POPPET SCREW - STC SERIES

BSPP



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FOR 3D SECTION

TECHNICAL FEATURES AND OPTIONS

Locking Mechanism
Screw to Connect

Flow Rate
Up to 189 l / min

Material
Carbon Steel
Stainless Steel

Working Temperature
-20 °C / +100 °C

Interchange
ISO 14541

How to Connect
Screw

Operating Pressure
Up to 350 Bar

Available Threads
BSPP

Under Residual Pressure
Connetion: Both Side
Disconnection: Allowed

Available Sizes
From 1/4" to 1"

Sealing Description
NBR - FKM

Valve Type
Popet

MAIN APPLICATIONS

OIL & GAS
AGRICULTURE
HYDRAULIC INDUSTRY
EARTH MOVING
HYDRAULIC EQUIPMENT
CONCRETE VEHICLES
VEHICLES
CHEMICAL INDUSTRY

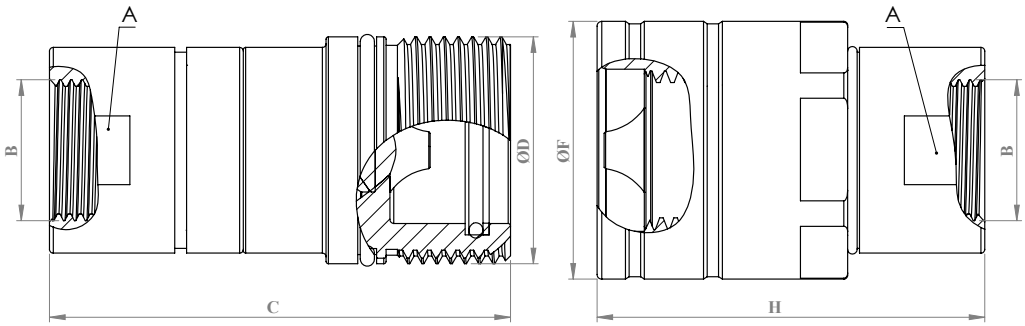
INFORMATION

· Connection under residual pressure is allowed on both sides.
· Disconnection under residual pressure is allowed.
· Top quality elastomer seals provide maximum sealing.
· The external sealing ring ensures a solid connection and prevents disconnection due to vibration.
· The design prevents pressure drops and turbulences.
· Durable, safe, compact and easy to use design.
· Please clean the mating surfaces thoroughly before connecting, in order to prevent contaminants to enter into the system.
· Please make sure that the male and female parts are aligned properly to achive full connection.

WARNING

· Connection and disconnection under dynamic pressure is not allowed.
· Connection and disconnection is not allowed when the temperature of the circulating fluid is above 80°C / 176°F.
· Make sure the system pressure is below the maximum working pressure.
· Please ensure that the OLEOCON product you have chosen is compatible with the temperature , material and pressure requirements of your system.
· Please contact OLEOCON technical support for any further questions.

TECHNICAL DRAWING



BODY SIZE	DESCRIPTION	COUPLING GENDER	THREAD TYPE	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
					mm	inch			mm	inch		mm	inch	kg	lbs
6,3	STC-6A-G14	FEMALE	BSPP	A	17	0,66	1/4 "	D	M24*2	-	C	61,7	2,42	0,22	0,28
	STC-6B-G14	MALE	BSPP	E	30	1,18	1/4"	F	34	-	H	59	2,32	0,13	0,48
10	STC-10A-G38	FEMALE	BSPP	A	22	0,86	3/8"	D	M28*2	-	C	62,9	2,47	0,2	0,37
	STC-10B-G38	MALE	BSPP	E	30	1,18	3/8"	F	34	-	H	60,5	2,38	0,17	0,48
12,5	STC-12A-G12	FEMALE	BSPP	A	27	1,06	1/2"	D	M36*2	-	C	69	2,71	0,31	0,66
	STC-12B-G12	MALE	BSPP	E	36	1,41	1/2"	F	42,1	-	H	63,8	2,51	0,3	0,66
19	STC-20A-G34	FEMALE	BSPP	A	32	1,25	3/4"	D	M42*2	-	C	85,5	3,36	0,48	1,05
	STC-20B-G34	MALE	BSPP	E	41	1,61	3/4"	F	48,5	-	H	76	2,99	0,46	1,01
25	STC-25A-G1	FEMALE	BSPP	A	41	1,61	1"	D	M48*3	-	C	97,5	3,83	0,69	1,51
	STC-25B-G1	MALE	BSPP	E	50	1,96	1"	F	54,5	-	H	82	3,22	0,66	1,45

ISO 1179-1

BODY SIZE	WORKING PRESSURE						BURST PRESSURE					
	COUPLE		FEMALE		MALE		COUPLE		FEMALE		MALE	
	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI
6	35	5075	35	5075	35	5075	140	20300	140	20300	140	20300
10	30	4350	30	4350	30	4350	120	17400	120	17400	120	17400
12,5	30	4350	30	4350	30	4350	120	17400	120	17400	120	17400
19	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
25	20	2900	20	2900	20	2900	80	11600	80	11600	80	11600

BODY SIZE	RATED FLOW			FLUID LOSS PER DISCONNECT	CONNECTING FORCE		DISCONNECTING FORCE	
	PRES.DROP (kPa)	L/MIN	GPM	ml	N	lbf	N	lbf
6	250	12	2,64	0,8	1	0,74	0,5	0,37
10	200	23	5,06	1,4	1	0,74	0,5	0,37
12,5	150	45	9,91	2,7	1,5	1,11	1,2	0,88
19	220	106	23,34	9,3	2,5	1,84	2,2	1,62
25	270	189	41,62	15	3	2,22	2,5	1,84