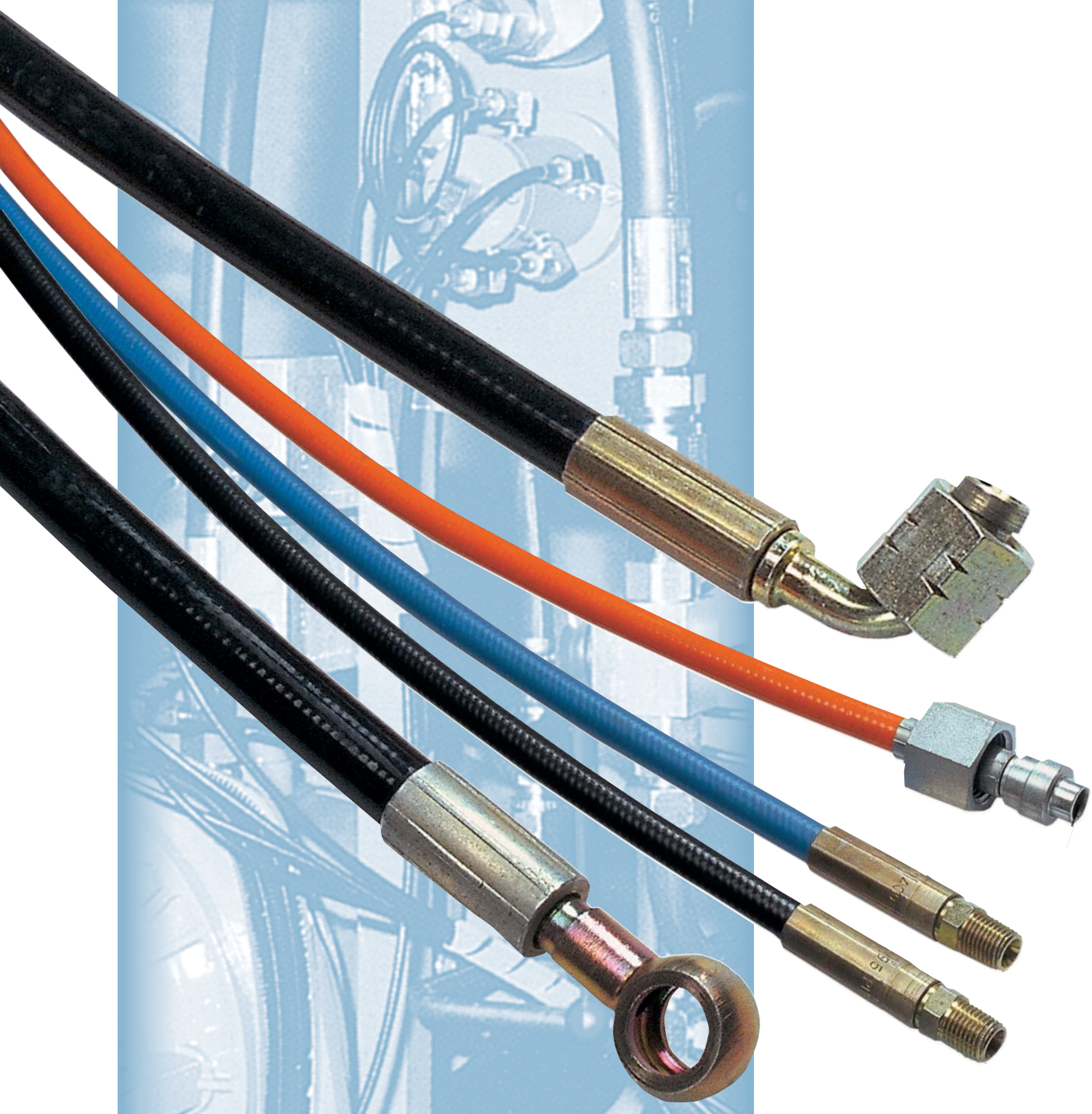
KOHAFLEX®



Hydraulic hoses

Introduction

Company **KOHAFLEX** was founded in 1992.Kohaflex is manufacturing metal pressure hoses from stainless steel,expansion joints, high-pressure, plastic and PTFE hoses. Business activities are oriented on selling of rubber and plastic hoses, rubber and farbric expansion joints, fittings, thermal-insulation fabrics and seeling components. Company **KOHAFLEX** also practise engineering activity in area of compensation pipelines, aplications of hoses and other offered products.
Products company **KOHAFLEX** are certificated by Slovak state sample rooms.
Since year 2002 company has certificated system of quality control ISO 9001:2000.

