

ANCHORAGE

PIPE SUPPORT FABRICATION

CHEAT SHEET

CONSIDERATION	PROBLEM	SUGGESTED MATERIAL(S)
LOAD & STRENGTH	WEIGHT CAPACITY	Carbon Steel, Stainless steel, Composite materials where suitable.
CORROSION	ENVIRONMENTAL & CHEMICAL DEGRADATION	Special coatings, Stainless or Duplex steels, design to reduce water or chemical ingress.
TEMPERATURE VARIATIONS	THERMAL EXPANSION	Incorporate restraints and/or sliding /guiding mechanism – PTFE, UHMWPE or other low friction material.
ENVIRONMENT	UV, TEMPERATURE, CONTENTS OF PIPING	Special Coatings, Composites or UV treated plastics. See also Corrosion and Temperature.
VIBRATION	PIPING FAILURE	Rubber Dampeners, restraints. Note that this is a specialised field and may require specialist advice.
HIGH TEMPERATURE	HEAT TRANSFER TO STRUCTURE OR PLANT AND / OR HEAT LOSS	Alloy Steels. Utilise insulation jacketing in supports. Incorporate safety features where necessary.
LOW TEMPERATURE CRYOGENIC	TEMPERATURE LOSS	Utilise insulation jacketing in supports.
COST	PROJECT VIABILITY, DESIGN & LIFESPAN	Dependent on application. Consult an Anchorage specialist.

ANCHORAGE GROUP

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