

2.0. FLEKSIBILNA CREVA (FLEXIBLE HOSES)



HIDRAULIKA - NISKI PRITISAK HYDRAULIC - LOW PRESSURE



**M ; Mt ;
Mč ; Mts**

SAE 100 R6



Unutrašnja guma: uljno otporna crna sintetička guma
Ojačanje: jedan sloj tekstilnog oplita
Spoljašnja guma: crna, sintetička guma otporna na atmosferije i ozon
Temperatura primene: -40°C do +100°C kratkotrajno do +125°C
Primena: protok hidrauličnih tečnosti kao ulja mineralnog porekla, emulzije ulja i vode, vodeni rastvori glikola, vode i vazduha

Inner tube: black, oil resistant synthetic rubber
Reinforcement: single layer of textile braid
Cover: black, weather and ozone resistant synthetic rubber
Temperat. of application: -40°C to +100°C with peaks up to +125°C
Application: conveyance of hydraulic liquids such as mineral based oil, emulsion of oil and water, water solutions of glycol, water an air

Napomena:
Mt - M-guma opletena spolja tekstilom
Mč - M-guma opletena spolja čelič. pocink. žicom
Mts - M-guma vulkanizir. sa spoljaš. tekst. oplitom

Note:
Mt - M-rubber with braided textile cover
Mč - M-rubber with steel zinc plated braided cover
Mts - M-rubber vulcanized with braided textile cover

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Spoljašnji prečnik (outside diameter) mm			Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m
			M	Mt,Mč	Mts				
M - 4	4	4,8	11,1	12,8	12,8	34	138	51	0,10
M - 6	6	6,4	12,7	14,3	14,3	28	110	64	0,12
M - 8	8	7,9	14,3	15,8	15,8	28	110	76	0,14
M - 10	10	9,5	15,9	17,3	17,3	28	110	76	0,16
M - 13	13	12,7	19,8	21,3	21,3	28	110	102	0,23
M - 16	16	15,9	23,0	24,5	24,5	24	97	127	0,28
M - 20	20	19,0	27,0	28,5	28,5	21	83	152	0,41
M - 25	25	25,4	34,2	35,7	35,7	18	72	180	0,61
M - 32	32	31,8	41,0	42,5	—	15	60	230	0,69

M-25 i M-32 ne odgovara SAE 100 R6
M-25 and M-32 does not correspond to SAE 100 R6

HIDRAULIKA - SREDNJI PRITISAK HYDRAULIC - MEDIUM PRESSURE

H ; Ht ; Hč

SAE 100 R3



Unutrašnja guma: uljno otporna crna sintetička guma
Ojačanje: dva sloja unakrsno opletena tekstilna oplita
Spoljašnja guma: crna, sintetička guma otporna na atmosferije i ozon
Temperatura primene: -40°C do +100°C kratkotrajno do +125°C
Primena: protok hidrauličnih tečnosti kao ulja mineralnog porekla, emulzije ulja i vode, vodeni rastvori glikola, vode i vazduha

Inner tube: black, oil resistant synthetic rubber
Reinforcement: two layers of textile braid
Cover: black, weather and ozone resistant synthetic rubber
Temperat. of application: -40°C to +100°C with peaks up to +125°C
Application: conveyance of hydraulic liquids such as mineral based oil, emulsion of oil and water, water solutions of glycol, water an air

Napomena:
Ht - H-guma opletena spolja tekstilom
Hč - H-guma opletena spolja čelič. pocink. žicom

Note:
Ht - H-rubber with braided textile cover
Hč - H-rubber with steel zinc plated braided cover

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Spoljašnji prečnik (outside diameter) mm		Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m
			H	Ht,Hč				
H - 4	4	4,8	12,7	14,3	103	414	76	0,14
H - 6	6	6,4	14,3	15,8	86	345	76	0,15
H - 8	8	7,9	17,5	19,3	83	331	102	0,23
H - 10	10	9,5	19,0	20,6	78	310	102	0,27
H - 13	13	12,7	23,8	25,3	69	276	127	0,39
H - 16	16	15,9	27,0	28,5	60	241	140	0,44
H - 20	20	19,0	31,7	33,3	52	207	152	0,62
H - 25	25	25,4	38,1	39,6	39	155	203	0,90
H - 32	32	31,8	44,4	45,9	26	103	254	0,96





