

CAST S.P.A.

**METRIC HYDRAULIC HOSE**



**SAE 100 R2** – For medium & high pressure hydraulic systems conveying mineral & vegetable oil, water, aqueous solutions, air & inert gas. Temp. range -40°C to 100°C.

Inner Tube – Oil-resistant synthetic rubber  
 Reinforcement – Double braid of high tensile steel wire with insulation layer  
 Cover – Black synthetic rubber resistant to abrasion, oil, fuels, ozone and atmospheric agents

Order Code	Ø Tube Inside Diameter				D OD	R min	Working Pressure		Burst Pressure		Weight g/m
	DN	mm	Size	Inch			bar	psi	bar	psi	
730702	6	6,4	-4	1/4	13,6	75	420	6000	1680	24000	280
730703	8	7,9	-5	5/16	15,2	85	375	5400	1500	21600	330
730704	10	9,5	-6	3/8	17,6	90	350	5100	1400	20400	410
730705	12	12,7	-8	1/2	20,7	130	320	4600	1280	18400	500
730706	16	15,9	-10	5/8	23,7	170	275	4000	1100	16000	580
730707	19	19,1	-12	3/4	27,7	200	235	3400	940	13600	780
730708	25	25,4	-16	1	35,7	250	185	2700	740	10800	1100



**SAE 100 R9R** – For high pressure hydraulic systems conveying oil, water, aqueous solutions, air & inert gas. Temp. range -40°C to 100°C.

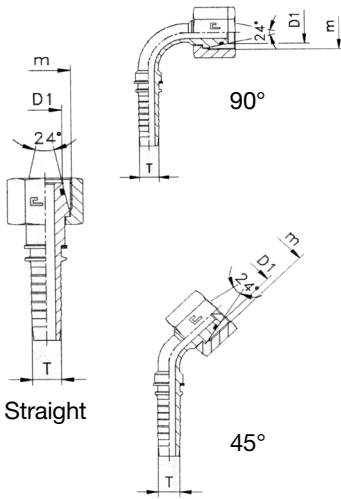
Inner Tube – Oil-resistant synthetic rubber  
 Reinforcement – Five spirals of high tensile steel wire with insulation layer  
 Cover – Black synthetic rubber resistant to abrasion, oil, fuels, ozone and atmospheric agents

Order Code	Ø Tube Inside Diameter				D OD	R min	Working Pressure		Burst Pressure		Weight g/m
	DN	mm	Size	Inch			bar	psi	bar	psi	
730802	6	6,4	-4	1/4	17,9	150	450	6500	1800	26000	640
730804	10	9,5	-6	3/8	21,4	180	445	6450	1780	25800	750
730805	12	12,7	-8	1/2	24,6	230	415	6000	1660	24000	890
730806	16	15,9	-10	5/8	28,2	250	350	5100	1400	20400	1100
730807	19	19,1	-12	3/4	32,2	300	350	5100	1400	20400	1500
730808	25	25,4	-16	1	39,7	340	280	4000	1120	16000	2000

**LOW PRESSURE**

Order Code		Ø Tube Inside Diameter T				24° Cone	m	
Straight	90°	45°	DN	mm	Size	Inch		D1
701001	701101	701201	5	4,8	-3	3/16	6L	12x1,5
701006	701106	701206	6	6,4	-4	1/4	8L	14x1,5
701012	701112	701212	8	7,9	-5/16	5/16	10L	16x1,5
701016	701116	701216	10	9,5	-6	3/8	12L	18x1,5
701021	701121	701221	12	12,7	-8	1/2	15L	22x1,5
701024	701124	701224	16	15,9	-10	5/8	18L	26x1,5
701027	701127	701227	19	19,1	-12	3/4	22L	30x2
701030	701130	701230	25	25,4	-16	1	28L	36x2
701032	701132	701232	31	31,8	-20	1-1/4	35L	45x2
701034	701134	701234	38	38,1	-24	1-1/2	42L	52x2

**METRIC FEMALE HOSE FITTINGS**



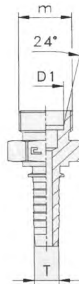
**HIGH PRESSURE**

Order Code		Ø Tube Inside Diameter T				24° Cone	m	
Straight	90°	45°	DN	mm	Size	Inch		D1
701004	701104	701204	5	4,8	-3	3/16	8S	16x1,5
701009	701109	701209	6	6,4	-4	1/4	10S	18x1,5
701015	701115	701215	8	7,9	-5	5/16	12S	20x1,5
701018	701118	701218	10	9,5	-6	3/8	12L	22x1,5
701022	701122	701222	12	12,7	-8	1/2	16S	24x1,5
701025	701125	701225	16	15,9	-10	5/8	20S	30x2
701028	701128	701228	19	19,1	-12	3/4	25S	36x2
701031	701131	701231	25	25,4	-16	1	30S	42x2
701033	701133	701233	38	38,1	-24	1-1/2	42L	52x2

**METRIC MALE HOSE FITTINGS**

**LOW PRESSURE**

Order Code	Ø Tube Inside Diam. T				Ø Tube D1	m
	Plain	DN	mm	Size		
700901	5	4,8	-3	3/16	6L	12x1,5
700906	6	6,4	-4	1/4	8L	14x1,5
700912	8	7,9	-5	5/16	10L	16x1,5
700916	10	9,5	-6	3/8	12L	18x1,5
700921	12	12,7	-8	1/2	15L	22x1,5
700924	16	15,9	-10	5/8	18L	26x1,5
700927	19	19,1	-12	3/4	22L	30x2
700930	25	25,4	-16	1	28L	36x2
700932	31	31,8	-20	1-1/4	35L	45x2
700934	38	38,1	-24	1-1/2	42L	52x2



**HIGH PRESSURE**

Order Code	Ø Tube Inside Diam. T				Ø Tube D1	m
	Plain	DN	mm	Size		
700904	5	4,8	-3	3/16	8S	16x1,5
700909	6	6,4	-4	1/4	10S	18x1,5
700915	8	7,9	-5	5/16	12S	20x1,5
700918	10	9,5	-6	3/8	14S	22x1,5
700922	12	12,7	-8	1/2	16S	24x1,5
700925	16	15,9	-10	5/8	20S	30x2
700928	19	19,1	-12	3/4	25S	36x2
700931	25	25,4	-16	1	30S	42x2
700933	31	31,8	-20	1-1/4	38S	52x2



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