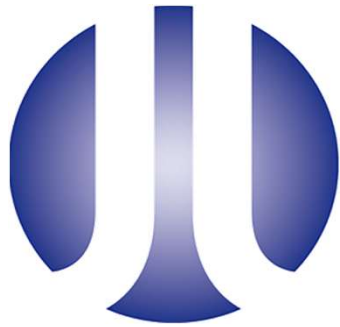


Brasswind

Parts • Tools



JL Smith

A N D C O M P A N Y



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Waterkey Pads

⇅4,6mm brown adhesive back

CHF
Net Price

S-700652	Ø 8,0mm.....	100 pieces	48.--
S-700654	Ø 8,5mm.....	100 pieces	48.--
S-700656	Ø 9,0mm.....	100 pieces	48.--
S-700658	Ø 9,5mm.....	100 pieces	48.--
S-700660	Ø 10,0mm.....	100 pieces	48.--
S-700662	Ø 10,5mm.....	100 pieces	48.--
S-700664	Ø 11,0mm.....	100 pieces	48.--
S-700666	Ø 11,5mm.....	100 pieces	48.--
S-700668	Ø 12,0mm.....	100 pieces	48.--



⇅3,4mm brown adhesive back

CHF
Net Price

S-700670	Ø 8,0mm.....	100 pieces	48.--
S-700672	Ø 8,5mm.....	100 pieces	48.--
S-700674	Ø 9,0mm.....	100 pieces	48.--
S-700676	Ø 9,5mm.....	100 pieces	48.--
S-700678	Ø 10,0mm.....	100 pieces	48.--
S-700680	Ø 10,5mm.....	100 pieces	48.--
S-700682	Ø 11,0mm.....	100 pieces	48.--
S-700684	Ø 11,5mm.....	100 pieces	48.--
S-700686	Ø 12,0mm.....	100 pieces	48.--



⇅4,6mm black adhesive back

CHF
Net Price

S-700700	Ø 8,0mm.....	100 pieces	48.--
S-700702	Ø 8,5mm.....	100 pieces	48.--
S-700704	Ø 9,0mm.....	100 pieces	48.--
S-700706	Ø 9,5mm.....	100 pieces	48.--
S-700708	Ø 10,0mm.....	100 pieces	48.--
S-700710	Ø 10,5mm.....	100 pieces	48.--
S-700712	Ø 11,0mm.....	100 pieces	48.--
S-700714	Ø 11,5mm.....	100 pieces	48.--
S-700716	Ø 12,0mm.....	100 pieces	48.--



⇅3,4mm black adhesive back

CHF
Net Price

S-700718	Ø 8,0mm.....	100 pieces	48.--
S-700720	Ø 8,5mm.....	100 pieces	48.--
S-700722	Ø 9,0mm.....	100 pieces	48.--
S-700724	Ø 9,5mm.....	100 pieces	48.--
S-700726	Ø 10,0mm.....	100 pieces	48.--
S-700728	Ø 10,5mm.....	100 pieces	48.--
S-700730	Ø 11,0mm.....	100 pieces	48.--
S-700732	Ø 11,5mm.....	100 pieces	48.--
S-700734	Ø 12,0mm.....	100 pieces	48.--

Natural-Cork Mushroom-Shape

CHF
Net Price

S-401410	Ø 7,5mm x 10mm•height ±5mm.....	25 pieces	16.--
S-401411	Ø 8,0mm x 11,5mm•height ±5mm.....	25 pieces	16.--
S-401412	Ø 10,0mm x 13mm•height ±5mm.....	25 pieces	16.--



Valve Stem Washers

Synthetic black "quiet"

CHF
Net Price



S-700603	Ø 5,55mm • hole Ø 4,76mm • thickness 1,59mm.....	25 pieces 8.--
A-412 size•upstroke alignment and more		
S-700577	Ø 12,70mm • hole Ø 5,55mm • thickness 0,40mm.....	25 pieces 8.--
Trumpete-Cornet-Flugelhorn universal•upstroke alignment		
S-700579	Ø 12,70mm • hole Ø 5,55mm • thickness 0,79mm.....	25 pieces 8.--
Trumpete-Cornet-Flugelhorn universal•upstroke alignment		
S-700581	Ø 12,70mm • hole Ø 5,55mm • thickness 1,19mm.....	25 pieces 8.--
Trumpete-Cornet-Flugelhorn universal•upstroke alignment		
S-700583	Ø 12,70mm • hole Ø 5,55mm • thickness 1,59mm.....	25 pieces 8.--
Trumpete-Cornet-Flugelhorn universal•upstroke alignment		
S-700563	Ø 12,70mm • hole Ø 5,55mm • thickness 2,38mm.....	25 pieces 8.--
Trumpete-Cornet-Flugelhorn universal		
S-700643	Ø 12,70mm • hole Ø 5,55mm • thickness 2,54mm.....	25 pieces 8.--
fits Yamaha YTR-2335 and similar		
S-700561	Ø 12,70mm • hole Ø 5,55mm • thickness 3,17mm.....	25 pieces 8.--
fits Jupiter •Trumpete-Cornet-Flugelhorn and similar		
S-700592	Ø 12,70mm • hole Ø 5,55mm • thickness 4,57mm.....	25 pieces 8.--
Trumpete-Cornet-Flugelhorn universal		
S-700647	Ø 13,49mm • hole Ø 4,76mm • thickness 2,67mm.....	25 pieces 8.--
fits Bach Liberty •Trumpete-Cornet-Flugelhorn and similar		
S-700601	Ø 14,28mm • hole Ø 3,96mm • thickness 2,38mm.....	25 pieces 8.--
A-410 size universal for many models		
S-700605	Ø 14,28mm • hole Ø 4,36mm • Sthickness 2,38mm.....	25 pieces 8.--
A-413 size•fits Bariton-Euphonium		
S-700695	Ø 14,28mm • hole Ø 5,15mm • thickness 1,65mm.....	25 pieces 8.--
fits Holton T602P and similar		
S-700693	Ø 14,28mm • hole Ø 5,15mm • thickness 1,78mm.....	25 pieces 8.--
fits Bach TR-300H and similar		
S-700645	Ø 14,28mm • hole Ø 5,15mm • thickness 2,16mm.....	25 pieces 8.--
fits Jupiter CEB 660L and similar		
S-700625	Ø 14,28mm • hole Ø 5,15mm • thickness 2,38mm.....	25 pieces 8.--
Trumpete-Cornet-Flugelhorn universal		
S-700649	Ø 14,28mm • hole Ø 5,15mm • thickness 2,54mm.....	25 pieces 8.--
fits Bundy BTR-300 • King TPT-600 and similar		
S-700742	Ø 14,28mm • hole Ø 6,35mm • thickness 1,65mm.....	25 pieces 8.--
Trumpete-Cornet-Flugelhorn universal•upstroke alignment		
S-700736	Ø 14,28mm • hole Ø 6,35mm • thickness 2,16mm.....	25 pieces 8.--
Trumpete-Cornet-Flugelhorn universal•upstroke alignment		
S-700737	Ø 14,28mm • hole Ø 6,35mm • thickness 2,29mm.....	25 pieces 8.--
Trumpete-Cornet-Flugelhorn universal•upstroke alignment		
S-700738	Ø 14,28mm • hole Ø 6,35mm • thickness 2,41mm.....	25 pieces 8.--
Trumpete-Cornet-Flugelhorn universal•upstroke alignment		
S-700752	Ø 14,28mm • hole Ø 6,35mm • thickness 2,54mm.....	25 pieces 8.--
Trumpete-Cornet-Flugelhorn universal•upstroke alignment		
S-700691	Ø 14,58mm • hole Ø 5,15mm • thickness 2,41mm.....	25 pieces 8.--
fits Eastman ETR-400 and similar		
S-700607	Ø 17,46mm • hole Ø 4,76mm • thickness 2,38mm.....	25 pieces 8.--
A-415 size•fits Sousaphone		
S-700698	Ø 18,5mm • hole Ø 6,5mm • thickness 2,8mm.....	25 pieces 8.--
fits Jupiter Sousaphone and similar•for valve-button as well		