HIDRAULIKA - VISOKI PRITISAK HYDRAULIC - HIGH PRESSURE



V1 ; V1T

SAE 100 R1A
SAE 100 R1AT



Unutrašnja guma:

Ojačanje:

Spoljašnja guma:

Temperatura primene:

Primena:

uljno otporna crna sintetička guma

jedan sloj unakrsno opletene žice

crna, sintetička guma otporna na atmosferije i ozon

-40°C do +100°C kratkotrajno do +125°C

protok hidrauličnih tečnosti kao ulja mineralnog porekla,

emulzije ulja i vode, vodeni rastvori glikola, vode i vazduha

Inner tube:

Reinforcement:

Cover:

Temperat. of application:

Application:

black, oil resistant synthetic rubber

single layer of wire braid

black, weather and ozone resistant synthetic rubber

-40°C to +100°C with peaks up to +125°C

conveyance of hydraulic liquids such as mineral based oil,

emulsion of oil and water, water solutions of glycol, water

an air

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Preč. ojač. (reinforc. diameter) mm	Spoljašnji prečnik (outside diameter) mm		Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m	
				V1	V1T				V1	V1T
V1 ; V1T	4	4,8	9,5	12,7	12,5	207	827	89	0,19	0,18
V1 ; V1T	6	6,4	11,1	15,9	14,1	190	758	102	0,28	0,22
V1 ; V1T	8	7,9	12,7	17,5	15,7	172	689	114	0,33	0,26
V1 ; V1T	10	9,5	15,1	19,8	18,1	155	620	127	0,42	0,33
V1 ; V1T	13	12,7	18,2	23,0	21,5	138	552	178	0,53	0,43
V1 ; V1T	16	15,9	21,4	26,2	24,7	103	414	203	0,63	0,50
V1 ; V1T	20	19,0	25,4	30,2	28,6	86	345	241	0,79	0,65
V1 ; V1T	25	25,4	33,3	38,1	36,6	69	276	305	1,13	1,00
V1 ; V1T	32	31,8	40,5	46,0	44,8	43	172	419	1,45	1,26
V1 ; V1T	40	38,1	46,8	52,4	52,0	34	138	508	1,76	1,57
V1 ; V1T	50	50,8	60,3	66,7	65,9	26	103	635	2,60	2,21

HIDRAULIKA - VISOKI PRITISAK HYDRAULIC - HIGH PRESSURE

1ST ; 1ST2 1SN ; 1SN2

DIN 20022



Unutrašnja guma:

Ojačanje:

Spoljašnja guma:

Temperatura primene:

Primena:

uljno otporna crna sintetička guma

jedan sloj unakrsno opletene žice

crna, sintetička guma otporna na atmosferije i ozon

-40°C do +100°C kratkotrajno do +125°C

protok hidrauličnih tečnosti kao ulja mineralnog porekla,

emulzije ulja i vode, vodeni rastvori glikola, vode i vazduha

Inner tube:

Reinforcement:

Cover:

Temperat. of application:

Application:

