

# REMOTE VALVE ACTUATORS & EQUIPMENT

73 Remote Valve

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74 ElectroMagnetic Shielding

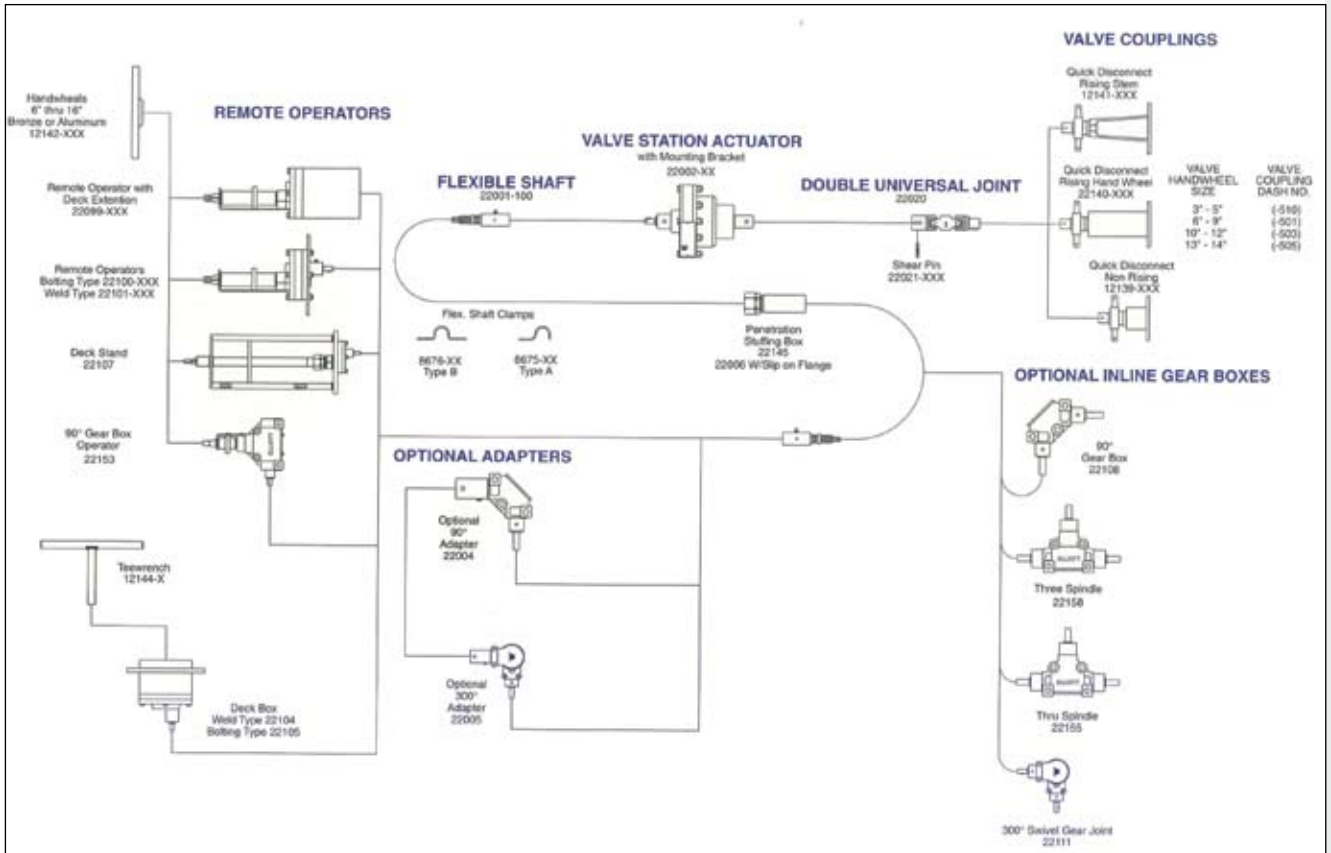
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74 Ball Bearing Control Cables

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## REMOTE VALVE OPERATING SYSTEMS



Available through Flexible Drive Agencies (FDA), Elliott (previously Stow) continues to be a leading name in remote valve control systems and with over 750 components available, this system is able to be truly customised to suit any application.

Elliott Remote Valve Actuators are made from highly corrosive resistant material such as brass, UV stabilised plastics and stainless steel, and once installed become fully sealed to keep out the harshest of marine environments. Components such as deck, gear and stuffing boxes are essentially maintenance free aside from routine greasing through installed nipples.

FDA combines in-house design and engineering capabilities with proven Elliott quality, making us capable of working with design engineers to survey re-fits or aid in recommending a new installation.



# BALL BEARING CONTROL CABLES

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## AEROCONTROLEX BALL BEARING CONTROL CABLES

The AeroControlex ball bearing control provides a highly efficient and accurate system which maximises load capability while minimising backlash. This control consists of three stainless steel blades, or races, separated by two rows of free-floating stainless steel balls positioned by stainless steel or Teflon ball guides.

This “stack” of races, balls and ball guides is radially supported by a flexible stainless steel casing. This casing may be sealed from the operating environment with a vinyl or other protective cover. During installation, the “slack” is allowed to helix within the casing enabling multiplane bending. This is an important feature for addressing complex routings through structures.

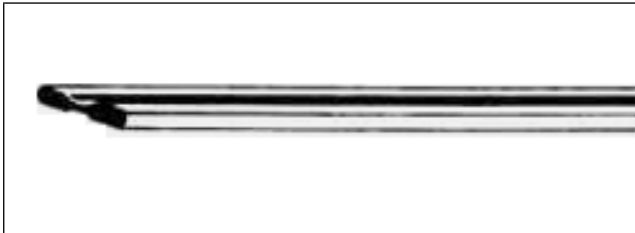


Figure 1: Stainless steel center race

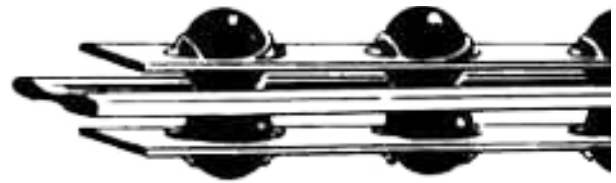


Figure 2: Race with stainless steel balls and stainless ball guides. (Teflon ball guides available)



Figure 3: Stainless steel outer race added



Figure 4: All enclosed in flexible stainless steel casing

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## ELLIOTT ELECTROMAGNETIC FLEXIBLE SHIELDING

The Elliott range of shielding products includes EMI, EMO, and RFI conduit, coupling devices and related hardware for military, aerospace and nuclear energy markets. Nickel-Iron alloys are used for EMP, low frequency magnetic environments, Corrosion Resistant Steel (CRES) alloys for stringent environment applications, and Brass alloys for the wide spectrum RFI/EMI environments.



Elliott electromagnetic products are integral components of any electronic cable assembly requiring protection from transient interference, pulse or unwanted frequencies as well as physical or environment damage. Elliott electromagnetic shielding is designed to meet and exceed military specifications.