

● Standard type model number list

● : Model availability

Thread size	Model		Model number	Minimum orifice diameter [mm]	Flow rate [L/min] at following pressure [MPa]								Spray angle at following pressure [MPa]					
	Thread type	Welding type			0.05	0.1	0.2	0.3	0.5	0.7	1.0	1.5	0.1	0.2	0.3	0.5	1.0	1.5
1/4 3/8	●	●	00615	0.7	0.24	0.35	0.49	0.60	0.77	0.92	1.10	1.34	5°	11°	15°	17°	19°	19°
	●	●	00625	0.7	0.24	0.35	0.49	0.60	0.77	0.92	1.10	1.34	13°	21°	25°	28°	30°	30°
	●	●	00640	0.6	0.24	0.35	0.49	0.60	0.77	0.92	1.10	1.34	26°	35°	40°	44°	46°	46°
	●	●	00650	0.5	0.24	0.35	0.49	0.60	0.77	0.92	1.10	1.34	35°	45°	50°	54°	57°	57°
	●	●	00665	0.5	0.24	0.35	0.49	0.60	0.77	0.92	1.10	1.34	48°	59°	65°	70°	73°	73°
	●	●	00680	0.4	0.24	0.35	0.49	0.60	0.77	0.92	1.10	1.34	62°	73°	80°	85°	88°	88°
	●	●	00815	0.8	0.33	0.46	0.65	0.80	1.03	1.22	1.46	1.79	7°	12°	15°	17°	19°	19°
	●	●	00825	0.8	0.33	0.46	0.65	0.80	1.03	1.22	1.46	1.79	14°	21°	25°	28°	30°	30°
	●	●	00840	0.7	0.33	0.46	0.65	0.80	1.03	1.22	1.46	1.79	27°	35°	40°	44°	46°	46°
	●	●	00850	0.6	0.33	0.46	0.65	0.80	1.03	1.22	1.46	1.79	36°	45°	50°	54°	57°	57°
	●	●	00865	0.5	0.33	0.46	0.65	0.80	1.03	1.22	1.46	1.79	49°	59°	65°	70°	73°	73°
	●	●	00880	0.5	0.33	0.46	0.65	0.80	1.03	1.22	1.46	1.79	64°	74°	80°	85°	88°	88°
	●	●	0115	0.9	0.41	0.58	0.82	1.00	1.29	1.53	1.83	2.2	7°	12°	15°	17°	19°	19°
	●	●	0125	0.9	0.41	0.58	0.82	1.00	1.29	1.53	1.83	2.2	14°	21°	25°	28°	30°	30°
	●	●	0140	0.8	0.41	0.58	0.82	1.00	1.29	1.53	1.83	2.2	27°	36°	40°	44°	46°	46°
	●	●	0150	0.7	0.41	0.58	0.82	1.00	1.29	1.53	1.83	2.2	36°	45°	50°	54°	57°	57°
	●	●	0165	0.7	0.41	0.58	0.82	1.00	1.29	1.53	1.83	2.2	49°	59°	65°	70°	73°	73°
	●	●	0180	0.6	0.41	0.58	0.82	1.00	1.29	1.53	1.83	2.2	64°	74°	80°	85°	88°	88°
	●	●	01515	1.1	0.61	0.87	1.22	1.50	1.94	2.3	2.7	3.4	9°	13°	15°	17°	19°	19°
	●	●	01525	1.0	0.61	0.87	1.22	1.50	1.94	2.3	2.7	3.4	14°	21°	25°	28°	30°	30°
	●	●	01540	0.9	0.61	0.87	1.22	1.50	1.94	2.3	2.7	3.4	28°	36°	40°	44°	46°	46°
	●	●	01550	0.8	0.61	0.87	1.22	1.50	1.94	2.3	2.7	3.4	36°	45°	50°	54°	57°	57°
	●	●	01565	0.7	0.61	0.87	1.22	1.50	1.94	2.3	2.7	3.4	50°	59°	65°	70°	73°	73°