black, oil resistant synthetic rubber

single layer of wire braid

black, weather and ozone resistant synthetic rubber

-40°C to +100°C with peaks up to +125°C

conveyance of hydraulic liquids such as mineral based oil,

emulsion of oil and water, water solutions of glycol, water

an air

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Preč. ojač. (reinforc. diameter) mm	Spoljašnji prečnik (outside diameter) mm		Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m	
				1ST ; 1ST2	1SN ; 1SN2				V1	V1T
1ST ; 1SN	4	4,8	9,5	12,7	11,8	250	1000	90	0,19	0,18
1ST ; 1SN	6	6,4	11,1	15,9	13,4	225	900	100	0,28	0,22
1ST ; 1SN	8	7,9	12,7	17,5	15,0	215	850	115	0,33	0,26
1ST ; 1SN	10	9,5	15,1	19,8	17,4	180	720	130	0,42	0,33
1ST ; 1SN	13	12,7	18,2	23,0	20,6	160	640	180	0,53	0,43
1ST ; 1SN	16	15,9	21,4	26,2	23,7	130	520	200	0,63	0,50
1ST ; 1SN	20	19,0	25,4	30,2	27,7	105	420	240	0,79	0,65
1ST ; 1SN	25	25,4	33,3	38,1	35,6	88	350	300	1,13	1,00
1ST ; 1SN	32	31,8	40,5	46,0	43,5	63	250	420	1,45	1,26
1ST ; 1SN	40	38,1	46,8	52,4	50,6	50	200	500	1,76	1,57
1ST ; 1SN	50	50,8	60,3	66,7	64,0	40	160	630	2,60	2,21





HIDRAULIKA - VISOKI PRITISAK HYDRAULIC - HIGH PRESSURE



1SC



Unutrašnja guma: uljno otporna crna sintetička guma
Ojačanje: jedan sloj unakrsno opletene žice
Spoljašnja guma: crna, sintetička guma otporna na atmosferije i ozon
Temperatura primene: - hidraulika -40°C do +100°C
 - vazduh -40°C do +70°C
 - voda 0°C do +70°C

Primena: protok hidrauličnih tečnosti kao ulja mineralnog porekla, emulzije ulja i vode, vodeni rastvori glikola, vode i vazduha

Inner tube: black, oil resistant synthetic rubber
Reinforcement: single layer of wire braid
Cover: black, weather and ozone resistant synthetic rubber
Temperat. of application: - hydraulics -40°C do +100°C
 - air -40°C do +70°C
 - water 0°C do +70°C

Application: conveyance of hydraulic liquids such as mineral based oil, emulsion of oil and water, water solutions of glycol, water an air

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Preč. ojač. (reinforc. diameter) mm	Spoljašnji prečnik (outside diameter) mm	Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m
1SC - 8	8	8,1	12,7	max. 14,5	215	860	85	0,20
1SC - 10	10	9,7	15,1	max. 16,9	180	720	90	0,27
1SC - 13	13	12,9	18,2	max. 20,4	160	640	130	0,33
1SC - 16	16	16,1	21,4	max. 23,8	130	520	150	0,41
1SC - 20	20	19,2	25,4	max. 26,7	105	420	180	0,51
1SC - 25	25	25,7	33,3	max. 34,9	88	352	230	0,75

HIDRAULIKA - VISOKI PRITISAK HYDRAULIC - HIGH PRESSURE

V10



Unutrašnja guma: uljno otporna crna sintetička guma
Ojačanje: jedan sloj unakrsno opletene žice
Spoljašnja guma: crna, sintetička guma otporna na atmosferije i ozon
Temperatura primene: -40°C do +100°C kratkotrajno do +125°C
Primena: protok hidrauličnih tečnosti kao ulja mineralnog porekla, emulzije ulja i vode, vodeni rastvori glikola, vode i vazduha

Inner tube: black, oil resistant synthetic rubber
Reinforcement: single layer of wire braid
Cover: black, weather and ozone resistant synthetic rubber
Temperat. of application: -40°C to +100°C with peaks up to +125°C
Application: conveyance of hydraulic liquids such as mineral based oil, emulsion of oil and water, water solutions of glycol, water an air

Napomena: Gumenno crevo dimenziono odgovara standardu SAE 100 R1AT, a po pritiscima SAE 100 R2
Note: Rubber hose dimensionally correspond to SAE 100 R1AT standard, pressures according to SAE 100 R2

