

FAST MOVING TECHNOLOGY

*STÄUBLI*

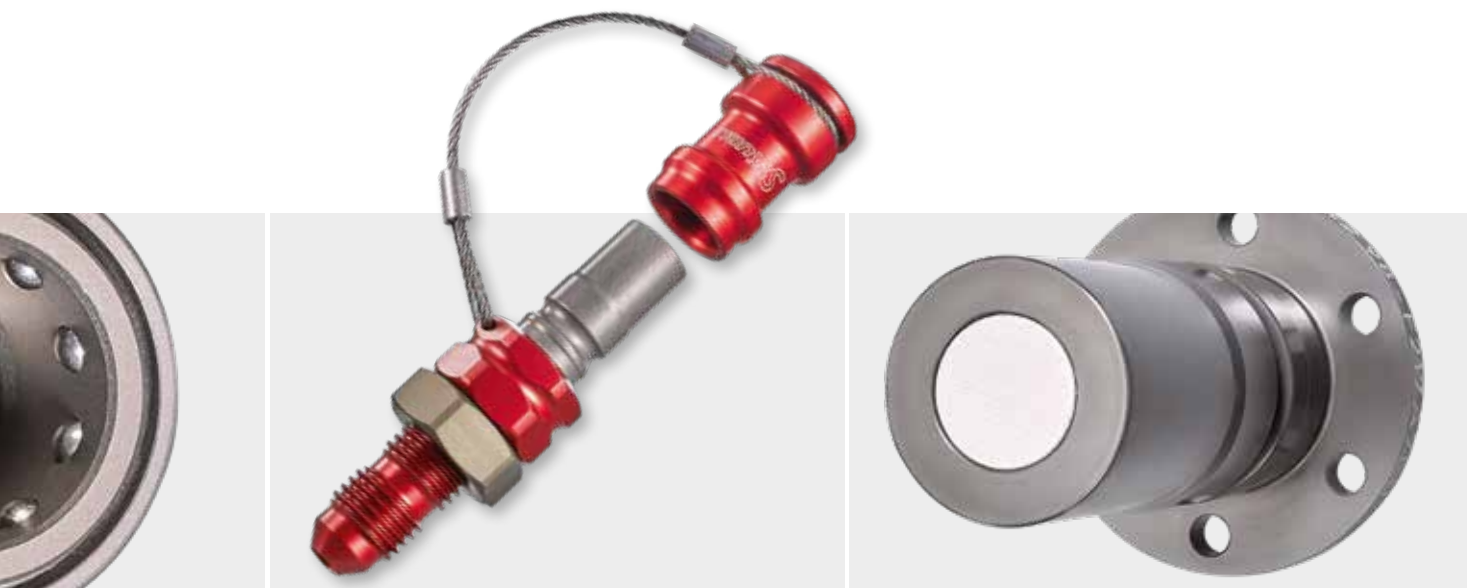
# SPT quick coupling

Fuel Line Connections | Motorsports





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# Stäubli technology: dedicated to performance

## Optimal flow

Valve design ensures optimal flow with a minimal outer diameter.

## Compact and lightweight

Compact size and lightweight design, combined with high strength aluminium construction, provides optimal performance.

## Fluid compatibility

- All types of fuel
- Ethanol
- Oil

## Safety break-away

Lanyard release feature ensures a safe fuel line break-away in a crash situation.

## Non-spill

Flush-face design ensures no leakage on disconnection.