Valve Stem Washers

Synthetic Critical Alignment Washers

		CHF Net Price
S-405150	♂ 0.025mm orange Ø12,7mm ■ hole Ø3.57mm.....	100 pieces 13.--
S-405146	♂ 0.025mm orange Ø12,7mm ■ hole Ø3.97mm.....	100 pieces 13.--
S-405141	♂ 0.025mm orange Ø14.29mm ■ hole Ø6.35mm.....	100 pieces 13.--
S-405151	♂ 0.051mm red Ø12,7mm ■ hole Ø3.57mm.....	100 pieces 13.--
S-405147	♂ 0.051mm red Ø12,7mm ■ hole Ø3.97mm.....	100 pieces 13.--
S-405142	♂ 0.051mm red Ø14.29mm ■ hole Ø6.35mm.....	100 pieces 13.--
S-405152	♂ 0.076mm green Ø12,7mm ■ hole Ø3.57mm.....	100 pieces 13.--
S-405148	♂ 0.076mm green Ø12,7mm ■ hole Ø3.97mm.....	100 pieces 13.--
S-405143	♂ 0.076mm green Ø14.29mm ■ hole Ø6.35mm.....	100 pieces 13.--
S-405153	♂ 0.10mm brown Ø12,7mm ■ hole Ø3.57mm.....	100 pieces 13.--
S-405149	♂ 0.10mm brown Ø12,7mm ■ hole Ø3.97mm.....	100 pieces 13.--
S-405144	♂ 0.10mm brown Ø14.29mm ■ hole Ø6.35mm.....	100 pieces 13.--



Mylar-Film used for the fine-tuning of up-and downstroke of the valve



Valve Stem Washers

Felt "Standard"

		CHF Net Price
S-405100	Ø ±12,7mm•hole Ø ±4,8mm•thickness ±1,6mm•green.....	25 pieces 6.--
S-405002	Ø ±13,5mm•hole Ø ±4,8mm•thickness ±1,6mm•green.....	25 pieces 6.--
S-405101	Ø ±14,3mm•hole Ø ±4,8mm•thickness ±1,6mm•green.....	25 pieces 6.--
S-405105	Ø ±15,9mm•hole Ø ±6,4mm•thickness ±1,6mm•green.....	25 pieces 6.--
S-405003	Ø ±14,3mm•hole Ø ±4,4mm•thickness ±2,4mm•red.....	25 pieces 6.--
S-405104	Ø ±15,9mm•hole Ø ±6,4mm•thickness ±1,6mm•red.....	25 pieces 6.--
S-405004	Ø ±17,5mm•hole Ø ±4,8mm•thickness ±2,4mm•red.....	25 pieces 6.--
S-405001	Ø ±14,3mm•hole Ø ±4,0mm•thickness ±2,4mm•white.....	25 pieces 6.--
S-405013	Ø ±14,3mm•hole Ø ±5,2mm•thickness ±2,4mm•white.....	25 pieces 6.--



Felt "Q-Felt" light grey

		CHF Net Price
S-700759	Ø ±12,7mm•hole Ø ±5,56mm•thickness ±0,38mm.....	25 pieces 14.--
Universal•upstroke alignment		
S-700756	Ø ±12,7mm•hole Ø ±5,56mm•thickness ±0,76mm.....	25 pieces 14.--
Universal•upstroke alignment		
S-700757	Ø ±12,7mm•hole Ø ±5,56mm•thickness ±1,14mm.....	25 pieces 14.--
Universal•upstroke alignment		
S-700758	Ø ±12,7mm•hole Ø ±5,56mm•thickness ±1,52mm.....	25 pieces 14.--
Universal•upstroke alignment		
S-700784	Ø ±12,7mm•hole Ø ±5,56mm•thickness ±1,90mm.....	25 pieces 14.--
fits Schilke and similar		
S-700776	Ø ±12,7mm•hole Ø ±5,56mm•thickness ±2,54mm.....	25 pieces 14.--
fits Yamaha YTR-23 and similar		
S-700761	Ø ±13,5mm•hole Ø ±4,76mm•thickness ±1,52mm.....	25 pieces 14.--
Universal		
S-700778	Ø ±13,5mm•hole Ø ±4,76mm•thickness ±2,67mm.....	25 pieces 14.--
fits Bach Liberty and similar		
S-700760	Ø ±14,3mm•hole Ø ±3,96mm•thickness ±2,29mm.....	25 pieces 14.--
Universal		
S-700762	Ø ±14,3mm•hole Ø ±4,37mm•thickness ±2,29mm.....	25 pieces 14.--
Bariton and similar		
S-700782	Ø ±14,3mm•hole Ø ±5,16mm•thickness ±1,65mm.....	25 pieces 14.--
fits Holton T602P and similar		
S-700781	Ø ±14,3mm•hole Ø ±5,16mm•thickness ±1,79mm.....	25 pieces 14.--
fits Bach TR-300H and similar		
S-700777	Ø ±14,3mm•hole Ø ±5,16mm•thickness ±2,16mm.....	25 pieces 14.--
fits Jupiter CEB-660L and similar		
S-700780	Ø ±14,3mm•hole Ø ±5,16mm•thickness ±2,41mm.....	25 pieces 14.--
fits Eastman ETR-400 and similar		
S-700779	Ø ±14,3mm•hole Ø ±5,16mm•thickness ±2,54mm.....	25 pieces 14.--
fits Bundy BTR-300•King TPT-600 and similar		
S-405202	Ø ±14,5mm•hole Ø ±6,00mm•thickness ±3,00mm.....	25 pieces 14.--
Q2-felt dark-grey•fits Besson smaller instruments		
S-700783	Ø ±16,00mm•hole Ø ±6,00mm•thickness ±3,20mm.....	25 pieces 14.--
Q2-felt dark-grey•fits Besson Tuba and Euphonium		
S-700763	Ø ±17,5mm•hole Ø ±4,76mm•thickness ±2,29mm.....	25 pieces 14.--
fits Sousaphon valve-stem or top-cap		
S-700824	Ø ±14,3mm•hole Ø ±5,2mm•thickness ±2,38mm.....	25 pieces 18.--
Universal•2-layer construction		