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Preč. ojač. (reinforc. diameter) mm	Spoljašnji prečnik (outside diameter) mm	Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m
V10 - 8	8	7,9	12,7	15,7	293	1172	85	0,30
V10 - 10	10	9,5	15,1	18,1	276	1103	90	0,35
V10 - 13	13	12,7	18,2	21,5	241	965	130	0,47
V10 - 16	16	15,9	21,4	24,7	190	758	150	0,56





HIDRAULIKA - VISOKI PRITISAK HYDRAULIC - HIGH PRESSURE



V2 ; V2T

SAE 100 R2A
SAE 100 R2AT



Unutrašnja guma:
Ojačanje:
Spoljašnja guma:
Temperatura primene:
Primena:

uljno otporna crna sintetička guma
dva sloja unakrsno opletene žice
crna, sintetička guma otporna na atmosferije i ozon
-40°C do +100°C kratkotrajno do +125°C
protok hidrauličnih tečnosti kao ulja mineralnog porekla,
emulzije ulja i vode, vodeni rastvori glikola, vode i vazduha

Inner tube:
Reinforcement:
Cover:
Temperat. of application:
Application:

black, oil resistant synthetic rubber
two layers of wire braid
black, weather and ozone resistant synthetic rubber
-40°C to +100°C with peaks up to +125°C
conveyance of hydraulic liquids such as mineral based oil,
emulsion of oil and water, water solutions of glycol, water
an air

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Preč. ojač. (reinforc. diameter) mm	Spoljašnji prečnik (outside diameter) mm		Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m	
				V2	V2T				V2	V2T
V2 ; V2T	4	4,8	11,1	15,9	14,1	345	1379	89	0,39	0,34
V2 ; V2T	6	6,4	12,7	17,5	15,7	345	1379	102	0,44	0,37
V2 ; V2T	8	7,9	14,3	19	17,3	293	1172	114	0,51	0,43
V2 ; V2T	10	9,5	16,7	21,4	19,7	276	1103	127	0,62	0,52
V2 ; V2T	13	12,7	19,8	24,6	23,1	241	965	178	0,74	0,62
V2 ; V2T	16	15,9	23,0	27,8	26,3	190	758	203	0,80	0,77
V2 ; V2T	20	19,0	27,0	31,7	30,2	155	620	241	1,12	0,97
V2 ; V2T	25	25,4	34,9	39,7	38,9	138	552	305	1,50	1,43
V2 ; V2T	32	31,8	44,4	50,8	49,6	112	448	419	2,52	2,27
V2 ; V2T	40	38,1	50,8	57,1	56,0	86	345	508	2,68	2,37
V2 ; V2T	50	50,8	63,5	69,8	68,6	78	310	635	3,47	3,13

HIDRAULIKA - VISOKI PRITISAK HYDRAULIC - HIGH PRESSURE

2ST ; 2ST2 2SN ; 2SN2

DIN 20022



Unutrašnja guma:
Ojačanje:
Spoljašnja guma:
Temperatura primene:
Primena:

uljno otporna crna sintetička guma
dva sloja unakrsno opletene žice
crna, sintetička guma otporna na atmosferije i ozon
-40°C do +100°C kratkotrajno do +125°C
protok hidrauličnih tečnosti kao ulja mineralnog porekla,
emulzije ulja i vode, vodeni rastvori glikola, vode i vazduha

Inner tube:
Reinforcement:
Cover:
Temperat. of application:
Application:

black, oil resistant synthetic rubber
two layers of wire braid
black, weather and ozone resistant synthetic rubber
-40°C to +100°C with peaks up to +125°C
conveyance of hydraulic liquids such as mineral based oil,
emulsion of oil and water, water solutions of glycol, water
an air

Napomena:

2ST2,2SN2 gum. crevo otporno na niske temper. Temper. primene od -55°C do +100°C, kratkotrajno do +125°C

Note:

2ST2,2SN2 rubber hose resistant to low temper. Temper. of applications from -55°C to +100°C, with peaks up to +125°C