## Rallye Raid version (SPT 12)

Designed for refuelling in the particularly dusty conditions of Rallye Raid events:

- Tight aluminium cap to protect the plug
- Rubber cap and sleeve to protect the socket against dust and sand
- FIA approved

## Applications

Quick release couplings for fuel applications



## TECHNICAL CHARACTERISTICS

	SPT 05	SPT 08	SPT 12	SPT 12 Rallye Raid
Nominal diameter DN (mm)	05	08	12	12
Maximum allowable pressure PS (bar)	40	20	20	20
Cross section (mm <sup>2</sup> )	19.6	50.2	113	113
Shut-off system	Double	Double	Double	Double
Safety break-away option	x	x	x	-

## Select your couplings

	Motorbike	Car		
	SPT 05	SPT 05	SPT 08	SPT 12
Safety break-away	x	x	x	-
Fuel connection	x	x	x	-
Fuel sampling	x	x	x	-
Refuelling	-	-	-	x
Rallye Raid version	-	-	-	x



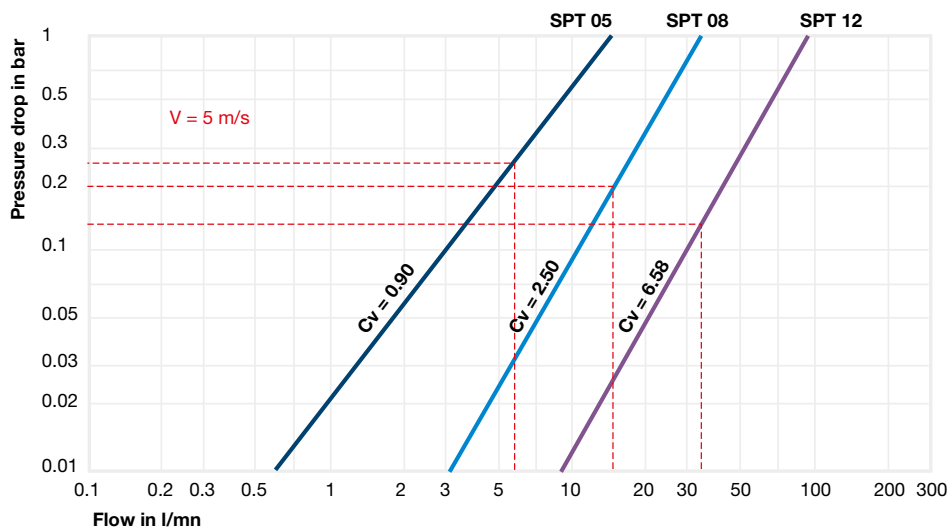
## Construction

### High strength aluminium

### Seals:

- JKV version: Perfluoroelastomer in the flow path (other: Fluorosiliconelastomer)
- JV version: Fluorocarbon

## Hydraulic charts flow rate / pressure drop



### SPT 05

Socket: SPT05.1655/L/JV  
Plug: SPT05.7655/L/JV

### SPT 08

Socket: SPT08.3656/L/JV  
Plug: SPT08.7656/L/JV

### SPT 12 / SPT 12 RALLYE RAID

Socket: SPT12.1658/L/JV/PP/BC  
Plug: N01042803

### Test conditions

- Water
- Viscosity: 1.08 cSt
- Density: 0.998g/cc
- Flow direction: Plug to Socket

## Rubber cap for plugs

SPT 05	SPT 08	SPT 12
SPT05.8550	SPT08.8550	SPT12.8550




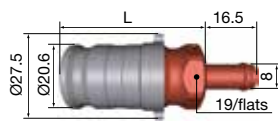
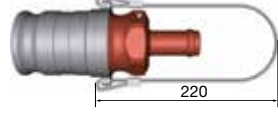
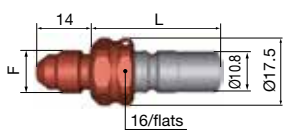
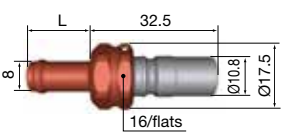
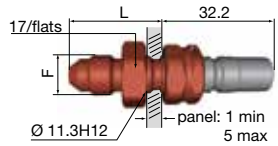
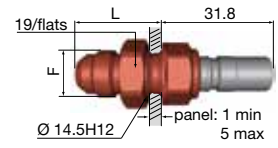
## Aluminium cap for plugs