	●	●	01580	0.6	0.61	0.87	1.22	1.50	1.94	2.3	2.7	3.4	65°	74°	80°	85°	88°	88°
	●	●	0215	1.3	0.82	1.15	1.63	2.0	2.6	3.1	3.7	4.5	9°	13°	15°	17°	19°	19°
	●	●	0225	1.2	0.82	1.15	1.63	2.0	2.6	3.1	3.7	4.5	14°	21°	25°	28°	30°	30°
	●	●	0240	1.1	0.82	1.15	1.63	2.0	2.6	3.1	3.7	4.5	28°	36°	40°	44°	46°	46°
	●	●	0250	1.0	0.82	1.15	1.63	2.0	2.6	3.1	3.7	4.5	38°	46°	50°	54°	57°	57°
	●	●	0265	0.9	0.82	1.15	1.63	2.0	2.6	3.1	3.7	4.5	50°	60°	65°	70°	73°	73°
	●	●	0280	0.8	0.82	1.15	1.63	2.0	2.6	3.1	3.7	4.5	65°	74°	80°	85°	88°	88°
	●	●	0315	1.6	1.22	1.73	2.4	3.0	3.9	4.6	5.5	6.7	10°	13°	15°	17°	19°	19°
	●	●	0325	1.5	1.22	1.73	2.4	3.0	3.9	4.6	5.5	6.7	16°	22°	25°	28°	30°	30°
	●	●	0340	1.4	1.22	1.73	2.4	3.0	3.9	4.6	5.5	6.7	30°	37°	40°	44°	46°	46°
	●	●	0350	1.3	1.22	1.73	2.4	3.0	3.9	4.6	5.5	6.7	38°	45°	50°	54°	57°	57°
	●	●	0365	1.2	1.22	1.73	2.4	3.0	3.9	4.6	5.5	6.7	50°	59°	65°	70°	73°	73°
	●	●	0380	1.0	1.22	1.73	2.4	3.0	3.9	4.6	5.5	6.7	65°	74°	80°	85°	88°	88°
	●	●	0415	1.8	1.63	2.3	3.3	4.0	5.2	6.1	7.3	8.9	10°	13°	15°	17°	19°	19°
	●	●	0425	1.7	1.63	2.3	3.3	4.0	5.2	6.1	7.3	8.9	17°	22°	25°	28°	30°	30°
	●	●	0440	1.6	1.63	2.3	3.3	4.0	5.2	6.1	7.3	8.9	31°	37°	40°	44°	45°	45°
	●	●	0450	1.5	1.63	2.3	3.3	4.0	5.2	6.1	7.3	8.9	40°	46°	50°	54°	57°	57°
	●	●	0465	1.3	1.63	2.3	3.3	4.0	5.2	6.1	7.3	8.9	53°	60°	65°	70°	73°	73°
	●	●	0480	1.2	1.63	2.3	3.3	4.0	5.2	6.1	7.3	8.9	67°	75°	80°	85°	88°	88°
	●	●	0515	2.0	2.0	2.9	4.1	5.0	6.5	7.6	9.1	11.2	10°	13°	15°	17°	19°	19°
	●	●	0525	1.9	2.0	2.9	4.1	5.0	6.5	7.6	9.1	11.2	17°	22°	25°	28°	30°	30°
	●	●	0540	1.8	2.0	2.9	4.1	5.0	6.5	7.6	9.1	11.2	31°	37°	40°	44°	45°	45°
	●	●	0550	1.7	2.0	2.9	4.1	5.0	6.5	7.6	9.1	11.2	40°	46°	50°	54°	57°	57°
	●	●	0565	1.5	2.0	2.9	4.1	5.0	6.5	7.6	9.1	11.2	53°	60°	65°	70°	73°	73°
	●	●	0580	1.4	2.0	2.9	4.1	5.0	6.5	7.6	9.1	11.2	67°	75°	80°	85°	88°	88°
●	●	0615	2.2	2.4	3.5	4.9	6.0	7.7	9.2	11.0	13.4	10°	13°	15°	17°	19°	19°	
●	●	0625	2.1	2.4	3.5	4.9	6.0	7.7	9.2	11.0	13.4	17°	22°	25°	28°	30°	30°	
●	●	0640	2.0	2.4	3.5	4.9	6.0	7.7	9.2	11.0	13.4	31°	37°	40°	44°	46°	46°	
●	●	0650	1.9	2.4	3.5	4.9	6.0	7.7	9.2	11.0	13.4	40°	46°	50°	54°	57°	57°	
