



20591Y

20592Y

90° METRIC FEMALE 24° CONE O-RING  
S SERIES

REF. ISO 12151-2 / DIN 20066

PART NO.		THREAD E	HOSE SIZE		TUBE O.D.	O-RING	DIMENSIONS			
BRAIDED	SPIRAL		DN	DASH			A	C	H	S2
20591Y-14-04WZ	-	M16X1.5	6	04	6	O04.5X1.5	30	1.1	30.5	17
20591Y-16-04TZ *	-	M16X1.5	6	04	8	O06.5X1.5	30	1.8	31	19
20591Y-16-05WZ	-	M16X1.5	8	05	8	O06.5X1.5	30	1.5	31	19
20591Y-18-04TZ *	-	M18X1.5	6	04	10	O08.0X1.5	33	1.5	33.5	22
20591Y-18-05TZ	-	M18X1.5	8	05	10	O08.0X1.5	33	1.5	33.5	22
20591Y-18-06TZ	20592Y-18-06TZ	M18X1.5	10	06	10	O08.0X1.5	37	1.5	35	22
20591Y-20-05TZ *	-	M20X1.5	8	05	12	O10.0X1.5	34.5	2.5	35.5	24
20591Y-20-06TZ *	20592Y-20-06TZ	M20X1.5	10	06	12	O10.0X1.5	34.5	2.5	35.5	24
20591Y-20-08WZ	20592Y-20-08WZ	M20X1.5	12	08	12	O10.0X1.5	38	2.5	38	24
20591Y-22-06TZ	20592Y-22-06TZ	M22X1.5	10	06	14	O11.0X2.0	34.5	3	36	27
20591Y-22-08TZ	20592Y-22-08TZ	M22X1.5	12	08	14	O11.0X2.0	42	2.5	42.5	27
20591Y-24-06TZ	-	M24X1.5	10	06	16	O13.0X2.0	39.5	3	43	30
20591Y-24-08TZ *	20592Y-24-08TZ *	M24X1.5	12	08	16	O13.0X2.0	39.5	3	43	30
20591Y-24-10WZ	20592Y-24-10WZ	M24X1.5	16	10	16	O13.0X2.0	45	3	45.5	30
20591Y-30-08TZ	20592Y-30-08TZ	M30X2	12	08	20	O16.3X2.4	49	2.5	49.5	36
20591Y-30-10TZ	20592Y-30-10TZ	M30X2	16	10	20	O16.3X2.4	49	2.5	49.5	36
20591Y-30-12TZ *	20592Y-30-12TZ *	M30X2	20	12	20	O16.3X2.4	55.8	2.5	54.5	36
20591Y-36-12TZ *	20592Y-36-12TZ *	M36X2	20	12	25	O20.3X2.4	56	3.2	59	46
20591Y-36-16WZ	20592Y-36-16WZ	M36X2	25	16	25	O20.3X2.4	56	3.2	59	46
20591Y-42-12TZ	20592Y-42-12TZ	M42X2	20	12	30	O25.3X2.4	71	3.9	70	50
20591Y-42-16TZ *	20592Y-42-16TZ *	M42X2	25	16	30	O25.3X2.4	71	3.9	70	50
20591Y1-42-20WZ +	-	M42X2	32	20	30	O25.3X2.4	71	3.9	70	50
20591Y-42-20WZ ++	20592Y-42-20WZ	M42X2	32	20	30	O25.3X2.4	71	3.9	70	50
20591Y1-52-20TZ * +	-	M52X2	32	20	38	O33.3X2.4	93	4.5	86.5	60
20591Y-52-20TZ * ++	20592Y-52-20TZ *	M52X2	32	20	38	O33.3X2.4	93/95.6	4.5	86.5	60
20591Y-52-24TZ	20592Y-52-24TZ *	M52X2	40	24	38	O33.3X2.4	109.4/112.4	4.5	100	60

- The dimension A before "/" is for braided hose fitting and after "/" is for spiral hose fitting.
- Part no. marked with "\*" is recommended.
- Marked with "+" design for GH781, GH663, FC686, EC110, EC881 hose, Marked with "++" design for GH793, EC210, EC215 hose.
- The recommended match hoses for 1 piece braided fittings are : FC687/EC115-16 and smaller sizes; GH663/EC881-20 and smaller sizes; FC686/EC210/EC215/GH781-24 and smaller sizes; EC110/GH793 whole sizes etc. and with non-skive crimping. For 1 piece spiral fittings are: 2755/GH493/EC640/GH425-16 and smaller sizes; GH506/EC512-12 and larger sizes with skive crimping.

5. Material options for fitting and the O-ring.

Fitting material	O-ring material	Part. No. suffix	Part No. example
Carbon steel (Default)	NBR	TZ/WZ	20591Y-24-08TZ
304 stainless steel	Viton	SRT/SRW	20591Y-24-08SRT
316L stainless steel	Viton	SVT/SVW	20591Y-24-08SVT
316Ti stainless steel	Viton	SYT/SYW	20591Y-24-08SYT

6. Plating options and performance for carbon steel fittings.

Plating method	Part. No. suffix	Part No. example	White rust (Hours)	Red rust (Hours)
Cr3+ plating (Default)	Z	20591Y-24-08TZ	96	360
Durakote plating	ZD	20591Y-24-08TZD	360	720
Zinc-nickel plating	ZN	20591Y-24-08TZN	1000	-