



Hydraulic Hoses,
Fittings & Quick Couplings



Engineered for Excellence, Built for Durability

HYDRAULIC HOSE DIN 20022 1SN



Part No.	Dash	DN										
			Hose I.D.		Hose O.D.		Working Pressure		Min. Burst Pressure		Min. Bend Radius	
			(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)
H321003	3	5	3/16"	4.9	0.47	12.0	3625	250	14500	1000	3.54	90
H321004	4	6	1/4"	6.4	0.52	13.2	3275	225	13100	900	3.94	100
H321005	5	8	5/16"	7.9	0.59	15.1	3125	215	12500	850	4.53	115
H321006	6	10	3/8"	9.5	0.68	17.2	2625	180	10500	720	5.12	130
H321008	8	12	1/2"	12.7	0.79	20.2	2325	160	9300	640	7.09	180
H321010	10	16	5/8"	15.8	0.93	23.6	1900	130	7600	520	7.87	200
H321012	12	19	3/4"	18.8	1.08	27.5	1525	105	6100	420	9.45	240
H321016	16	25	1"	25.4	1.39	35.3	1275	88	5100	350	11.81	300
H321020	20	31	1.1/4"	31.8	1.70	43.2	915	63	3660	250	16.54	420
H321024	24	38	1.1/2"	38.1	1.95	49.6	725	50	2900	200	19.69	500
H321032	32	51	2	50.8	2.50	63.5	580	40	2320	160	24.80	630

APPLICATIONS

Low-medium pressure lines, return lines, in severe environmental conditions, specific installations with tough abrasion conditions, marine applications, underground and open pit mining

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

One high tensile steel wire braid

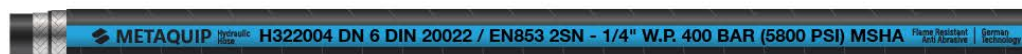
COVER

Synthetic rubber with high temperature, abrasion, ozone and weather resistance

TEMPERATURE RANGE

-40°C to +100°C

HYDRAULIC HOSE DIN 20022 2SN



Part No.	Dash	DN										
			Hose I.D.		Hose O.D.		Working Pressure		Min. Burst Pressure		Min. Bend Radius	
			(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)
H322003	3	5	3/16"	4.8	0.55	14.0	6010	415	24040	1660	3.54	90
H322004	4	6	1/4"	6.4	0.59	15.0	5800	400	23200	1600	3.94	100
H322005	5	8	5/16"	8.0	0.65	16.5	5075	350	20300	1400	4.53	115
H322006	6	10	3/8"	9.5	0.74	18.8	4800	330	19200	1320	5.12	130
H322008	8	12	1/2"	12.7	0.87	22.0	4000	276	16000	1104	7.09	180
H322010	10	16	5/8"	16.0	0.99	25.2	3625	250	14500	1000	7.87	200
H322012	12	19	3/4"	19.0	1.15	29.2	3100	215	12400	860	9.45	240
H322016	16	25	1"	25.4	1.48	37.6	2400	165	9600	660	11.81	300
H322020	20	31	1.1/4"	31.8	1.87	47.5	1800	125	7200	500	16.54	420
H322024	24	38	1.1/2"	38.1	2.14	54.3	1300	90	5200	360	19.69	500
H322032	32	51	2	50.8	2.50	67.0	1160	80	4640	320	24.80	630

APPLICATIONS

Medium-high pressure lines in severe environmental conditions, specific installations with tough abrasion conditions, marine applications, underground and open pit mining

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

Two high tensile steel wire braids

COVER

Synthetic rubber with high temperature, abrasion, ozone and weather resistance

TEMPERATURE RANGE

-40°C to +100°C

HYDRAULIC HOSE DIN 20023 4SP



Part No.	Dash	DN										
			Hose I.D.		Hose O.D.		Working Pressure		Min. Burst Pressure		Min. Bend Radius	
			(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)
H323004	4	6	1/4"	6.4	0.69	17.6	6525	450	26100	1800	5.91	150
H323006	6	10	3/8"	9.5	0.83	21.1	6450	445	25810	1780	7.09	180
H323008	8	12	1/2"	12.7	0.96	24.3	6015	415	24070	1660	9.06	230
H323010	10	16	5/8"	16.0	1.10	27.9	5075	350	20300	1400	9.84	250
H323012	12	19	3/4"	19.0	1.26	31.9	5075	350	20300	1400	11.81	300
H323016	16	25	1"	25.4	1.54	39.2	4060	280	16240	1120	13.39	340
H323020	20	31	1.1/4"	31.8	1.98	50.2	3045	210	12180	840	18.11	460
H323024	24	38	1.1/2"	38.1	2.23	56.6	2680	185	10700	740	22.05	560
H323032	32	51	2	50.8	2.72	69.2	2395	165	10000	690	25.98	660

