





Home and Office Appliances

Care for an Aging Society



Location	Japan
Environment	Indoor
Grade/surface	SUS431J, SUS430
Manufacturer	Yazaki Kako Corporation
Material supplier	JFE Steel
Source of information	JSSA

In an era where societies are aging, the demand for materials and tools to provide care for the elderly is increasing. Basic tools such as handrails require more attention as the combined needs of extended life cycles and enhanced hygiene become primary considerations. Stainless steel has become a material of choice in this sector of the market, where it provides a combination of high strength, good corrosion resistance and good formability to manufacture long lasting products with hygienic, easy-to-clean, surfaces. The example shows a stainless steel stand manufactured from ferritic grades which are magnetic, with anti-slip magnetic mats which enable the users to take them off for easier maintenance. The mounts are made in two layers fastened with screws. For the upper part where higher corrosion resistance is required, grade SUS443J1 is used, and for the lower part, SUS430, which was a measure to reduce the costs.