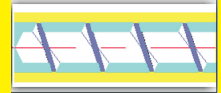


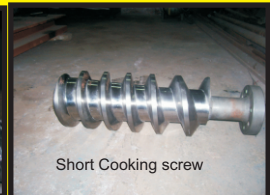
SCREWS & BARRELS (For Plastic & Food Extruders)

With our vast background and deep knowledge of our machines and also various other machines in the industry, we are well equipped to design and manufacture screws & barrels for Extrusion, Blow moulding, Injection moulding machines. We can manufacture as per your existing designs, drawings and, if need be, offer our own Computer designed, simulated and manufactured screws & barrels to solve all your problems!

Single screws:

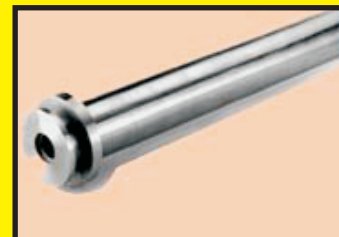


- Base material: 4140 stress relieved, heat treated. Flight OD hard faced with Stellite 6 or carbide coating. Alternative materials are Nitralloy steel gas nitrided, Stainless steel for corrossive compounds, food applications, etc.
- Single/Multiple flight design.
- Single/multiple vents.
- Dispersive/Distributive mixers.
- Barrier flights.
- Hollow core for water/oil circulation in the screw.
- Cavity Transfer mixers.
- Screw dia. From 16mm to 150mm in any L/D ratios as per suitability.
- High shear & low shear designs for food applications in solid or segmented design.



Single screw barrels:

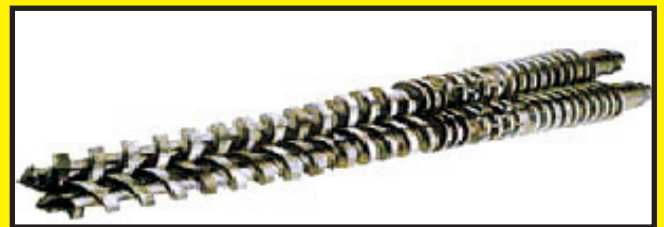
- Base material: D2 steel heat treated, Nitralloy steel gas nitrided, Hastalloy, etc.
- Flanges to suit.
- Plain or grooved Feed zone.
- Vent ports, gas injection ports, side feeder ports, etc.
- Thermocouple sensor holes, transducer holes, pressure gage, etc.
- Honed finish on interior surface.



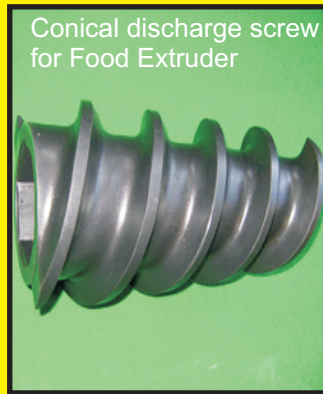
Twin screws & barrels:



- *Base material: 4140 steel stress relieved and hardened. Screw OD hard faced with Stellite 6 or tungsten carbide. Alternative materials are: Nitralloy steel gas nitrided, D2 steel, Stainless steel, etc.*
- *Screw elements in various geometries viz. Feedscrews, mixers, paddles, kneaders, SFEs, camel back screw, etc.*
- *Shafts for holding the screw elements.*
- *Solid barrels or section barrels. Round/Rectangular shells.*
- *Base material for barrels: D2 steel hardened, Nitralloy gas nitrided, Stainless steel, Hastalloy, etc.*
- *Feed ports, Injection ports, side feeding ports, vent ports, etc.*
- *Transducer hole, sensor hole, pressure gauge hole, etc.*
- *Flanges to suit.*
- *Honed finish on interior of barrel.*



Grooved Barrel Liner with cooling



Conical discharge screw for Food Extruder



Feed screw element



Shear Locks

Manufacturers:

MALIK ENGINEERS

Unit-1, Shailesh Ind. Estate-1, Navghar, Vasai(East)-401 210, M.S., India. Telefax: 91 250 2390839
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