APPLICATIONS

Very high pressure power lines in severe environmental conditions, specific installations with tough abrasion conditions, marine applications, underground and open pit mining

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

Four high tensile steel wire spirals

COVER

Synthetic rubber with high temperature, abrasion, ozone and weather resistance

TEMPERATURE RANGE

-40°C to +100°C

HYDRAULIC HOSE DIN 20023 4SH



Part No.	Dash	DN										
			Hose I.D.		Hose O.D.		Working Pressure		Min. Burst Pressure		Min. Bend Radius	
			(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)
H324012	12	19	3/4"	19.0	1.26	31.9	6090	420	24360	1680	11.02	280
H324016	16	25	1"	25.4	1.51	38.3	5510	380	22040	1520	13.39	340
H324020	20	31	1.1/4"	31.8	1.77	44.9	5075	350	18850	1300	18.11	460
H324024	24	38	1.1/2"	38.1	2.08	52.9	4205	290	16820	1160	22.05	560
H324032	32	51	2"	50.8	2.66	67.5	3625	250	14500	1000	27.56	700

APPLICATIONS

Very high pressure power lines in severe environmental conditions, specific installations with tough abrasion conditions, marine applications, underground and open pit mining

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

Four high tensile steel wire spirals

COVER

Synthetic rubber with high temperature, abrasion, ozone and weather resistance

TEMPERATURE RANGE

-40°C to +100°C

HYDRAULIC HOSE SAE 100 R13



Part No.	Dash	DN										
			Hose I.D.		Hose O.D.		Working Pressure		Min. Burst Pressure		Min. Bend Radius	
			(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)
H313012	12	19	3/4"	19.0	1.32	33.7	5075	350	20300	1400	9.45	240
H313016	16	25	1"	25.4	1.58	40.3	5075	350	20300	1400	11.81	300
H313020	20	31	1.1/4"	31.8	2.04	52.0	5075	350	20300	1400	16.54	420
H313024	24	38	1.1/2"	38.1	2.34	59.5	5075	350	20300	1400	19.69	500
H313032	32	51	2"	50.8	2.90	73.4	5075	350	20300	1400	24.80	630

APPLICATIONS

Heavy duty very high pressure power lines in severe environmental conditions, specific installations with tough abrasion conditions, marine applications, underground and open pit mining

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

Four high tensile steel wire spirals (DN 19-25)
Six high tensile steel wire spirals (DN 31-51)

COVER

Synthetic rubber with high temperature, abrasion, ozone and weather resistance

TEMPERATURE RANGE

-40°C to +121°C

HYDRAULIC HOSE SAE 100 R15



Part No.	Dash	DN										
			Hose I.D.		Hose O.D.		Working Pressure		Min. Burst Pressure		Min. Bend Radius	
			(inch)	(mm)	(inch)	(mm)	(psi)	(bar)	(psi)	(bar)	(inch)	(mm)
H315012	12	19	3/4"	19.0	1.26	31.9	6090	420	24360	1680	10.43	265
H315016	16	25	1"	25.4	1.50	38.2	6090	420	24360	1680	12.99	330
H315020	20	31	1.1/4"	31.8	1.99	50.5	6090	420	24360	1680	17.52	445
H315024	24	38	1.1/2"	38.1	2.26	57.4	6090	420	24360	1680	20.87	530
H315032	32	51	2"	50.8	2.81	71.5	6090	420	24360	1680	23.62	600

APPLICATIONS

Heavy duty very high pressure power lines in severe environmental conditions, specific installations with tough abrasion conditions, marine applications, underground and open pit mining.

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

Four high tensile steel wire spirals (DN 19-25)
Six high tensile steel wire spirals (DN 31-51)

COVER

Synthetic rubber with high temperature, abrasion, ozone and weather resistance

TEMPERATURE RANGE

-40°C to +121°C

SMOOTH PTFE HOSE STAINLESS STEEL BRAID



Part No.	Dash							
		Hose I.D.		Hose O.D.	Working Pressure		Min. Bend Radius	
		(inch)	(mm)	(mm)	(psi)	(bar)	(inch)	(mm)
T314003	3	3/16"	5.0	7.9	4000	275	2.01	51
T314004	4	1/4"	6.0	8.6	3500	240	2.99	76
T314005	5	5/16"	8.0	11.1	3000	200	4.02	102
T314006	6	3/8"	10.0	12.7	2600	180	5.00	127
T314008	8	1/2"	13.0	15.4	2300	160	5.51	140
T314010	10	5/8"	16.0	18.4	2000	138	6.50	165
T314012	12	3/4"	19.0	22.1	1600	110	7.99	203
T314016	16	1"	25.0	29.8	1000	70	12.01	305

APPLICATIONS

Aggressive chemical transfer systems, compressed air and gases, high or low temperature fluid or gas transfer.

