

FAST MOVING TECHNOLOGY

STÄUBLI

Quick Coupling SPT

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 aluminum 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.

Rally Raid version (SPT 12)

Designed for refueling in the particularly dusty conditions of Rally Raid events:

- Tight aluminum 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 Rally Raid
Nominal diameter DN (in.)	3/16"	5/16"	1/2"	1/2"
Maximum allowable pressure PS (Psi)	580 psi	290 psi	290 psi	290 psi
Cross section (in. ²)	0.030	0.078	0.175	0.175
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



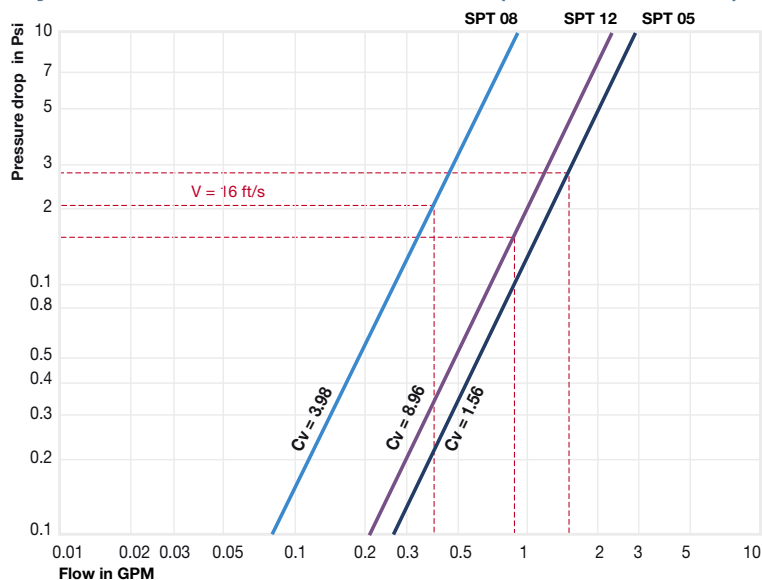
Construction

High strength aluminum

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

Socket: SPT12.1658/L/JV
Plug: SPT12.7656/L/JV

Test conditions

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

Rubber cap for plugs

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



aluminum cap for plugs

SPT 05	SPT 08	SPT 12
N01115609	N00364308	N00349405



PART NUMBERS

SPT 05

SPT 05	Threads F	L (in.)	Weight (oz)	JV	JKV
Male thread socket 	UNF 7/16 - 20" JIC DASH 04	1.63	1.058	SPT 05.1653/L/JV	SPT 05.1653/L/JKV
	UNF 9/16 - 18" JIC DASH 06	1.58	1.093	SPT 05.1655/L/JV	SPT 05.1655/L/JKV
Male thread socket with safety break-away lanyard 	UNF 7/16 - 20" JIC DASH 04	-	1.199	SPT 05.3653/L/JV	SPT 05.3653/L/JKV
	UNF 9/16 - 18" JIC DASH 06	-	1.235	SPT 05.3655/L/JV	SPT 05.3655/L/JKV
Socket for hose 	hose 5/16"	1.70	1.023	SPT 05.1808/L/JV/RG	SPT 05.1808/L/JKV/RG
Socket for hose with safety break away lanyard 	hose 5/16"	-	1.146	SPT 05.3808/L/JV/RG	SPT 05.3808/L/JKV/RG
Male thread plug* 	UNF 7/16 - 20" JIC DASH 04	1.28	0.353	SPT 05.7653/L/JV	SPT 05.7653/L/JKV
	UNF 9/16 - 18" JIC DASH 06	1.25	0.388	SPT 05.7655/L/JV	SPT 05.7655/L/JKV
Plug for hose* 	hose 5/16"	0.65	0.317	SPT 05.7808/L/JV/RG	SPT 05.7808/L/JKV/RG
Panel mounted plug  	UNF 7/16 - 20" JIC DASH 04	1.01	0.547	SPT 05.5653/L/JV	SPT 05.5653/L/JKV
	UNF 9/16 - 18" JIC DASH 06	1.02	0.617	SPT 05.5655/L/JV	SPT 05.5655/L/JKV

