



Zone 1

Zone 2

Zone 21

Zone 22

**IP66
IP68**

Protection

- Ex db IIC Gb
- Ex eb IIC Gb
- Ex tb IIIC Db
- Ⓜ II 2 G Ex db IIC Gb
- Ⓜ II 2 G Ex eb IIC Gb
- Ⓜ II 2 D Ex tb IIIC Db

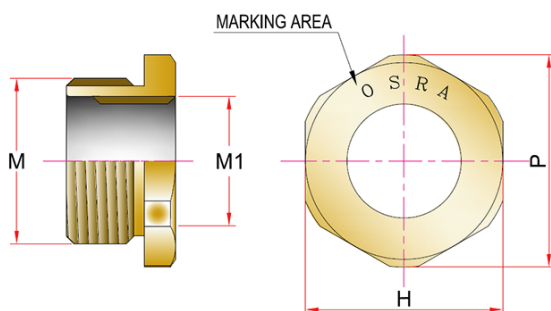
Standards

IEC 60079-0
IEC 60079-1
IEC 60079-31
IEC 60079-7
EN 60079-0
EN 60079-1
EN 60079-7
EN 60079-31

Technical Data

Ambient Temperature	-60°C ~ +110°C
Degree of Protection	IP66/68 (Metric) IP66 (NPT)
Material	Nickel plated brass(standard), Stainless steel(316L)(Option)
Gland Packing	Nylon

Dimensional drawings (All Dimensions in mm)



※Order Example

Part No.	Thread	Material
OSRA 21	M25 x M20	Nickel plated brass

OSRA			FEMALE THREAD SIZE (M1)									
			Metric Type									
			M16	M20	M25	M32	M40	M50	M63	M75	M90	M100
MALE THREAD SIZE (M)	Metric Type	M16	—	—	—	—	—	—	—	—	—	—
		M20	10	—	—	—	—	—	—	—	—	—
		M25	20	21	—	—	—	—	—	—	—	—
		M32	30	31	32	—	—	—	—	—	—	—
		M40	40	41	42	43	—	—	—	—	—	—
		M50	50	51	52	53	54	—	—	—	—	—
		M63	60	61	62	63	64	65	—	—	—	—
		M75	—	71	72	73	74	75	76	—	—	—
		M90	—	—	82	83	84	85	86	87	—	—
		M100	—	—	—	93	94	95	96	97	98	—

* Up to M75, 1.5 pitch is standard and from M90, 2.0 pitch is standard

OSRA			FEMALE THREAD SIZE (M1)										
			NPT / PF Type										
			3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"
MALE THREAD SIZE (M)	Metric Type	M16	–	–	–	–	–	–	–	–	–	–	–
		M20	100	–	–	–	–	–	–	–	–	–	–
		M25	200	201	–	–	–	–	–	–	–	–	–
		M32	300	301	302	–	–	–	–	–	–	–	–
		M40	400	401	402	403	–	–	–	–	–	–	–
		M50	500	501	502	503	504	–	–	–	–	–	–
		M63	600	601	602	603	604	605	–	–	–	–	–
		M75	–	701	702	703	704	705	706	–	–	–	–
		M90	–	–	802	803	804	805	806	807	–	–	–
		M100	–	–	–	903	904	905	906	907	908	–	–
		–	–	–	–	–	–	–	–	–	–	–	–

OSRA			FEMALE THREAD SIZE (M1)										
			Metric Type										
			M16	M20	M25	M32	M40	M50	M63	M75	M90	M100	–
MALE THREAD SIZE (M)	NPT / PF type	3/8"	–	–	–	–	–	–	–	–	–	–	–
		1/2"	010	–	–	–	–	–	–	–	–	–	–
		3/4"	020	021	–	–	–	–	–	–	–	–	–
		1"	030	031	032	–	–	–	–	–	–	–	–
		1-1/4"	040	041	042	043	–	–	–	–	–	–	–
		1-1/2"	050	051	052	053	054	–	–	–	–	–	–
		2"	060	061	062	063	064	065	–	–	–	–	–
		2-1/2"	–	071	072	073	074	075	076	–	–	–	–
		3"	–	–	082	083	084	085	086	087	–	–	–
		3-1/2"	–	–	–	093	094	095	096	097	098	–	–
		4"	–	–	–	–	104	105	106	107	108	109	–

OSRA			FEMALE THREAD SIZE (M1)										
			NPT / PF Type										
			3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"
MALE THREAD SIZE (M)	NPT / PF type	3/8"	–	–	–	–	–	–	–	–	–	–	–
		1/2"	0100	–	–	–	–	–	–	–	–	–	–
		3/4"	0200	0201	–	–	–	–	–	–	–	–	–
		1"	0300	0301	0302	–	–	–	–	–	–	–	–
		1-1/4"	0400	0401	0402	0403	–	–	–	–	–	–	–
		1-1/2"	0500	0501	0502	0503	0504	–	–	–	–	–	–
		2"	0600	0601	0602	0603	0604	0605	–	–	–	–	–
		2-1/2"	–	0701	0702	0703	0704	0705	0706	–	–	–	–
		3"	–	–	0802	0803	0804	0805	0806	0807	–	–	–
		3-1/2"	–	–	–	0903	0904	0905	0906	0907	0908	–	–
		4"	–	–	–	–	1004	1005	1006	1007	1008	1009	–