TUBE

Sintered tube of polytetrafluoroethylene (P.T.F.E)

REINFORCEMENT

Single braid of AISI 304 stainless steel wire.

TEMPERATURE RANGE

-54°C to +260°C

CONVOLUTED PTFE HOSE STAINLESS STEEL BRAID



Part No.	Dash							
		Hose I.D.		Hose O.D.	Working Pressure		Min. Bend Radius	
		(inch)	(mm)	(mm)	(psi)	(bar)	(inch)	(mm)
T315006	6	3/8"	10.0	14.8	2000	138	0.79	20
T315008	8	1/2"	13.0	18.8	1500	100	0.98	25
T315010	10	5/8"	16.0	22.1	1200	82	2.01	51
T315012	12	3/4"	19.0	24.6	1000	70	2.52	64
T315016	16	1"	25.0	32.8	670	46	3.50	89
T315020	20	1.1/4"	32.0	40.7	525	36	5.00	127
T315024	24	1.1/2"	38.0	48.2	450	30	5.98	152
T315032	32	2"	51.0	61.5	345	23	7.87	200

APPLICATIONS

Aggressive chemical transfer systems, compressed air and gases, high or low temperature fluid or gas transfer.

TUBE

Helically convoluted sintered tube of polytetrafluoroethylene (P.T.F.E)

REINFORCEMENT

Single braid of AISI 304 stainless steel wire.

TEMPERATURE RANGE

-54°C to +260°C

FLEXIBLE STAINLESS STEEL HOSE



Part No.	Dash	DN								
			Hose I.D.		Hose O.D.		Working Pressure		Min. Bend Radius	
			(inch)	(mm)	without braid (mm)	with 1 braid (mm)	(psi)	(bar)	dynamic (mm)	static (mm)
M301004	4	6	1/4"	6.2	9.6	10.7	1740	120	85	25
M301005	5	8	5/16"	8.2	12.1	13.5	1500	100	125	32
M301006	6	10	3/8"	10.3	14.3	15.5	1300	90	140	38
M301008	8	12	1/2"	12.2	16.7	18.0	1160	80	140	45
M301010	10	16	5/8"	16.2	21.6	23.0	1015	70	160	58
M301012	12	20	3/4"	20.2	26.8	28.3	928	64	170	70
M301016	16	25	1"	25.4	32.2	33.5	725	50	190	85
M301020	20	32	1.1/4"	34.3	41.1	42.8	580	40	260	105
M301024	24	40	1.1/2"	40.1	49.5	51.5	507	35	300	130
M301032	32	50	2"	50.3	60.3	62.5	435	30	320	160
M301040	40	65	2.1/2"	65.6	81.0	83.0	348	24	410	180
M301048	48	80	3"	80.3	95.0	97.0	261	18	450	200
M301064	64	100	4"	100.8	117.0	119.0	232	16	560	290
M301080	80	125	5"	125.4	150.0	152.5	203	14	710	325
M301096	96	150	6"	150.8	175.0	177.5	145	10	815	380
M301128	128	200	8"	197.0	225.0	228.0	116	8	1015	500

APPLICATIONS

Aggressive chemical transfer systems, compressed air and gases, high or low temperature fluid or gas transfer.

HOSE

AISI 316L-DIN 1.4404-Z2CN17-12

REINFORCEMENT

AISI 304-DIN 1.4301-Z6CN18-09

SAFETY FACTOR

4:1

TEMPERATURE RANGE

-270°C to + 700°C

FERRULES



Ferrule for R1 / 1SN hose



Ferrule for R2 / 2SN hose



Ferrule for R12 / 4SP / 4SH hose



Ferrule for Teflon hose



Ferrule for R13 / R15 hose

FITTINGS



Metric male 24° cone seat L.T. / H.T.