Use of hydraulic hoses

Thermoplastic and rubber hoses could be used in following applications:

- in minihydraulic from Ø 2 up to 4 mm
- in common low-pressure and high-pressure hydraulic up to 700 bar
- in ultra high-pressure hydraulic up to 2800 bar
- in painting technique Airless
- in chemical plant
- at high-pressure cleaning by water (etc. pipeline)
- at concrete and Water Jetting
- ar cleaning of canals
- for gas medium (propane calor gas, coal-gas, natural gas, acetylene, argon)
- for fuel and oil (petrol, mineral oil, petroleum material)
- for transport of water, water and oil emulsions
- for pressured air – pneumatics

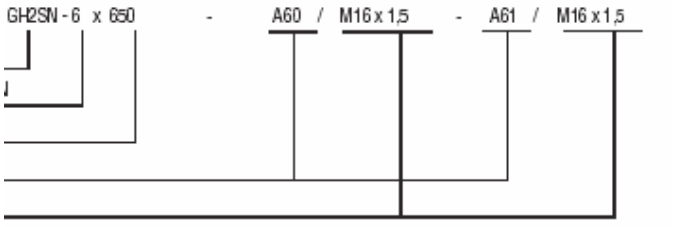
Tests for hoses

KOAHFLEX on request does following for armed hoses:

- pneumatic test for tightness of pressured air or nitrogen up to pressure 0,6 Mpa
- hydraulic test for pressure resistance 1,5 times of nominal pressure
- penetration test for conjuction of molecule He and will issue the TESTING RECORD about the test flow

Ordering

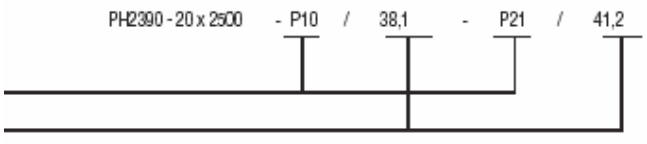
Hoses with direct fittings



Type of hose
Inside diameter DN
Lenght in mm

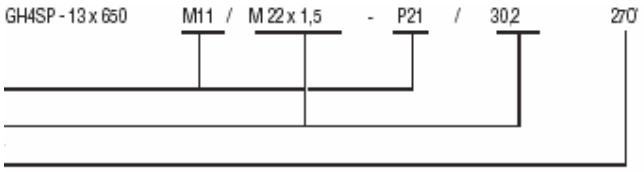
Type of endings
Connecting dimension

Hoses with flange fittings



Type of endings
Connecting dimension

Hoses with angular fittings



Type of endings

Connecting dimension
Relative position of endings displacement

Marking of hoses

KOHAFLEX	9/98 alebo H 010/98	PN 250	DN 20
označenie firmy	mesiac a rok výroby alebo číslo zmluvy o dielo	nominálny tlak	nominálny priemer

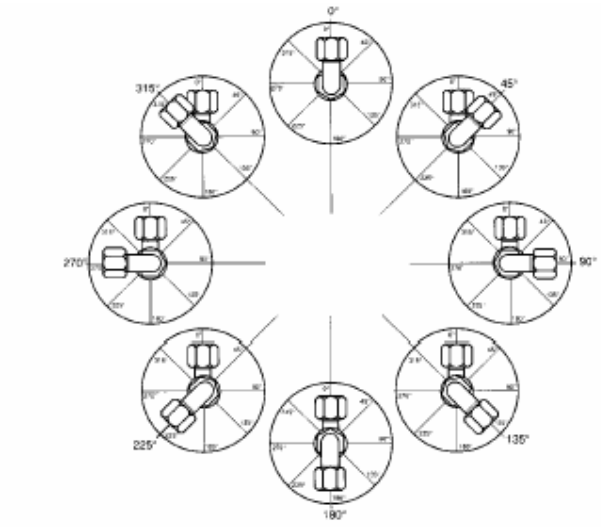
Linear tolerance

L (mm)	up to DN 25	from DN 25 up to DN 50	from DN 60 up to DN 100
up to 360	+ 7 - 3	+ 12 - 4	+ 25 - 6
from 630 up to 1250	+ 12 - 4	+ 20 - 6	
from 1250 up to 2500	+ 20 - 6	+ 25 - 6	
from 2500 up to 8000	+ 1,5 % - 0,5 %		
from 8000	+ 3 % - 1 %		

Linear tolerance is in (mm).