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

PART NUMBERS

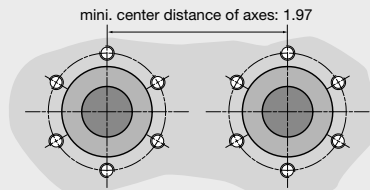
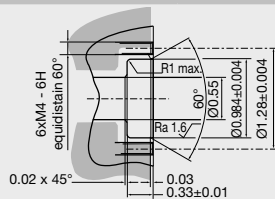
SPT 08 & SPT 12

SPT 08	Threads F	L (in.)	Weight (oz)	JV	JKV
Male thread socket 	UNF 9/16 - 18" JIC DASH 06	0.55	1.728	SPT 08.1655/L/JV	SPT 08.1655/L/JKV
	UNF 3/4 - 16" JIC DASH 08	0.66	1.887	SPT 08.1656/L/JV	SPT 08.1656/L/JKV
Male thread socket with safety break-away lanyard 	UNF 9/16 - 18" JIC DASH 06	0.55	1.870	SPT 08.3655/L/JV	SPT 08.3655/L/JKV
	UNF 3/4 - 16" JIC DASH 08	0.66	2.028	SPT 08.3656/L/JV	SPT 08.3656/L/JKV
Male thread plug with rubber tight dust cap* 	UNF 9/16 - 18" JIC DASH 06	0.55	0.494	SPT 08.7655/L/JV	SPT 08.7655/L/JKV
	UNF 3/4 - 16" JIC DASH 08	0.66	0.758	SPT 08.7656/L/JV	SPT 08.7656/L/JKV
Panel mounted plug 	UNF 9/16 - 18" JIC DASH 06	1.06	1.146	SPT 08.5655/L/JV	SPT 08.5655/L/JKV
	UNF 3/4 - 16" JIC DASH 08	1.18	1.252	SPT 08.5656/L/JV	SPT 08.5656/L/JKV
Female thread plug 	UNF 9/16 - 18" JIC DASH 06	2.12	0.705	SPT 08.7355/L/JV	SPT 08.7355/L/JKV
	UNF 3/4 - 16" JIC DASH 08	2.32	0.829	SPT 08.7356/L/JV	SPT 08.7356/L/JKV

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

SPT 12	Threads F	L (in.)	Weight (oz)	JV	JKV
Male thread socket 	UNF 7/8 - 14" JIC DASH 10	0.75	6.296	SPT 12.1657/L/JV	SPT 12.1657/L/JKV
	UNF 1 1/16 - 12" JIC DASH 12	0.86	6.455	SPT 12.1658/L/JV	SPT 12.1658/L/JKV
Male thread socket 	M 35 x 1.5	-	4.656	N 009 161 98	N 010 830 07
Male thread plug 	UNF 7/8 - 14" JIC DASH 10	0.75	2.540	SPT 12.7657/L/JV	SPT 12.7657/L/JKV
	UNF 1 1/16 - 12" JIC DASH 12	0.86	2.751	SPT 12.7658/L/JV	SPT 12.7658/L/JKV
Non-threaded plug 	No thread	-	2.116	N 009 162 98	N 010 831 07
Panel mounted plug 	UNF 7/8 - 14" JIC DASH 10	1.42	3.774	SPT 12.5657/L/JV	SPT 12.5657/L/JKV
	UNF 1 1/16 - 12" JIC DASH 12	1.54	3.633	SPT 12.5658/L/JV	SPT 12.5658/L/JKV
SPT 12 rallye raid	Threads F	L (mm)	Weight (oz)	JV	JKV
Male thread socket 	UNF 1 1/16 - 12" JIC DASH 12	-	7.760	SPT 12.1658/L/JV/ PP/BC	SPT 12.1658/L/JKV/ PP/BC
Non-threaded plug 	No thread	-	3.492	N 010 428 03	N 012 223 07

Plug assembly requirements for non threaded plugs SPT 12



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



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