BSP male



BSPT male



ORFS male o-ring seal



NPT male



JIC male



Metric female flat seat



90° BSP female 60° cone



BSP female 60° cone
double hexagon



ORFS female flat seat
double hexagon



JIC female 74° double hexagon



JIS metric female 60°
double hexagon



JIS gas female 60°
double hexagon



SAE flange 3000 psi / 6000 psi



SAE flange 9000 psi



Metric standpipe straight



Water washer fitting



Metric banjo



Double connector



NPT male interlock fitting



ORFS female flat seat
interlock fitting



JIC female 74° interlock fitting



Metric female 24° cone o-ring H.T.
interlock fitting



SAE flange 3000 psi / 6000 psi
interlock fitting



SAE flange 9000 psi
interlock fitting

ADAPTERS



Double nipple



Socket



Male plug



Female plug



Reducer



Socket reducer



DN elbow 90°



Female elbow



Male branch tee



Female branch tee



Adapter combination



Elbow male - female



Elbow adapter combination



Male - female branch tee



DN elbow 45°

HYDRAULIC QUICK COUPLINGS



ISO 7241-A HYDRAULIC QUICK COUPLINGS (CARBON STEEL)

The AC10S Series, a poppet valve quick coupling, adheres to the international ISO 7241-A standard. Crafted from carbon steel with a zinc-plated finish, this series ensures global interchangeability and is available in sizes ranging from 1/4" to 2". As a result, the AC10S Series is among the most widely utilized in various hydraulic applications, particularly within the agricultural and industrial sectors.

Specifications								
Size (inch)	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
Rated pressure (psi)	5000	4500	4500	4500	3625	3625	3000	2250
Rated flow (gpm)	2.4	7.9	19.8	47.6	71.4	87.3	119	238
Temperature range	-25°C to +125°C							



ISO 7241-A HYDRAULIC QUICK COUPLINGS (STAINLESS STEEL)

The AC10A series features quick couplings with a poppet-type sealing system, designed to comply with the ISO 7241-A international standard. Constructed from AISI 316 stainless steel, this series offers exceptional corrosion resistance, making it ideal for various applications exposed to environmental and/or fluid aggressiveness.

Specifications							
Size (inch)	1/4"	3/8"	1/2"	3/4"	1"	1.1/2"	2"
Rated pressure (psi)	5075	3900	4625	3750	3025	2025	1300
Rated flow (gpm)	3.08	5.9	15.9	29.1	39.7	198.4	423.3
Temperature range	-20°C to +200°C						



ISO 7241-B HYDRAULIC QUICK COUPLINGS (CARBON STEEL)

The BC10S series, featuring poppet valve quick couplings, complies with the ISO 7241-B international standard. Constructed from carbon steel with zinc-plated finish, the BC10S series ensures compatibility with a wide range of industrial hydraulic applications globally.

Specifications								
Size (inch)	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
Rated pressure (psi)	7500	6750	4500	5250	3625	4500	2100	1350
Rated flow (gpm)	1.3	4.5	13.2	19.8	50.2	71.4	198.4	423.3
Temperature range	-25°C to +125°C							



ISO 7241-B HYDRAULIC QUICK COUPLINGS (STAINLESS STEEL)

The BC10A series comprises quick couplings with a poppet-type sealing system, designed for interchangeability per the ISO 7241-B international standard. Constructed from AISI 316 stainless steel, these couplings offer superior corrosion resistance, making them suitable for various applications that encounter environmental and fluid aggressiveness.

Specifications							
Size (inch)	1/4"	3/8"	1/2"	3/4"	1"	1.1/2"	2"
Rated pressure (psi)	5075	3900	4625	3750	3025	2025	1300
Rated flow (gpm)	3.08	5.9	15.9	29.1	39.7	198.4	423.3
Temperature range	-20°C to +200°C						



ISO 16028 FLAT FACE HYDRAULIC QUICK COUPLINGS

Utilized across numerous hydraulic sectors, the FC10S series is comply with the ISO 16028 standard coupling interchangeability. Owing to its excellent performance and multiple advantages, the FC10S series widely used by manufacturers of hydraulic machinery and equipment. It is essential in applications requiring the prevention of fluid loss and circuit contamination.

Specifications							
Size (inch)	1/4"	3/8"	1/2"	3/4"	1"	1.1/2"	2"
Rated pressure (psi)	4350	4350	3625	3625	3625	2900	2900
Rated flow (gpm)	6.3	12.2	23.8	53	100	198.7	265
Temperature range	-25°C to +100°C						



SCREW TO CONNECT HYDRAULIC COUPLINGS

The JC10S series features screw-to-connect couplings with poppet valves, designed for high-pressure hydraulic applications up to 700 bar (10150 psi). These couplings are made from high-resistance carbon steel with a zinc-plated finish, ensuring durability. They are compatible with similar couplings available on the market and are primarily used for hydraulic jacks and cylinders.

Specifications								
Size (inch)	1/4"	3/8"						
Rated pressure (psi)	10150	10150						
Rated flow (gpm)	3.9	5.3						
Temperature range	-25°C to +125°C							



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