Total lenght of hose

Angle of endings displacement



Thermoplastic hoses DIN 20024/ISO 6803

Thermoplastic hoses are evolutionary new and they have a lot of advantages in comparison with rubber hydraulic hoses, following:

- high flexibility and good elasticity
- small outside diameter and small bending radius, generally 6-times DN of hose
- high limit of fatigue at the alternating bending stress
- temperature resistance from – 50°C up to + 125°C, good elasticity also at – 50°C
- good resistance against aggressive medium
- they do not slack and also age by UV radiance
- any abrasion of inside ply and for that there is no pollution in hydraulic system
- resistant against oil according to ASTM no. 3 and ozone ASTM D 518
- have min. pressure defection issued by smooth ply
- they are 1/3 lower weight in comparison with traditional rubber hoses
- possibility to deliver in multiply version (twin, triple)
- do not contain halogens, so in the case of fire there will not be toxic gas

PH

PH 2040N
PH2040H
PH2020N

High pressured hydraulic DIN 20022 Part 1

Inside ply of hose: inside ply for 2040N polyamid for 2040H polyester – elastomer
Arming: braiding from steel wire with high firmness in traction
Outside ply: black polyuretane, other colours according to selection
Range of temperatures: from – 40°C up to + 110°C, for hydraulic fluids on base of synthetic and mineral oils. Change of lenght by effect of pressure and temperature from +2% up to -4%.
Use: general hydraulic on base of synthetic or mineral oils, high-lifting equipment, earth machines, instruments, PH 2040N gas-creating mediums, transporting of drinks, transpotring of colours, for higher chemical resistance
Ø 2,3,4 – hose PH 2020N

DN	*Inside diameter (mm)*	*Outside diameter (mm)*	*Max. working pressure (Mpa)*	*Min. burst pressure (Mpa)*	*Min. bending radius (mm)*	*Weight (kg/m)*
2	*2*	*4,9*	*47,5*	*190*	*20*	*0,016*
3	*2,9*	*6*	*40*	*160*	*30*	*0,023*
4	*4*	*8,1*	*44*	*176*	*40*	*0,042*
5	*4,7*	*9,8*	*34*	*136*	*30*	*0,11*
6	*6,3*	*11,9*	*31*	*124*	*40*	*0,16*
8	*8,2*	*14,0*	*25*	*100*	*50*	*0,21*
10	*9,7*	*15,9*	*24*	*96*	*60*	*0,24*
12	*12,8*	*19,3*	*18,5*	*74*	*75*	*0,29*
16	*16,0*	*23,5*	*14*	*56*	*110*	*0,39*
20	*19,4*	*26,7*	*12,5*	*50*	*170*	*0,50*
25	*25,0*	*33,5*	*10*	*40*	*230*	*0,60*

PH

PH 2370N
PH590

High pressure hose
DIN 20022 Part 2

Inside ply of hose: polyamid from Ø12 polyester – elastomer
Arming: double braiding from wound steel wire with high firmness in traction
Outside ply: black polyuretane, other colours according to selection
Range of temperatures: from – 40°C up to + 100°C short-time +125°C for oils on base of synthetic and mineral oils, maximum +57°C for hydraulic medium on base of water. Change of lenght by effect of pressure and temperature from +2% up to -4%.
Use: general hydraulic on base of synthetic or mineral oils, polyamid ply partly resistant to agresive chemical materials, suitable for colours, espacially suitable for hydraulics instruments, tension elements, life-saving equipments
Ø 16,20,25 for PH 590

DN	*Inside diameter (mm)*	*Outside diameter (mm)*	*Max. working pressure (Mpa)*	*Min. burst pressure (Mpa)*	*Min. bending radius (mm)*	*Weight (kg/m)*
6	*6,3*	*12,4*	*46,5*	*186*	*70*	*0,19*
8	*8,2*	*14,3*	*35,0*	*140*	*100*	*0,25*
10	*9,7*	*16,4*	*33,0*	*132*	*120*	*0,33*
12	*12,8*	*19,6*	*27,5*	*110*	*150*	*0,42*
16	*15,9*	*24,6*	*21,0*	*84*	*152*	*0,57*
20	*19,1*	*27,9*	*15,5*	*62*	*178*	*0,66*
25	*25,4*	*36,1*	*14,0*	*56*	*203*	*0,88*