SPT 05	SPT 08	SPT 12
N01115609	N00364308	N00349405



PART NUMBERS

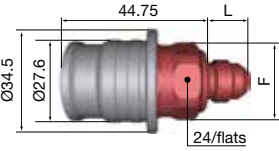
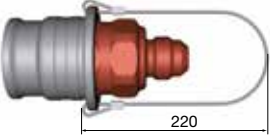
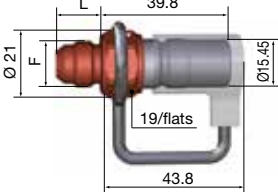
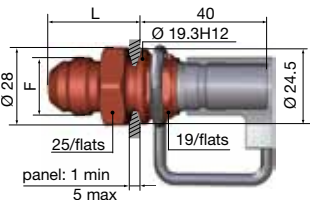
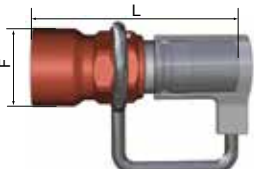
# SPT 05

SPT 05	Threads F	L (mm)	Weight (g)	JV	JKV
<b>Male thread socket</b> 	UNF 7/16 - 20" JIC DASH 04	41.5	30	SPT 05.1653/L/JV	SPT 05.1653/L/JKV
	UNF 9/16 - 18" JIC DASH 06	40.2	31	SPT 05.1655/L/JV	SPT 05.1655/L/JKV
<b>Male thread socket with safety break-away lanyard</b> 	UNF 7/16 - 20" JIC DASH 04	-	34	SPT 05.3653/L/JV	SPT 05.3653/L/JKV
	UNF 9/16 - 18" JIC DASH 06	-	35	SPT 05.3655/L/JV	SPT 05.3655/L/JKV
<b>Socket for hose</b> 	hose 08 (mm)	41.5	29	SPT 05.1808/L/JV/RG	SPT 05.1808/L/JKV/RG
<b>Socket for hose with safety break away lanyard</b> 	hose 08 (mm)	-	32.5	SPT 05.3808/L/JV/RG	SPT 05.3808/L/JKV/RG
<b>Male thread plug*</b> 	UNF 7/16 - 20" JIC DASH 04	32.5	10	SPT 05.7653/L/JV	SPT 05.7653/L/JKV
	UNF 9/16 - 18" JIC DASH 06	31.8	11	SPT 05.7655/L/JV	SPT 05.7655/L/JKV
<b>Plug for hose*</b> 	hose 08 (mm)	16.5	9	SPT 05.7808/L/JV/RG	SPT 05.7808/L/JKV/RG
<b>Panel mounted plug</b>  	UNF 7/16 - 20" JIC DASH 04	25.7	15.5	SPT 05.5653/L/JV	SPT 05.5653/L/JKV
	UNF 9/16 - 18" JIC DASH 06	26	17.5	SPT 05.5655/L/JV	SPT 05.5655/L/JKV

\*Plugs available with aluminium dust cap: add /BM at the end of the part number.

**PART NUMBERS**

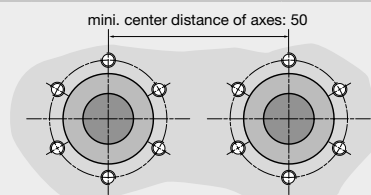
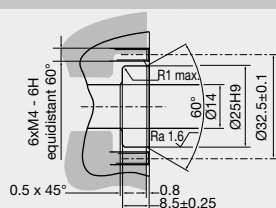
# SPT 08 & SPT 12