Q-Felt is a dense material made of 100% recycled materials•won't get hard with age
Q-Felt ist dimensionally stable and is more dense than traditional felt

Top Cap Washers



Synthetic black "quiet"

		CHF Net Price
S-700623	Ø 15,08mm • hole Ø 9,12mm • thickness 2,38mm.....	25 pieces 8.--
A-416 size•fits Leblanc, Selmer•Trumpete, Cornet, Flugelhorn		
S-700627	Ø 16,66mm • hole Ø 10,31mm • thickness 1,59mm.....	25 pieces 8.--
fits Schilke•Trumpete, Cornet, Flugelhorn		
S-700615	Ø 17,46mm • hole Ø 9,52mm • thickness 1,59mm.....	25 pieces 8.--
A-403 size•fits Getzen•Trumpete, Cornet, Flugelhorn and similar		
S-700633	Ø 17,46mm • hole Ø 9,92mm • thickness 2,61mm.....	25 pieces 8.--
fits Bach•Trumpete, Cornet, Flugelhorn and similar		
S-700502	Ø 17,46mm • hole Ø 9,92mm • thickness 3,17mm.....	25 pieces 8.--
fits Bach•Trumpete, Cornet, Flugelhorn and similar		
S-700611	Ø 17,46mm • hole Ø 10,31mm • thickness 1,98mm.....	25 pieces 8.--
A-401 size•fits Olds•Trumpete, Cornet, Flugelhorn and similar		
S-700641	Ø 17,46mm • hole Ø 11,11mm • thickness 2,16mm.....	25 pieces 8.--
fits Bach TR-30H•Trumpete and similar		
S-700609	Ø 17,46mm • hole Ø 11,11mm • thickness 2,38mm.....	25 pieces 8.--
A-400 size•fits Holton, Bundy•Trumpete, Cornet, Flugelhorn and similar		
S-700639	Ø 18,25mm • hole Ø 9,52mm • thickness 1,78mm.....	25 pieces 8.--
fits Eastman ETR-400•Trumpete, Cornet, Flugelhorn and similar		
S-700635	Ø 18,25mm • hole Ø 9,52mm • thickness 2,03mm.....	25 pieces 8.--
fits Yamaha YTR-2335, Jupiter CEB-600L, Bach Liberty and similar		
S-700739	Ø 18,25mm • hole Ø 9,52mm • thickness 2,16mm.....	25 pieces 8.--
Trumpet universal•downstroke alignment		
S-700740	Ø 18,25mm • hole Ø 9,52mm • thickness 2,29mm.....	25 pieces 8.--
Trumpet universal•downstroke alignment		
S-700613	Ø 18,25mm • hole Ø 9,52mm • thickness 2,38mm.....	25 pieces 8.--
A-402 size•fits Conn, King, Yamaha•Trumpete, Cornet, Flugelhorn and similar		
S-700741	Ø 18,25mm • hole Ø 9,52mm • thickness 2,41mm.....	25 pieces 8.--
Trumpet universal•downstroke alignment		
S-700637	Ø 18,25mm • hole Ø 9,52mm • thickness 2,67mm.....	25 pieces 8.--
fits King TPT-600, Bundy BTR-300 and similar		
S-700617	Ø 19,05mm • hole Ø 10,31mm • thickness 3,17mm.....	25 pieces 8.--
A-404 size•fits Bariton-Euphonium•Holton and similar		
S-700621	Ø 20,63mm • hole Ø 9,52mm • thickness 1,98mm.....	25 pieces 8.--
A-407 size•fits Sousaphone•Holton and similar		
S-700650	Ø 22,33mm • hole Ø 12,70mm • thickness 2,80mm.....	25 pieces 8.--
fits Bariton-Euphonium universal		
S-700619	Ø 22,33mm • hole Ø 14,28mm • thickness 1,59mm.....	25 pieces 8.--
A-406 size•fits Sousaphone•King and similar		



Synthetic black + composite cork "quiet"

		CHF Net Price
S-700629	Ø 18,25mm • hole Ø 9,52mm • thickness 2,38mm.....	25 pieces 8.--
fits Yamaha, Conn, King•Trumpete, Cornet, Flugelhorn and similar		
Sandwich-Construction Synthetic and composite cork		

Top Cap Washers

Felt "Standard"

		CHF Net Price
S-405006	Ø ±17,5mm•hole Ø ±10,3mm•thickness ±2,0mm•green.....	25 pieces 5.--
S-405005	Ø ±17,5mm•hole Ø ±11,1mm•thickness ±2,4mm•green.....	25 pieces 5.--
S-405011	Ø ±20,6mm•hole Ø ±9,5mm•thickness ±2,0mm•green.....	25 pieces 5.--
S-405010	Ø ±22,2mm•hole Ø ±14,3mm•thickness ±1,6mm•green.....	25 pieces 5.--
S-405007	Ø ±17,5mm•hole Ø ±9,5mm•thickness ±1,6mm•red.....	25 pieces 5.--
S-405008	Ø ±18,3mm•hole Ø ±9,5mm•thickness ±2,4mm•red.....	25 pieces 5.--
S-405012	Ø ±15,1mm•hole Ø ±9,1mm•thickness ±2,4mm•white.....	25 pieces 5.--
S-405009	Ø ±19,0mm•hole Ø ±10,3mm•thickness ±3,2mm•black.....	25 pieces 5.--



Felt "Q-Felt" light grey

		CHF Net Price
S-700828	Ø ±19,0mm•hole Ø ±10,3mm•thickness ±2,0mm.....	25 pieces 18.--

Universal•2-layer construction
 Q-Felt is a dense material made of 100% recycled materials•won't get hard with age
 Q-Felt ist dimensionally stable and is more dense than traditional felt



Felt "Q2-Felt" charcoal grey

		CHF Net Price
S-700771	Ø ±15,08mm•hole Ø ±9,13mm•thickness ±2,29mm.....	25 pieces 14.--
fits Leblanc•Selmer and similar		
S-700785	Ø ±16,67mm•hole Ø ±10,32mm•thickness ±1,59mm.....	25 pieces 14.--
fits Schilke and similar		
S-700767	Ø ±17,5mm•hole Ø ±9,5mm•thickness ±1,5mm.....	25 pieces 14.--
fits Getzen and similar		
S-700765	Ø ±17,46mm•hole Ø ±10,32mm•thickness ±1,91mm.....	25 pieces 14.--
fits Olds and similar		
S-700775	Ø ±17,46mm•hole Ø ±11,11mm•thickness ±2,16mm.....	25 pieces 14.--
fits Bach TR-300H and similar		
S-700764	Ø ±17,46mm•hole Ø ±11,11mm•thickness ±2,29mm.....	25 pieces 14.--
fits Holton•Bundy and similar		
S-700774	Ø ±18,26mm•hole Ø ±9,53mm•thickness ±1,79mm.....	25 pieces 14.--
fits Eastman ETR-400 and similar		
S-700772	Ø ±18,26mm•hole Ø ±9,53mm•thickness ±2,03mm.....	25 pieces 14.--
fits Yamaha YTR-2335•Jupiter and similar		
S-700766	Ø ±18,26mm•hole Ø ±9,53mm•thickness ±2,29mm.....	25 pieces 14.--
fits Conn•King•Yamaha similar		
S-700773	Ø ±18,26mm•hole Ø ±9,53mm•thickness ±2,67mm.....	25 pieces 14.--
fits Bundy BTR-300•King and similar		
S-700768	Ø ±19,05mm•hole Ø ±10,32mm•thickness ±3,18mm.....	25 pieces 14.--
fits Bariton•Euphonium and similar		
S-700770	Ø ±20,64mm•hole Ø ±9,53mm•thickness ±1,91mm.....	25 pieces 14.--
fits Tuba•Sousaphon similar		
S-700769	Ø ±22,23mm•hole Ø ±14,29mm•thickness ±1,52mm.....	25 pieces 14.--
fits King Sousaphon•Tuba and similar		