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Preč. ojač. (reinforc. diameter) mm	Spoljašnji prečnik (outside diameter) mm		Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m	
				2ST ; 2ST2	2SN ; 2SN2				V1	V1T
2ST ; 2SN	4	4,8	11,1	15,9	13,4	415	1650	90	0,39	0,34
2ST ; 2SN	6	6,4	12,7	17,5	15,0	400	1600	100	0,44	0,37
2ST ; 2SN	8	7,9	14,3	19,0	16,6	350	1400	115	0,51	0,43
2ST ; 2SN	10	9,5	16,7	21,4	19,0	330	1320	130	0,62	0,52
2ST ; 2SN	13	12,7	19,8	24,6	22,2	275	1100	180	0,74	0,62
2ST ; 2SN	16	15,9	23,0	27,8	25,4	250	1000	200	0,88	0,77
2ST ; 2SN	20	19,0	27,0	31,7	29,3	215	850	240	1,12	0,97
2ST ; 2SN	25	25,4	34,9	39,7	38,1	165	650	300	1,50	1,43
2ST ; 2SN	32	31,8	44,4	50,8	48,3	125	500	420	2,52	2,27
2ST ; 2SN	40	38,1	50,8	57,2	54,6	90	360	500	2,68	2,37
2ST ; 2SN	50	50,8	63,5	69,8	67,3	80	320	630	3,47	3,13





HIDRAULIKA - VISOKI PRITISAK HYDRAULIC - HIGH PRESSURE



2SC

DIN EN 857



Unutrašnja guma: uljno otporna crna sintetička guma
Ojačanje: dva sloja unakrsno opletene žice
Spoljašnja guma: crna, sintetička guma otporna na atmosferije i ozon
Temperatura primene: - hidraulika -40°C do +100°C
 - vazduh -40°C do +70°C
 - voda 0°C do +70°C
Primena: protok hidrauličnih tečnosti kao ulja mineralnog porekla, emulzije ulja i vode, vodeni rastvori glikola, vode i vazduha

Inner tube: black, oil resistant synthetic rubber
Reinforcement: two layers of wire braid
Cover: black, weather and ozone resistant synthetic rubber
Temperat. of application: - hydraulics -40°C do +100°C
 - air -40°C do +70°C
 - water 0°C do +70°C
Application: conveyance of hydraulic liquids such as mineral based oil, emulsion of oil and water, water solutions of glycol, water an air

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Preč. ojač. (reinforc. diameter) mm	Spoljašnji prečnik (outside diameter) mm	Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m
2SC - 8	8	8,1	12,7	max. 16,0	350	1400	85	0,35
2SC - 10	10	9,7	15,0	max. 18,3	330	1320	90	0,43
2SC - 13	13	12,9	18,8	max. 21,5	275	1100	130	0,53
2SC - 16	16	16,1	21,4	max. 24,7	250	1000	170	0,64
2SC - 20	20	19,2	25,5	max. 28,6	215	860	200	0,81
2SC - 25	25	25,8	33,4	max. 36,6	165	660	250	1,31

HIDRAULIKA - VISOKI PRITISAK HYDRAULIC - HIGH PRESSURE

2ST3

DIN 20022



Unutrašnja guma: uljno otporna crna sintetička guma
Ojačanje: dva sloja unakrsno opletene žice
Spoljašnja guma: crna, sintetička guma otporna na atmosferije i ozon, antistatička i vatrootporna
Temperatura primene: -40°C do +100°C kratkotrajno do +125°C
Primena: protok hidrauličnih tečnosti kao ulja mineralnog porekla, emulzije ulja i vode, vodeni rastvori glikola, vode i vazduha

Inner tube: black, oil resistant synthetic rubber
Reinforcement: two layers of wire braid
Cover: black, weather and ozone resistant synthetic rubber, antistatic and fire resistant
Temperat. of application: -40°C to +100°C with peaks up to +125°C
Application: conveyance of hydraulic liquids such as mineral based oil, emulsion of oil and water, water solutions of glycol, water