●	●	0665	1.7	2.4	3.5	4.9	6.0	7.7	9.2	11.0	13.4	53°	60°	65°	70°	73°	73°	
●	●	0680	1.5	2.4	3.5	4.9	6.0	7.7	9.2	11.0	13.4	67°	75°	80°	85°	88°	88°	
●	●	0815	2.6	3.3	4.6	6.5	8.0	10.3	12.2	14.6	17.9	10°	13°	15°	17°	19°	19°	
●	●	0825	2.5	3.3	4.6	6.5	8.0	10.3	12.2	14.6	17.9	17°	22°	25°	28°	30°	30°	
●	●	0840	2.3	3.3	4.6	6.5	8.0	10.3	12.2	14.6	17.9	31°	37°	40°	43°	45°	45°	
●	●	0850	2.2	3.3	4.6	6.5	8.0	10.3	12.2	14.6	17.9	40°	46°	50°	54°	56°	56°	
●	●	0865	2.0	3.3	4.6	6.5	8.0	10.3	12.2	14.6	17.9	53°	60°	65°	70°	72°	72°	
●	●	0880	1.8	3.3	4.6	6.5	8.0	10.3	12.2	14.6	17.9	67°	75°	80°	85°	87°	87°	

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●: Model availability

Thread size	Model		Model number	Minimum orifice diameter [mm]	Flow rate [L/min] at following pressure [MPa]								Spray angle at following pressure [MPa]					
	Thread type	Welding type			0.05	0.1	0.2	0.3	0.5	0.7	1.0	1.5	0.1	0.2	0.3	0.5	1.0	1.5
	KSA	KSAM																
1/4 3/8	●	●	1015	3.1	4.1	5.8	8.2	10.0	12.9	15.3	18.3	22.4	10°	13°	15°	17°	19°	19°
	●	●	1025	2.9	4.1	5.8	8.2	10.0	12.9	15.3	18.3	22.4	17°	22°	25°	28°	30°	30°
	●	●	1040	2.7	4.1	5.8	8.2	10.0	12.9	15.3	18.3	22.4	31°	37°	40°	43°	45°	45°
	●	●	1050	2.5	4.1	5.8	8.2	10.0	12.9	15.3	18.3	22.4	40°	46°	50°	54°	56°	56°
	●	●	1065	2.3	4.1	5.8	8.2	10.0	12.9	15.3	18.3	22.4	54°	61°	65°	69°	71°	71°
	●	●	1080	2.0	4.1	5.8	8.2	10.0	12.9	15.3	18.3	22.4	68°	76°	80°	84°	86°	86°
	●	●	1515	3.8	6.1	8.7	12.2	15.0	19.4	22.9	27.4	33.5	10°	13°	15°	17°	19°	19°
	●	●	1525	3.6	6.1	8.7	12.2	15.0	19.4	22.9	27.4	33.5	17°	22°	25°	28°	30°	30°
	●	●	1540	3.4	6.1	8.7	12.2	15.0	19.4	22.9	27.4	33.5	31°	37°	40°	43°	45°	45°
	●	●	1550	3.2	6.1	8.7	12.2	15.0	19.4	22.9	27.4	33.5	40°	46°	50°	54°	56°	56°
	●	●	1565	2.9	6.1	8.7	12.2	15.0	19.4	22.9	27.4	33.5	54°	61°	65°	69°	71°	71°
	●	●	1580	2.6	6.1	8.7	12.2	15.0	19.4	22.9	27.4	33.5	68°	76°	80°	84°	86°	86°
	●	●	2015	4.3	8.2	11.5	16.3	20.0	25.8	30.6	36.5	44.7	10°	13°	15°	17°	19°	19°
	●	●	2025	4.1	8.2	11.5	16.3	20.0	25.8	30.6	36.5	44.7	17°	22°	25°	28°	30°	30°
	●	●	2040	3.9	8.2	11.5	16.3	20.0	25.8	30.6	36.5	44.7	31°	37°	40°	43°	45°	45°