Q2-Felt is a dense material made of 100% recycled materials•won't get hard with age
 Q2-Felt ist dimensionally stable and is more dense than Q-Felt

Technician Q-Felt Washer Assortment

		CHF Net Price
S-700064	assortment with Valve-Stem and Top-Cap washers.....	1 set 300.--

2 Valentino organzier-boxes with all Q-Felt Washers•over 400 pieces
 Valve-Stem washers made of Q-Felt grey - slightly softer than Q2-Felt
 Top-Cap washers made of Q2-Felt charcoal with larger center hole



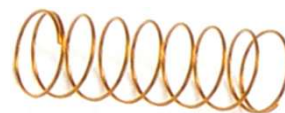
Springs

Valve-Springs

		CHF Net Price
S-180517	Ø 9,7mm • length ±41,9mm•Trumpet/Cornet.....	12 pieces 8.--
S-180518	Ø 9,7mm • length ±43,2mm•Trumpet/Cornet.....	12 pieces 8.--
S-180519	Ø 10,4mm • length ±43,7mm•Trumpet/Cornet.....	12 pieces 8.--
S-180516	Ø 15,5mm • length ±42,4mm•Trumpet/Cornet.....	12 pieces 8.--
S-180520	Ø 16,0mm • length ±39,6mm•Trumpet/Cornet.....	12 pieces 8.--
S-180524	Ø 16,3mm • length ±52,3mm•Tuba.....	12 pieces 8.--
S-180521	Ø 16,8mm • length ±48,8mm•Bariton•Euphonium	12 pieces 16.--
S-180523	Ø 17,0mm • length ±51,8mm•Tuba.....	12 pieces 10.--
S-180522	Ø 19,6mm • length ±65,0mm•Tuba.....	12 pieces 16.--

length measured in passive state

S-180514	Ø 12,2mm • length ±43,7mm.....	12 pieces 8.--
Trumpet/Cornet•Bottom-Action•one end enlarged Ø 21,1mm		
S-180515	Ø 12,2▶15,2mm conical • length 38,4mm.....	12 pieces 8.--
Trumpet/Cornet•length measured in passive state		



standard cylindrical



180514



180515



180512

180513

open French-Horn rotary-valve-spring

		CHF Net Price
S-180512	▶◀outer width 19,8mm • length 51,3mm.....	12 pieces 12.--
S-180513	▶◀outer width 20,3mm • length 54,4mm.....	12 pieces 12.--

capsuled style spring old-style rotary-valve system

		CHF Net Price
X71-0120	3,5mm coiled.....	1 piece 4.50
X71-0121	4,5mm coiled.....	1 piece 4.50
X71-0122	6,0mm coiled.....	1 piece 4.50
X71-0123	8,0mm coiled.....	1 piece 4.50



capsuled style

Waterkey Trumpet/Cornet/Flugelhorn

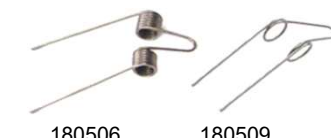
		CHF Net Price
S-180507	▶◀outer width 7,9mm • length 22,6mm.....	12 pieces 6.--
S-180508	▶◀outer width 8,4mm • length 17,5mm.....	12 pieces 6.--
S-180506	▶◀outer width 10,4mm • length 26,4mm.....	12 pieces 6.--
S-180509	▶◀outer width 11,7mm • length 25,4mm.....	12 pieces 10.--
S-180511	▶◀outer width 11,7mm • length 28,5mm.....	12 pieces 9.--
S-180510	▶◀outer width 10,7mm • length 18,5mm.....	12 pieces 10.--

outer ends right angled



180507

180508

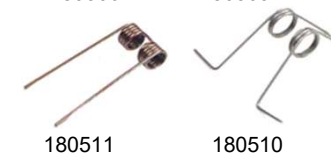


180506

180509

Waterkey Trombone

		CHF Net Price
S-180504	▶◀outer width 10,2mm • length 24,9mm.....	12 pieces 11.--
S-180500	▶◀outer width 12,7mm • length 38,1mm.....	12 pieces 5.--
S-180502	▶◀outer width 16,5mm • length 37,1mm.....	12 pieces 11.--
S-180503	▶◀outer width 16,5mm • length 54,1mm.....	12 pieces 11.--
S-180501	▶◀outer width 16,8mm • length 37,6mm.....	12 pieces 11.--



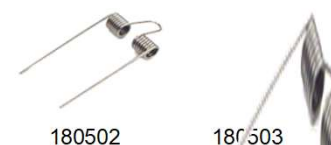
180511

180510



180504

180500



180502

180503



180501

Spare-Parts

Waterkey Trumpet

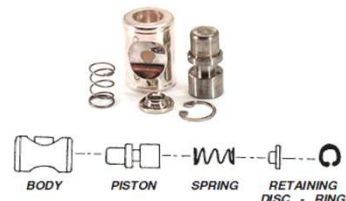
		CHF Net Price
X71-0010	Nickel-Silver•tuning-slide.....	1 piece 12.--
X71-0011	Brass•tuning-slide.....	1 piece 12.--
X71-0013	Nickel-Silver•3. slide.....	1 piece 12.--
X71-0014	Brass•3. slide.....	1 piece 12.--

with spring, screw, mount•for waterkey-pad Ø 8mm



Waterkey "Amado"

		CHF Net Price
X70-A920	Brass complet set.....	1 piece 11.--
X70-A922	Retainer Disk.....	10 pieces 5.--
X70-A923	C-Clip.....	10 pieces 9.50
X70-A924	Spring.....	10 pieces 2.--
X70-A925	Piston.....	1 piece 5.50
X70-A926	Poly-Caps.....	10 pieces 5.--