Napomena: Gumeno crevo za rudarstvo
Note: Rubber hose for mining

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Preč. ojač. (reinforc. diameter) mm	Spoljašnji prečnik (outside diameter) mm	Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m
2ST3 - 6	6	6,4	12,7	17,9	400	1600	100	0,44
2ST3 - 10	10	9,5	16,7	21,4	330	1320	130	0,62
2ST3 - 13	13	12,7	19,8	24,6	275	1100	180	0,75
2ST3 - 16	16	15,9	23,0	27,8	250	1000	200	0,89
2ST3 - 20	20	19,0	27,0	31,8	215	850	240	1,10
2ST3 - 25	25	25,4	34,9	39,7	165	650	300	1,55
2ST3 - 32	32	31,8	44,5	50,8	125	500	420	2,50
2ST3 - 40	40	38,1	50,8	57,2	90	360	500	2,80
2ST3 - 50	50	50,8	63,5	69,8	80	320	630	3,50





HIDRAULIKA - VRLO VISOKI PRITISAK HYDRAULIC - VERY HIGH PRESSURE



4SP ; 4SP3

DIN 20023

Unutrašnja guma:
Ojačanje:
Spoljašnja guma:
Temperatura primene:
Primena:

uljno otporna crna sintetička guma
četiri sloja spiralno opletene žice
crna, sintetička guma otporna na atmosferije i ozon
-40°C do +100°C kratkotrajno do +125°C
protok hidrauličnih tečnosti kao ulja mineralnog porekla,
emulzije ulja i vode, vodeni rastvori glikola, vode i vazduha



Inner tube:
Reinforcement:
Cover:
Temperat. of application:
Application:

black, oil resistant synthetic rubber
four layers of spiral wire braid
black, weather and ozone resistant synthetic rubber
-40°C to +100°C with peaks up to +125°C
conveyance of hydraulic liquids such as mineral based oil,
emulsion of oil and water, water solutions of glycol, water
an air

Napomena:

4SP3 spoljašnja guma antistatička i vatrootporna (za rudarstvo) u dimenzijama NP10,13 i 16

Note:

4SP3 outer rubber antistatic and fire-resistant (for mining) in dimension NP10,13 and 16

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Preč. ojač. (reinforc. diameter) mm	Spoljašnji prečnik (outside diameter) mm	Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m
4SP - 10	10	9,7	17,5	21,4	445	1780	180	≡
4SP - 13	13	12,9	20,2	24,6	415	1660	230	≡
4SP - 16	16	16,1	23,8	28,2	350	1400	250	≡
4SP - 20	20	19,0	28,2	32,2	350	1400	300	1,57
4SP - 25	25	25,4	35,3	39,7	280	1120	340	2,04

HIDRAULIKA - VRLO VISOKI PRITISAK HYDRAULIC - VERY HIGH PRESSURE

4SH

DIN 20023

Unutrašnja guma:
Ojačanje:
Spoljašnja guma:
Temperatura primene:
Primena:

uljno otporna crna sintetička guma
četiri sloja spiralno opletene žice
crna, sintetička guma otporna na atmosferije i ozon
-40°C do +100°C kratkotrajno do +125°C
protok hidrauličnih tečnosti kao ulja mineralnog porekla,
emulzije ulja i vode, vodeni rastvori glikola, vode i vazduha



Inner tube:
Reinforcement:
Cover:
Temperat. of application:
Application:

black, oil resistant synthetic rubber
four layers of spiral wire braid
black, weather and ozone resistant synthetic rubber
-40°C to +100°C with peaks up to +125°C
conveyance of hydraulic liquids such as mineral based oil,
emulsion of oil and water, water solutions of glycol, water
an air

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Preč. ojač. (reinforc. diameter) mm	Spoljašnji prečnik (outside diameter) mm	Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m
4SH - 20	20	19,0	28,4	32,2	420	1680	280	≡
4SH - 25	25	25,4	35,2	38,7	380	1520	340	≡
4SH - 32	32	32,2	41,9	45,5	325	1300	460	≡
4SH - 38	38	38,5	48,8	53,5	290	1160	560	≡
4SH - 50	50	51,2	63,2	68,1	250	1000	700	≡