SPT 08	Threads F	L (mm)	Weight (g)	JV	JKV
<b>Male thread socket</b> 	UNF 9/16 - 18" JIC DASH 06	14	49	<b>SPT 08.1655/L/JV</b>	<b>SPT 08.1655/L/JKV</b>
	UNF 3/4 - 16" JIC DASH 08	16.7	53.5	<b>SPT 08.1656/L/JV</b>	<b>SPT 08.1656/L/JKV</b>
<b>Male thread socket with safety break-away lanyard</b> 	UNF 9/16 - 18" JIC DASH 06	14	53	<b>SPT 08.3655/L/JV</b>	<b>SPT 08.3655/L/JKV</b>
	UNF 3/4 - 16" JIC DASH 08	16.7	57.5	<b>SPT 08.3656/L/JV</b>	<b>SPT 08.3656/L/JKV</b>
<b>Male thread plug with rubber tight dust cap*</b> 	UNF 9/16 - 18" JIC DASH 06	14	18	<b>SPT 08.7655/L/JV</b>	<b>SPT 08.7655/L/JKV</b>
	UNF 3/4 - 16" JIC DASH 08	16.7	21.5	<b>SPT 08.7656/L/JV</b>	<b>SPT 08.7656/L/JKV</b>
<b>Panel mounted plug</b> 	UNF 9/16 - 18" JIC DASH 06	27	32.5	<b>SPT 08.5655/L/JV</b>	<b>SPT 08.5655/L/JKV</b>
	UNF 3/4 - 16" JIC DASH 08	30	35.5	<b>SPT 08.5656/L/JV</b>	<b>SPT 08.5656/L/JKV</b>
<b>Female thread plug</b> 	UNF 9/16 - 18" JIC DASH 06	53.8	20	<b>SPT 08.7355/L/JV</b>	<b>SPT 08.7355/L/JKV</b>
	UNF 3/4 - 16" JIC DASH 08	58.9	23.5	<b>SPT 08.7356/L/JV</b>	<b>SPT 08.7356/L/JKV</b>

\*Plugs available with aluminium dust cap: add /BM at the end of the part number.

SPT 12	Threads F	L (mm)	Weight (g)	JV	JKV
<b>Male thread socket</b> 	UNF 7/8 - 14" JIC DASH 10	19	178.5	<b>SPT 12.1657/L/JV</b>	<b>SPT 12.1657/L/JKV</b>
	UNF 1 1/16 - 12" JIC DASH 12	21.9	183	<b>SPT 12.1658/L/JV</b>	<b>SPT 12.1658/L/JKV</b>
<b>Male thread socket</b> 	M 35 x 1.5	-	132	<b>N 009 161 98</b>	<b>N 010 830 07</b>
<b>Male thread plug</b> 	UNF 7/8 - 14" JIC DASH 12	19	72	<b>SPT 12.7657/L/JV</b>	<b>SPT 12.7657/L/JKV</b>
	UNF 1 1/16 - 12" JIC DASH 10	21.9	78	<b>SPT 12.7658/L/JV</b>	<b>SPT 12.7658/L/JKV</b>
<b>Non-threaded plug</b> 	No thread	-	60	<b>N 009 162 98</b>	<b>N 010 831 07</b>
<b>Panel mounted plug</b> 	UNF 7/8 - 14" JIC DASH 10	36	107	<b>SPT 12.5657/L/JV</b>	<b>SPT 12.5657/L/JKV</b>
	UNF 1 1/16 - 12" JIC DASH 12	39	103	<b>SPT 12.5658/L/JV</b>	<b>SPT 12.5658/L/JKV</b>
<b>SPT 12 rallye raid</b>	<b>Threads F</b>	<b>L (mm)</b>	<b>Weight (g)</b>	<b>JV</b>	<b>JKV</b>
<b>Male thread socket</b> 	UNF 1 1/16 - 12" JIC DASH 12	-	220	<b>SPT 12.1658/L/JV/PP/BC</b>	<b>SPT 12.1658/L/JKV/PP/BC</b>
<b>Non-threaded plug</b> 	No thread	-	99	<b>N 010 428 03</b>	<b>N 012 223 07</b>

**Plug assembly requirements for non threaded plugs SPT 12**



We reserve the right to modify product specifications without prior notice.



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