Waterkey Trompette Rotary-Valve style

		CHF Net Price
X71-0020	Nickel-Silver•length 8,5cm.....	1 piece 12.--
X71-0021	Brass•length 8,5cm.....	1 piece 12.--
X71-0023	Nickel-Silver•length 11,0cm.....	1 piece 14.--

with spring, screw, mount•for waterkey-pad Ø 9mm



Waterkey Trombone

		CHF Net Price
X71-0040	Nickel-Silver•lever straight.....	1 piece 12.--
X71-0042	Nickel-Silver•lever curved.....	1 piece 14.50
X71-0043	Brass•lever curved.....	1 piece 13.--

with spring, screw, mount•for waterkey-pad Ø 8mm



Waterkey Bariton•Tenorhorn•Euphonium

		CHF Net Price
X71-0030	Nickel-Silver•curved.....	1 piece 12.--
X71-0031	Brass•curved.....	1 piece 12.--
X71-0033	Nickel-Silver•straight.....	1 piece 12.--

with spring, screw, mount•for waterkey-pad Ø 10mm



Waterkey Tuba

		CHF Net Price
X71-0045	Nickel-Silver•length 8,5cm.....	1 piece 12.--
X71-0046	Brass•length 8,5cm.....	1 piece 12.--

with spring, screw, mount•for waterkey-pad Ø 10mm



Waterkey Hole-Plate

		CHF Net Price
X71-0070	Brass•hole Ø 4mm•outer Ø 8mm.....	10 pieces 7.--
X71-0071	Brass•hole Ø 6mm•outer Ø 8mm.....	10 pieces 7.--
X71-0072	Brass•hole Ø 3mm•outer Ø 12mm.....	10 pieces 7.--



Waterkey-Screws

		CHF Net Price
X71-0080	Nickel-Silver M2,6•5mm x 15mm.....	10 pieces 6.--
X71-0081	Nickel-Silver M3•5mm x 20mm.....	10 pieces 7.--
X71-0082	Nickel-Silver M3•5mm x 25mm.....	10 pieces 7.20

Spare-Parts

Lyre-Holder lengthwise

CHF
Net Price

X71-0300	Nickel-Silver●plate Ø 18mm.....	1 piece 11.--
X71-0301	Brass●plate Ø 18mm.....	1 piece 11.--
X71-0306	Nickel-Silver●plate Ø 22mm.....	1 piece 11.--
X71-0307	Brass●plate Ø 22mm.....	1 piece 11.--
X71-0312	Nickel-Silver●diamond-shape plate 53,5x32mm.....	1 piece 12.--
X71-0302	Nickel-Silver silver-plated●plate Ø 18mm.....	1 piece 13.--
X71-0308	Nickel-Silver silver-plated●plate Ø 22mm.....	1 piece 13.--
X71-0314	Nickel-Silver●silver-plated..... diamond-shape plate 53,5x32mm	1 piece 13.--

with screw●for lyre with 4mm rod



lengthwise



crosswise

Lyre-Holder crosswise

CHF
Net Price

X71-0303	Nickel-Silver●plate Ø 18mm.....	1 piece 11.--
X71-0304	Brass●plate Ø 18mm.....	1 piece 11.--
X71-0309	Nickel-Silver●plate Ø 22mm.....	1 piece 11.--
X71-0310	Brass●plate Ø 22mm.....	1 piece 11.--
X71-0313	Nickel-Silver●diamond-shape plate 53,5x32mm.....	1 piece 12.--
X71-0305	Nickel-Silver silver-plated●plate Ø 18mm.....	1 piece 13.--
X71-0311	Nickel-Silver silver-plated●plate Ø 22mm.....	1 piece 13.--
X71-0315	Nickel-Silver●silver-plated..... diamond-shape plate 53,5x32mm	1 piece 13.--

with screw●for lyre with 4mm rod



diamond-shape plate

Slide-Knob

CHF
Net Price

S79-0001	Brass●Ball-End●Ø6,0mm x 8,7mm.....	10 pieces 11.--
S79-0002	Nickelsilver●Ball-End●Ø6,0mm x 8,7mm.....	10 pieces 11.--
S79-0003	Brass●straight●Ø6,0mm x 7,8mm.....	10 pieces 11.--
S79-0004	Nickelsilver●straight●Ø6,0mm x 7,8mm.....	10 pieces 11.--



Valve-Guide

CHF
Net Price

S-158041	JLS Plastic black.....	12 pieces 21.--
▶ Yamaha® Trumpet, Cornet, Alto-Horn		
S-158044	JLS Plastic black.....	12 pieces 30.--
▶ Yamaha® Euphonium, Tuba, Sousaphone		
S-158042	JLS Plastic black.....	12 pieces 28.--
▶ Yamaha® Bariton, Alto		



Stop 3rd slide

CHF
Net Price

S-158045	JLS Plastic black.....	1 piece 6.--
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length ±95mm●height ±14,1mm●thickness ±4,6mm●as used on Getzen



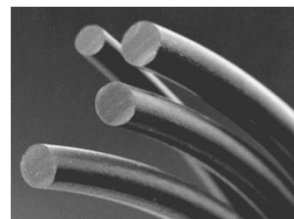
Rotary-Valve parts

Neopren-Cord black

CHF
Net Price

S-450017	JLS Ø 3,18mm • length 914mm.....	1 piece 12.--
S-450018	JLS Ø 3,97mm • length 914mm.....	1 piece 12.--
S-450019	JLS Ø 4,76mm • length 914mm.....	1 piece 16.--
S-450020	JLS Ø 5,56mm • length 914mm.....	1 piece 16.--
S-450021	JLS Ø 6,35mm • length 914mm.....	1 piece 16.--

harder than silicone•cut the string only after inserting in the horseshoe-stop
stretch the string slightly to insert



Silicone-Cord transparent-white

CHF
Net Price

S-450026	JLS Ø 3,18mm • length 914mm.....	1 piece 8.--
S-450027	JLS Ø 3,97mm • length 914mm.....	1 piece 25.--
S-450028	JLS Ø 4,76mm • length 914mm.....	1 piece 11.--
S-450029	JLS Ø 5,56mm • length 914mm.....	1 piece 12.--
S-450030	JLS Ø 6,35mm • length 914mm.....	1 piece 15.50

softer than neopren•cut the string only after inserting in the horseshoe-stop
stretch the string slightly to insert



French-Horn-String

CHF
Net Price

S-111001	White•Ø 0,8mm•spool with ±91m.....	1 piece 29.50
S-111002	Yellow•Ø 0,8mm•spool with ±91m.....	1 piece 29.50

Braided Dacron•tested 22kg



Horseshoe-Stop•Horseshoe-Stop-Screw

CHF
Net Price

X71-0126	Horseshoe nickel-silver Ø 22mm.....	1 piece 5.--
X71-0128	Horseshoe nickel-silver Ø 26mm.....	1 piece 5.--
X71-0130	Horseshoe nickel-silver Ø 28mm.....	1 piece 6.--
X71-0132	Screw Nickel-Silver M-2,6 short.....	10 pieces 2.--
X71-0134	Screw Nickel-Silver M-2,6 long.....	10 pieces 2.--
X71-0135	Screw Nickel-Silver M-3 x 4,5x7.....	10 pieces 9.--