Napomena:

Kompleti creva sa priključkom tipa 4SP NP10,13,16 i 4SH 20,25,32,38,50 su u proizvodnom programu Ivanović-Fleks, dok crevo na meter istih dimenzija nije u proizvodnom programu

Note:

Hose assemblies type 4SP NP10,13,16 i 4SH 20,25,32,38,50 are available as products made by Ivanović-Fleks, and hos itself with those dimensions is not made





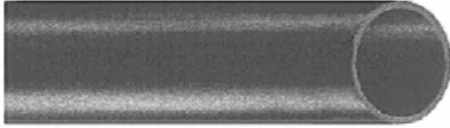
PROTOK TEČNIH GORIVA CONVEYANCE OF LIQUID FUEL



G ; Gt ;
Gč ; Gts

Unutrašnja guma: crna sintetička guma
Temperatura primene: -30°C do +100°C
Primena: protok tečnih goriva kod motornih vozila

Inner tube: black synthetic rubber
Temperat. of application: -40°C to +100°C with peaks up to +125°C
Application: conveyance of liquid fuels in motor vehicles



Napomena:

Gt - G-guma opletena spolja tekstilom
Gč - G-guma opletena spolja čelič. pocink. žicom
Gts - G-guma vulkaniz. sa spoljaš. tekst. oplitom

Note:

Gt - G-rubber with braided textile cover
Gč - G-rubber with steel zinc plated braided cover
Gts - G-rubber vulcanized with braided textile cover

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Spoljašnji prečnik (outside diameter) mm		Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m
			G	Gt, Gč, Gts				
G - 4	4	5,0	8,5	10,0	8	40	45	0,06
G - 6	6	7,0	10,5	12,0	6	35	55	0,07
G - 8	8	9,0	13,0	14,5	6	30	65	0,10
G - 10	10	11,0	15,5	17,0	5	25	75	0,14
G - 13	13	14,0	19,0	20,5	5	20	95	0,19





GASNE INSTALACIJE GAS INSTALLATIONS



TG1 ; TG1č

JUS G.C6.031



Unutrašnja guma: crna sintetička guma
Ojačanje: jedan sloj unakrsno opletenog tekstilnog oplita
Spoljašnja guma: crna, sintetička guma otporna na atmosferije i ozon
Temperatura primene: -20°C do +70°C
Primena: za gasne instalacije propan-butan, zemni gas i gradski gas

Inner tube: black synthetic rubber
Reinforcement: single layer of textile braid
Cover: black, weather and ozone resistant synthetic rubber
Temperat. of application: -20°C to +70°C
Application: for gas instalations of propane-butane, natural gas and city gas supplies

Napomena:
 TG1č - TG1 opletena spolja čeličnom pocinkovanom žicom
Note:
 TG1č - TG1 covered by zinc-plated steel wire

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Spoljašnji prečnik (outside diameter) mm		Max. radni pritisak (max. working pressure) bar	Probni pritisak (proof pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m
			TG1	TG1č				
TG2 - 6	6	6,3	14,5	15,8	2	15	21,5	0,15
TG2 - 8	8	8,0	16,0	17,5	2	15	24,0	0,18
TG2 - 10	10	10,0	18,0	19,5	2	15	27,0	0,23

GASNE INSTALACIJE GAS INSTALLATIONS

TG2 ; TG2č

JUS G.C6.031



Unutrašnja guma: crna sintetička guma
Ojačanje: jedan ili dva sloja unakrsno opletenog tekstilnog oplita
Spoljašnja guma: crna, sintetička guma otporna na atmosferije i ozon
Temperatura primene: -20°C do +70°C
Primena: za gasne instalacije propan-butan, zemni gas i gradski gas

Inner tube: black synthetic rubber
Reinforcement: single or two layers of textiel braid
Cover: black, weather and ozone resistant synthetic rubber
Temperat. of application: -20°C to +70°C
Application: for gas instalations of propane-butane, natural gas and city gas supplies

