



MATERIAL

Glass-fibre reinforced polypropylene based (PP) technopolymer, suitable for contact with acid or base liquids, RAL 7024 grey colour. Produced from FDA compliant raw material (FDA CFR.21 and EU 10/2011).

FEATURES AND APPLICATIONS

Polypropylene stems are particularly suitable for those sectors where they can be in contact with chemical agents and/or for frequent washing with acidic or basic detergent solutions, such as in the chemical, process, pharmaceutical, food, textile and paper industry.

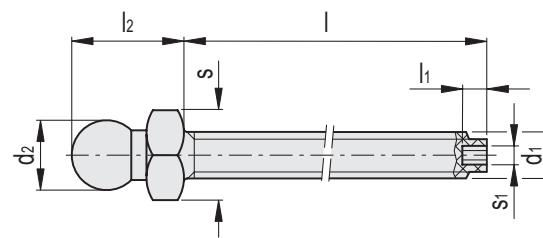
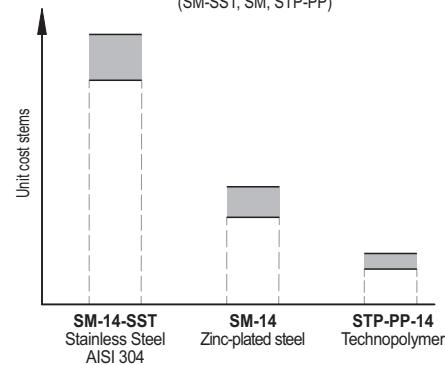
- Anti-rust.
- Resistance to chemical agents (see table).
- High mechanical resistance.
- Lightness: suitable for applications that require reduced weight.
- Cost-effective solution (see graph).



CHEMICAL AGENTS	SM-SST	SM	STP-PP
	Stainless steel AISI 304	Zinc-plated steel	Technopolymer
HYDROCARBONS, OILS AND FATS	●	●	●
WEAK BASES	●	●	●
SOLVENTS	●	△	□
WEAK ACIDS	△	△	●
CHLORIDE CONCENTRATES	△	△	●
GALVANIC CORROSION	△	△	●
STRONG ACIDS	△	△	●
STRONG BASES	△	△	●
AMMONIUM CHLORIDE	●	△	●
CALCIUM CHLORIDE 5%	●	△	●
SATURATED CALCIUM CHLORIDE	△	△	●
IRON CHLORIDE (III) 5-10%	△	△	●
POTASSIUM CHLORIDE 10%	●	△	●
SODIUM CHLORIDE 10%	●	△	●
ZINC CHLORIDE 10%	△	△	●

Suitable ● Not suitable △ Check specific case □

Indicative cost comparison of stems available in different materials (SM-SST, SM, STP-PP)



METRIC

Code	Description	I	I1	I2	d1	d2	s	s1	Max. limit static load [N]	Δ
317222	STP-PP-14-M10x44	44	6	21	M10	14	16	4	700	9.5
317226	STP-PP-14-M10x69	69	6	21	M10	14	16	4	700	12
317232	STP-PP-14-M10x99	99	6	21	M10	14	16	4	700	15
317322	STP-PP-14-M12x44	44	7	21	M12	14	16	5	1000	11
317326	STP-PP-14-M12x69	69	7	21	M12	14	16	5	1000	15
317332	STP-PP-14-M12x99	99	7	21	M12	14	16	5	1000	19.5