Pulley•Pulley-Screw

CHF
Net Price

X71-0140	Pulley trumpet•nickel-silver 11x11,5x19mm.....	1 piece 4.--
X71-0142	Pulley tuba•nickel-silver 12,5x13x21mm.....	1 piece 6.--
X71-0144	Pulley tuba•nickel-silver 14x13x21mm.....	1 piece 7.--
X71-0160	Trumpet•Steel-Screw 3/32".....	10 pieces 5.--
X71-0161	Trumpet•Steel-Screw 3/32" heavy shaft.....	10 pieces 5.--
X71-0163	Trumpet•Steel-Screw M-2,3.....	10 pieces 5.--
X71-0164	Trumpet•Steel-Screw M-2,3 heavy shaft.....	10 pieces 5.--
X71-0165	Trumpet•Steel-Screw M-2,6.....	10 pieces 5.--
X71-0162	Tuba•Steel-Screw 3/32".....	10 pieces 5.--
X71-0166	Tuba•Steel-Screw M-2,6.....	10 pieces 5.--



Spindle-Screw

CHF
Net Price

X71-0150	Round-Head•nickel-silver•M-2,6x8x12mm.....	10 pieces 9.50
X71-0152	Round-Head•nickel-silver•M-3x8x12mm.....	10 pieces 9.50
X71-0154	Round-Head•nickel-silver•M-3,5x8x12mm.....	10 pieces 9.50
X71-0157	Round-Head•nickel-silver•M-3x10x13mm.....	10 pieces 13.--
X71-0158	Round-Head•nickel-silver•M-3,5x10x13mm.....	10 pieces 13.--
X71-0155	Flat-Head•nickel-silver•M-2,6x6,5x10mm.....	10 pieces 8.--
X71-0156	Flat-Head•nickel-silver•M-3x7x10mm.....	10 pieces 7.--



Cork

Cork "natural" cylindrical

CHF
Net Price

P10-2030	Ø 3mm • length 10mm.....	25 pieces 9.--
P10-2040	Ø 4mm • length 40mm.....	25 pieces 10.50
P10-2050	Ø 5mm • length 40mm.....	25 pieces 10.50
P10-2060	Ø 6mm • length 40mm.....	25 pieces 10.50
P10-2070	Ø 7mm • length 40mm.....	25 pieces 10.50
P10-2080	Ø 8mm • length 40mm.....	25 pieces 10.50
P10-2090	Ø 9mm • length 40mm.....	25 pieces 10.50
P10-2100	Ø 10mm • length 40mm.....	25 pieces 14.--
P10-2110	Ø 11mm • length 40mm.....	25 pieces 14.--
P10-2120	Ø 12mm • length 40mm.....	25 pieces 14.--
P10-2130	Ø 13mm • length 40mm.....	25 pieces 14.--
P10-2140	Ø 14mm • length 40mm.....	25 pieces 14.--
P10-2150	Ø 15mm • length 40mm.....	25 pieces 15.--
P10-2160	Ø 16mm • length 40mm.....	25 pieces 15.--

premium european quality



Mute-Cork rubberized composite cork

CHF
Net Price

X77-0001	Trumpet•Cornet	3 pieces 5.25
	Length ±38mm•Width ±8,6mm•Thickness ±6,5mm	
X77-0006	Flugelhorn	3 pieces 6.50
	Length ±44mm•Width ±8,4mm•Thickness ±9,6mm	
X77-0002	Trombone	3 pieces 5.25
	Length ±43mm•Width ±8,0mm•Thickness ±6,5mm	
X77-0003	Bass-Trombone	3 pieces 7.--
	Length ±83mm•Width ±12,8mm•Thickness ±3,2mm	
X77-0004	Bariton•Euphonium	3 pieces 10.--
	Length ±347mm•Width ±12,4mm•Thickness ±12,1mm•one side tapered	
X77-0005	Tuba•Sousaphone	3 pieces 11.--
	Length ±400mm•Width ±13,7mm•Thickness ±16,2mm•one side tapered	



Mute-Cork synthetic trapezium shape

CHF
Net Price

S-700850	Trumpet	12 pieces 8.50
	Length ±50mm•Width ±6x11mm•Thickness ±7,5mm	
	Double-Faced adhesive tape added seperately	
S-700851	Trombone	12 pieces 8.50
	Length ±62mm•Width ±10x15mm•Thickness ±10mm	
	Double-Faced adhesive tape added seperately	
S-700852	Trombone	12 pieces 8.50
	Length ±62mm•Width ±10x15mm•Thickness ±11mm	
	Double-Faced adhesive tape added seperately	
S-700853	Bass-Trombone	12 pieces 8.50
	Length ±75mm•Width ±11x16mm•Thickness ±10mm	
	Double-Faced adhesive tape added seperately	



Miscellaneous

O-Ring rubber

CHF
Net Price

X70-A420 Ø 11mm•thickness 1mm•black..... 100 pieces 25.--
use as bumper-rings on small diameter slide-tubing like 3rd-slide with trigger



Rubber-Bumper Trombone End-Guard

CHF
Net Price

S-188021 Rubber black..... 12 pieces 34.--
Hole Ø ±5mm•Depth of hole ±9,8mm•Outer Ø ± 9,5mm•Length ±12,5mm



Bell-Rim Protectors Silicone translucent

CHF
Net Price

79-9661 Ø 30cm Bell-Size..... 1 piece 9.--
79-9660 Ø 31cm Bell-Size..... 1 piece 9.--
79-9662 Ø 38cm Bell-Size..... 1 piece 9.--
79-9663 Ø 40cm Bell-Size..... 1 piece 9.50
79-9664 Ø 42cm Bell-Size..... 1 piece 9.50
79-9665 Ø 43cm Bell-Size..... 1 piece 9.50
79-9666 Ø 45cm Bell-Size..... 1 piece 9.50
79-9667 Ø 48cm Bell-Size..... 1 piece 11.--
79-9668 Ø 50cm Bell-Size..... 1 piece 11.--
79-9672 Ø 65cm Bell-Size•for Sousaphone..... 1 piece 13.50



Tube lengthwise cut open and endless welded•can be stretched slightly

Slide-Bumper for trombone-slide

CHF
Net Price

S-401485 **Composite-Cork** brown..... 10 pieces 5.--
outer Ø ±17,5mm•inner Ø ±12,3mm•thickness ±3,8mm
S-405110 **Q-Felt grey** Trombone..... 25 pieces 6.80
outer Ø ±17,5mm•inner Ø ±11mm•thickness ±3mm
S-405112 **Q-Felt grey** Trombone..... 25 pieces 6.80
outer Ø ±17,5mm•inner Ø ±13mm•thickness ±3mm
S-405111 **Q-Felt grey** Bass-Trombone..... 25 pieces 6.80
outer Ø ±19,5mm•inner Ø ±13,9mm•thickness ±3,5mm
S-405113 **Q-Felt grey** Bass-Trombone..... 25 pieces 6.80
outer Ø ±18,5mm•inner Ø ±14,0mm•thickness ±3,2mm



Lever-Pad "bumper" adhesive back

CHF
Net Price

S-700787 Ø 6mm **brown** thickness 2,8mm..... 25 pieces 10.--
S-700788 Ø 6mm **black** thickness 2,8mm..... 25 pieces 10.--
perfect for trigger-lever or waterkey-lever