	●	●	2050	3.7	8.2	11.5	16.3	20.0	25.8	30.6	36.5	44.7	40°	46°	50°	54°	56°	56°
	●	●	2065	3.4	8.2	11.5	16.3	20.0	25.8	30.6	36.5	44.7	54°	61°	65°	69°	71°	71°
	●	●	2080	3.1	8.2	11.5	16.3	20.0	25.8	30.6	36.5	44.7	68°	76°	80°	84°	86°	86°
	●		2515	4.7	10.2	14.4	20.4	25.0	32.3	38.2	45.6	55.9	10°	13°	15°	17°	19°	19°
	●		2525	4.5	10.2	14.4	20.4	25.0	32.3	38.2	45.6	55.9	17°	22°	25°	28°	30°	30°
	●		2540	4.3	10.2	14.4	20.4	25.0	32.3	38.2	45.6	55.9	31°	37°	40°	43°	45°	45°
	●		2550	4.1	10.2	14.4	20.4	25.0	32.3	38.2	45.6	55.9	40°	46°	50°	54°	56°	56°
	●		2565	3.8	10.2	14.4	20.4	25.0	32.3	38.2	45.6	55.9	54°	61°	65°	69°	71°	71°
	●		2580	3.6	10.2	14.4	20.4	25.0	32.3	38.2	45.6	55.9	68°	76°	80°	84°	86°	86°
	●		3015	5.0	12.2	17.3	24.5	30.0	38.7	45.8	54.8	67.1	10°	13°	15°	17°	19°	19°
	●		3025	4.8	12.2	17.3	24.5	30.0	38.7	45.8	54.8	67.1	17°	22°	25°	28°	30°	30°
	●		3040	4.6	12.2	17.3	24.5	30.0	38.7	45.8	54.8	67.1	31°	37°	40°	43°	45°	45°
	●		3050	4.4	12.2	17.3	24.5	30.0	38.7	45.8	54.8	67.1	40°	46°	50°	54°	56°	56°
	●		3065	4.2	12.2	17.3	24.5	30.0	38.7	45.8	54.8	67.1	54°	61°	65°	69°	71°	71°
	●		3080	3.9	12.2	17.3	24.5	30.0	38.7	45.8	54.8	67.1	68°	76°	80°	84°	86°	86°
1/2 3/4	●		4050	5.2	16.3	23.1	32.7	40.0	51.6	61.1	73.0	89.4	41°	46°	50°	54°	56°	56°
	●		4065	4.9	16.3	23.1	32.7	40.0	51.6	61.1	73.0	89.4	55°	61°	65°	69°	71°	71°
	●		4080	4.6	16.3	23.1	32.7	40.0	51.6	61.1	73.0	89.4	69°	76°	80°	84°	86°	86°
	●		5050	5.6	20.4	28.9	40.8	50.0	64.5	76.4	91.3	112	41°	46°	50°	53°	55°	55°
	●		5065	5.3	20.4	28.9	40.8	50.0	64.5	76.4	91.3	112	55°	61°	65°	68°	70°	70°
	●		5080	5.0	20.4	28.9	40.8	50.0	64.5	76.4	91.3	112	69°	76°	80°	83°	85°	85°
	●		6050	6.2	24.5	34.6	49.0	60.0	77.5	91.7	110	134	41°	46°	50°	53°	55°	55°
	●		6065	5.9	24.5	34.6	49.0	60.0	77.5	91.7	110	134	55°	61°	65°	68°	70°	70°
	●		6080	5.5	24.5	34.6	49.0	60.0	77.5	91.7	110	134	70°	76°	80°	83°	85°	85°
	●		7550	7.0	30.6	43.3	61.2	75.0	96.8	115	137	168	41°	46°	50°	53°	55°	55°
	●		7565	6.7	30.6	43.3	61.2	75.0	96.8	115	137	168	55°	61°	65°	68°	70°	70°
	●		7580	6.4	30.6	43.3	61.2	75.0	96.8	115	137	168	70°	76°	80°	83°	85°	85°