Napomena:
 TG2č - TG2 opletena spolja čeličnom pocinkovanom žicom. Dimenzije NP13, NP16 nisu predviđene standardom
Note:
 TG2č - TG2 covered by zinc-plated steel wire. Dimension ND13 and ND16 are not predicted by standard

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Spoljašnji prečnik (outside diameter) mm		Max. radni pritisak (max. working pressure) bar	Probni pritisak (proof pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m
			TG2	TG2č				
TG2 - 6	6	6,3	14,3	15,8	25	75	21,5	0,15
TG2 - 8	8	8,0	18,0	19,5	25	75	27,0	0,24
TG2 - 13	13	13,0	23,8	—	25	75	100,0	0,44
TG2 - 16	16	16,2	27,0	—	25	75	130,0	0,51





TEHNIČKI GASOVI TECHNICAL GAS CONVEYANCE



TG5

Unutrašnja guma: crna sintetička guma
Ojačanje: dva sloja unakrsno opletene žice
Spoljašnja guma: crna, sintetička guma otporna na atmosferije i ozon, spolja perforirana
Temperatura primene: -40°C do +100°C
Primena: za tehničke gasove kao što su: acetilen, vodonik, azot i argon



Inner tube: black synthetic rubber
Reinforcement: two layers of wire braid
Cover: black, weather and ozone resistant synthetic rubber, perforated from outside
Temperat. of application: -40°C to +100°C
Application: for conveyance of technical gases such as: acetylen, hydrogen, argon

Napomena:
Ispitivanja vršena prema DIN 8541
Note:
Tested according to DIN 8541

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Preč. ojač. (reinforc. diameter) mm	Spoljašnji prečnik (outside diameter) mm	Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m
TG5 - 6	6	6,4	14,3	19,1	293	1172	114	0,53
TG5 - 8	8	7,9	16,7	21,4	276	1103	127	0,63
TG5 - 10	10	9,5	19,8	24,6	241	965	178	0,81
TG5 - 13	13	12,7	23,0	27,8	190	758	203	0,97
TG5 - 16	16	15,9	27,0	31,8	155	620	241	1,20
TG5 - 20	20	19,0	34,9	39,7	138	552	305	1,80

TEHNIČKI GASOVI TECHNICAL GAS CONVEYANCE

TG6

Unutrašnja guma: crna sintetička guma
Ojačanje: jedan sloj unakrsno opletene žice
Spoljašnja guma: crna, sintetička guma otporna na atmosferije i ozon, spolja perforirana
Temperatura primene: -40°C do +100°C
Primena: za tehničke gasove kao što su: acetilen, vodonik, azot i argon



Inner tube: black synthetic rubber
Reinforcement: single layer of wire braid
Cover: black, weather and ozone resistant synthetic rubber, perforated from outside
Temperat. of application: -40°C to +100°C
Application: for conveyance of technical gases such as: acetylen, hydrogen, argon

Napomena:
Ispitivanja vršena prema DIN 8541
Note:
Tested according to DIN 8541

Oznaka (Designation)	NP (ND) mm	Unutr. prečnik (inside diameter) mm	Preč. ojač. (reinforc. diameter) mm	Spoljašnji prečnik (outside diameter) mm	Max. radni pritisak (max. working pressure) bar	Min. prit. prskanja (min. burst pressure) bar	Min. radijus savijanja (min. bending radius) mm	Težina (Weight) kg/m
TG6 - 6	6	6,4	11,1	14,1	190	758	102	0,22
TG6 - 8	8	7,9	12,7	15,7	172	689	114	0,26
TG6 - 10	10	9,5	15,1	18,1	155	620	127	0,33
TG6 - 13	13	12,7	18,2	21,5	138	552	178	0,43
TG6 - 16	16	15,9	21,4	24,7	103	414	203	0,50
TG6 - 20	20	19,0	25,4	28,6	86	345	241	0,65
TG6 - 25	25	25,4	33,3	36,6	69	276	305	1,00