Lapping Compound

CHF
Net Price

S-110044 **Garnet 600 Grit** 113gr..... 1 piece 15.--
S-110045 **Garnet 800 Grit** 113gr..... 1 piece 15.--

The best on the market for lapping valves and slides•shipped as dry powder
use with water or oil•if used with water add liquid soap



Lubricants • Grease • Gel

Valve-Oil Petroleum based Oil

		CHF Net Price
S-119024	JLS 177ml●#10 Thin..... great for new valves or ones with tight clearances	1 piece 8.--
S-119025	JLS 177ml●#11 Medium..... our #11 oil is "just right" for most valves	1 piece 8.--
S-119026	JLS 177ml●#12 Heavy..... great for older horns or ones with loose tolerances	1 piece 8.--



Slide-Grease

		CHF Net Price
S-119027	JLS 450gr●#13 General-Use..... based on an old Ed Myers formula, our #13 is a great anti-sticking grease to apply to tuning slides that may not be used daily	1 piece 11.--
S-119029	JLS 450gr●#15 Classic white..... our #15 white slide grease is great for most tuning slides servicing and is a great lubricant for burnishing and dent machines	1 piece 10.--



Slide-Gel

		CHF Net Price
S-119028	JLS 177ml●#14 Extra-Thick..... our #14 "Slide Jelly" looks and feels like honey. Holds up well and is very tenacious. Very thick and will stay put	1 piece 7.--
S-119030	JLS 177ml●#16 Medium-Thick..... our #16 slide lubricant is thinned jelly. Medium viscosity. Pretty thick and stays put	1 piece 13.--



Penetrating-Oil

		CHF Net Price
S-700107	JLS 15ml..... Glas-Bottle●Dropping-Glass for exact application of the oil	1 piece 4.--



Dent Removal

Shank Dent Tool for Brass Mouthpieces

CHF
Net Price

S-700051 **JLS Shank-Dent-Tool**..... 1 piece 42.--

hardened stainless-steel●conical Ø 5,7mm ▶ Ø 12,8mm

When they're dropped, mouthpiece shanks are easily dented, affecting performance

Restore the shape fast and easily with the JLS shank-dent-tool

which is designed to fit trumpet through tuba



Expanding Ball Tool

CHF
Net Price

S-206029 **JLS small**●ball Ø 11,1mm..... 1 piece 148.--

S-206008 **JLS medium**●ball Ø 12,7mm..... 1 piece 148.--

S-206009 **JLS large**●ball Ø 14,3mm..... 1 piece 148.--

Ball-Size indication in passive state●ball hard chrome plated

Shaft length 133,4mm●Handle 152,4mm●perfectly for tuning-slide tubes

Remove dents without changing the original tubing size.



Expanding Ball Tool for trombone-slides

CHF
Net Price

S-206028 **JLS Trombone**..... 1 piece 209.--

S-206010 **JLS Bass-Trombone**..... 1 piece 209.--

Remove dents without changing the original tubing size. Even pressure moves the

metal. Our unique "Split-Ball" design is very different from other tools. It gives the

user the ability to override the metal memory without changing the original

dimension of the tube being worked. Dents, flat spots and out-of-roundness

are easily removed in minutes



Dent removal magnetic

MDRS Set

CHF
Net Price

S-203031	Ultimate.....	1 Set	1'710.--
1x1,550" Flat-Face Magnet•1x2" Flat-Face Magnet•1x1,550" Radius-Axial Magnet 1x 2" Radius-Axial Magnet•1x Extension-Handle for Magnet•Mylar-Disc 1x Wood-"Caddy" for 4 Magnet•Versatile-Puller•Tool-Box			
S-203029	Technicians.....	1 Set	1'365.--
1x1,550" Flat-Face Magnet•1x2" Flat-Face Magnet•1x 2" Radius-Axial Magnet 1x Extension-Handle for Magnet•Mylar-Disc•Versatile-Puller 1x Wood-"Caddy" for Magnets•Tool-Box			
S-203026	Essential.....	1 Set	770.--
1x1,550" Flat-Face Magnet•1x2" Flat-Face Magnet•1x Extension-Handle for Magnet Mylar-Disc•Tool-Box			
S-203032	Introductory.....	1 Set	523.--
1x1,550" Flat-Face Magnet•Mylar-Disc•Tool-Box 1 each ball 38,1mm•41,3mm•44,5mm•47,6mm•50,8mm•54mm•57,2mm•60,3mm			



MDRS Magnet

CHF
Net Price

S-203028	Flat-Face Ø 2,0"(50,8mm).....	1 piece	390.--
S-203027	Flat-Face Ø 1,5"(38,1mm).....	1 piece	335.--
S-203011	Radius Axial Ø 1,5"(38,1mm).....	1 piece	404.--

stronger than Flat-Face•full power of the magnet focused at the apex of the armor-plated dome
ultra strong N52-Neodym Magnet ► **keep away from children** ◀
can interfere with cardiac pacemaker or other medical equipment
strong magnetic-field may interfere with general electronic devices•danger of bruises•danger of fire when magnet is mechanically modified-don't do it!
Neodym-Magnet are brittle and can split when falls on hard surface



MDRS Balls

CHF
Net Price

S-203014	Set "A" 49 Solid Chrome-Steel Balls•Oak-Case.....	1 Set	190.--
4 balls each►15,9mm•16,7mm•17,5mm•18,3mm•19,1mm 3 balls each►19,8mm•20,6mm•22,2mm•23,8mm•25,4mm 2 balls each►27mm•28,6mm•30,2mm•31,8mm•33,3mm•34,9mm•36,5mm			
S-203015	Set "B" 8 Solid Chrome-Steel Balls•no case.....	1 Set	146.--
1 ball each►38,1mm•41,3mm•44,5mm•47,6mm•50,8mm•54mm•57,2mm•60,3mm			
S-203019	Oak-Case for 11 balls (Set "B"+"C").....	1 piece	97.--
S-203016	Set "C" 3 Solid Chrome-Steel Balls•no case.....	1 Set	180.--
1 ball each►63,5mm•66,7mm•69,9mm			
S-203019	Oak-Case for 11 balls (Set "B"+"C").....	1 piece	92.--
S-203017	Set "D" 8 Hollow-Steel Balls.....	1 Set	330.--
1 ball each►38,1mm•50,8mm•63,5mm•76,2mm•88,9mm•101,6mm•127mm for shallow dents and burnishing after heavy dent removal			
S-203035	Set "I" Solid Chrome-Steel Ball 76,2mm.....	1 piece	58.--



MDRS Accessories

CHF
Net Price

S-203030	Caddy Holder for 4 magnets•oak.....	1 piece	100.--
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Tools various

Mouthpiece-Puller

CHF
Net Price

S-700070	JLS "Uni-Grip" Mouthpiece-Puller	1 piece	125.--
S-901001	Thumb-Screw for sliding plate.....	1 piece	2.--
S-9700052C	Sliding-Plate.....	1 piece	6.--

Remove any stuck mouthpieces with ease • size 177x79x38mm
professional quality • only one screw to operate • no risk to damage instrument
adjustable steel-braces to adjust to the receiver • made in USA



Mouthpiece Polishing Arbor

CHF
Net Price

S-206003	JLS Cornet-French-Horn	1 piece	14.--
S-206004	JLS Trumpet-Trombone	1 piece	14.--
S-206005	JLS Tuba-Sousaphone	1 piece	14.--

Our Polishing Arbors hold the the mouthpiece securely. With its taper holds the backbore of the mouthpiece. The other end of the tool is chucked in a bench motor or lathe and the mouthpiece can now be securely turned.

