — EN 10270-1 SL

For applications with low static stress.

Low carbon — EN ISO 16120

For applications with moderate requirements in fatigue and wear resistance.

Medium carbon — EN ISO 16120

For applications with moderate to high requirements in fatigue and wear resistance.

High carbon — EN ISO 16120

For applications with high requirements in fatigue and wear resistance.

Further details and complete technical data sheets to be found on our website.

suzuki-garphyttan.com