Use Simichrome on a soft cloth to polish and remove fine scratches



Mouthpiece-Collet

CHF
Net Price

S-206001	JLS Trumpet • brass	1 piece	31.--
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Used to hold mouthpiece while threading, boring or polishing
Will hold the mouthpiece secure in a lathe chuck



Brace Squeezer

CHF
Net Price

S-206072	JLS Brace Squeezer	1 piece	38.50
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The squeezer is designed to shorten a "fixed" style (non-telescoping) brace in order to properly align parts. Think of the critical alignment of slide tubes such as the thür. slide on a trumpet. The JLS Brace Squeezer holds the brace on center in its frame, allowing one to squeeze the frame in a vise. The vice applies the pressure to shorten the brace. The brace Squeezer's screws hold the frame in proper alignment to the brace



Valve Restringing Kit

CHF
Net Price

S-206058	JLS Valve Restringing Kit	1 piece	25.--
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it never has been easier to restring rotary-valves • set the jig in place over the touch pieces as shown on the picture • replace the strings as shown in the instruction-manual • after you are finished the touch pieces will be perfectly leveled



Rotary Spindle Bearing Installation

CHF
Net Price

S-227088	JLS 60mm • Delrin black	1 piece	17.--
S-227089	JLS 100mm • Delrin black	1 piece	22.--

Ø outer 23mm • inner hole Ø 11mm

easy way to mount and set the bottom spindle-bearing of a rotary-valve



JLS Tenon-Popper

CHF
Net Price

S-242059	JLS Trumpet steel	1 piece	42.--
S-242060	JLS Euphonium/Bariton steel	1 piece	42.--

Finally an easy way to re-round the end of metal tenons and slide tubes.

Our two part Tenon & Tube Popper set include a male rounder/expander and a female shrinker.



Waterkey-Spring-Tool

CHF
Net Price

S-206057	JLS Waterkey-Spring-Tool		8.50
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simple tool to hold and install the waterkey-spring



Brushes

Power-Brush Cleaning System

	CHF Net Price
S-113093 JLS Power-Brush Ø 12,7mm..... Nylon Bristle Brush Ø 12,7mm x 76mm•Total-Length 216mm Square-Edged "Bit" receiver at end for easy changing ▶ Trumpet Leadpipe•French-Horn tubing and more	1 piece 11.--
S-113092 JLS Power-Brush Ø 15,9mm..... Nylon Bristle Brush Ø 15,9 mm x 57mm•Total-Length 171,5mm Square-Edged "Bit" receiver at end for easy changing ▶ Trumpet tubing•Bariton tubing and more	1 piece 11.--
S-113091 JLS Power-Brush Ø 22,2mm..... Nylon Bristle Brush Ø 22,2 mm x 101,6mm•Total-Length 381mm Square-Edged "Bit" receiver at end for easy changing ▶ Euphonium tubing•Tuba tubing and more	1 piece 11.--
S-254103 JLS Quick-Change Adapter Allows one to quickly change from brush to brush	1 piece 29.--
S-113090 JLS Power-Brush Cleaning-Solution Perfect solution for cleaning, brightening and putting a beautiful satin finish on instrument tubing•No harsh chemicals•shake well bevor use jar ist filled up only half for resons of shipment	1 piece 14.--



Nylon-Brush

	CHF Net Price
S-113015 Ø±50,8mm x ±127mm•Total-Length ±425mm.....	1 piece 11.--
S-113039 Ø±31,8mm x ±102mm•Total-Length ±914mm.....	1 piece 8.--
S-113014 Ø±31,8mm x ±102mm•Total-Length ±330mm.....	1 piece 7.--
S-113013 Ø±25,4mm x ±102mm•Total-Length ±311mm.....	1 piece 6.--
S-113032 Ø±22,2mm x ±102mm•Total-Length ±381mm.....	1 piece 5.--
S-113012 Ø±19,0mm x ±76mm•Total-Length ±216mm.....	1 piece 5.--
S-113033 Ø±15,9mm x ±57mm•Total-Length ±170mm.....	1 piece 5.--
S-113050 Ø±15,9mm x ±114mm•Total-Length ±1067mm.....	1 piece 16.--
S-113011 Ø±12,7mm x ±76mm•Total-Length ±216mm.....	1 piece 5.--
S-113010 Ø±9,5mm x ±100mm•Total-Length ±381mm.....	1 piece 6.--
S-113009 Ø±6,4mm x ±51mm•Total-Length ±159mm.....	1 piece 5.--

for the inside cleaning of tubes



Trombone Playing-Slide Polishing-Buff

	CHF Net Price
S-113056 JLS Polishing-Buff ±12,7mm x Ø±6,35mm..... If you must hone the bore, you can buff the inside for that original factory-finish Use a bench-motor or a hand-drill to spin the buff oder Handstange	1 piece 3.50
S-113058 JLS Polishing-Buff ±22,3mm x Ø±4,7-±7,9mm..... If you must hone the bore, you can buff the inside for that original factory-finish Use a bench-motor or a hand-drill to spin the buff oder Handstange	1 piece 6.50



Brushes

Flex-Hone Brush 320grit

CHF
Net Price

S-113052	Ø19,05mm x 63,5mm●total length 139,7mm.....	1 piece 32.--
S-113053	Ø22,23mm x 63,5mm●total length 152,4mm.....	1 piece 32.--
S-113054	Ø25,4mm x 63,5mm●total length 152,4mm.....	1 piece 32.--
S-113055	Ø28,6mm x 63,5mm●total length 152,4mm.....	1 piece 34.--

Silicone-Carbide●for finishing the inside of valve-casing



Flex-Hone 240grit

CHF
Net Price

S-113103	Ø16mm x ±65mm●total length ±205mm.....	49.--
S-113104	Ø22,2mm x ±75mm●total length ±205mm.....	52.--
S-113105	Ø25,4mm x ±75mm●total length ±205mm.....	55.--
S-113106	Ø28,6mm x ±75mm●total length ±205mm.....	58.--
S-113107	Ø35mm x ±80mm●total length ±205mm.....	64.--

Aluminium-Oxyd●elastic, flexible, cylindrical honing tool●use with oil
recommended drive 700-900 RPM●do not use solvent



Flex-Hone 240grit for trombone-slide

CHF
Net Price

S-113101	Ø15,9mm x ±80mm●total length ±846mm.....	86.--
S-113102	Ø19mm x ±80mm●total length ±846mm.....	86.--

Aluminium-Oxyd●elastic, flexible, cylindrical honing tool●use with oil
recommended drive 700-900 RPM●do not use solvent