PH

PH2390

High pressured hydraulic
DIN 20023 Part 1

Inside ply of hose: polyester – elastomer
Arming: double braiding from wound steel wire with high firmness in traction
Outside ply: polyester – elastomer
Range of temperatures: temperature resistance from – 40°C up to +100°C (short-time +125°C)
Use: general high pressured hydraulic on base of synthetic or mineral oils, espacially suitable for tension elements, earth machines, life-saving equipments, hydraulic equipment, lifting equipments

DN	*Inside diameter (mm)*	*Outside diameter (mm)*	*Max. working pressure (Mpa)*	*Min. burst pressure (Mpa)*	*Min. bending radius (mm)*	*Weight (kg/m)*
10	*9,7*	*18*	*44,5*	*178,0*	*160*	*0,42*
12	*12,8*	*21*	*41,5*	*166,0*	*200*	*0,565*
16	*16*	*24,8*	*35,0*	*140,0*	*240*	*0,775*
20	*19,4*	*29*	*35,0*	*140,0*	*290*	*0,93*
25	*25*	*35*	*28,0*	*112,0*	*340*	*1,255*

PH

PH2240

High pressured hydraulic
Extremely high pressure

Inside ply of hose: DN 4-8 polyoxymethylene DN 10-25 polyamid
Arming: four wounded braidings from steel wire with high firmness in traction
Outside ply: polyamid DN 4-8 blue, DN 10-25 black
Range of temperatures: temperature resistance from – 40°C up to +100°C (short-time +125°C)
Use: high pressured hydraulic on base of synthetic or mineral oils, for gas-creating mediums, for chemicaly agresive mediums, colours, hydraulic biassing equipments, testing conditions

DN	*Inside diameter (mm)*	*Outside diameter (mm)*	*Max. working pressure (Mpa)*	*Min. burst pressure (Mpa)*	*Min. bending radius (mm)*	*Weight (kg/m)*
4	*3,9*	*9,5*	*220*	*550*	*100*	*0,19*
5	*4,7*	*11,5*	*180*	*450*	*130*	*0,28*
6	*6,3*	*12,5*	*164*	*410*	*155*	*0,32*
8	*8,0*	*15,1*	*150*	*375*	*175*	*0,44*
10	*9,7*	*19,4*	*140*	*350*	*190*	*0,70*
12	*12,8*	*22,5*	*130*	*325*	*200*	*0,94*
20	*19,4*	*30*	*100*	*250*	*250*	*1,39*
25	*25*	*37*	*90*	*225*	*300*	*1,90*

PH

PH2640D

High pressured hydraulic
Extremely high pressure

Inside ply of hose: DN 4-8 polyoxymethylene DN 10-25 polyamid
Arming: six wounded braidings from steel wire with high firmness in traction
Outside ply: polyamid DN - blue
Range of temperatures: from – 40°C up to +100°C short-time +125°C for oils on base of synthetic or mineral oils
Use: high pressured hydraulic on base of synthetic or mineral oils, for gas-creating mediums, for chemicaly agresive mediums, colours, hydraulic biassing equipments, testing conditions

DN	*Inside diameter (mm)*	*Outside diameter (mm)*	*Max. working pressure (Mpa)*	*Min. burst pressure (Mpa)*	*Min. bending radius (mm)*	*Weight (kg/m)*
4	*3,9*	*10,6*	*280*	*700*	*140*	*0,19*
5	*4,7*	*13*	*250*	*625*	*175*	*0,41*
8	*8*	*16,9*	*210*	*525*	*225*	*0,68*
12	*12,8*	*24,5*	*180*	*450*	*290*	*1,36*
20	*19,4*	*33,0*	*140*	*350*	*350*	*2,10*

PH

Teflon hoses PTFE

Inside ply of hose: PTFE
Arming: braiding from steel wire with high firmness in traction
Range of temperatures: from – 70℃ up to +150℃, for steam 250℃ at 1 MPa
Use: medium heavy hydraulics at high temperature, chemicaly agresive mediums, acids, alkaline and chloride fusions of water

PH2030T

DN	Inside diameter (mm)	Outside diameter (mm)	Max. working pressure (Mpa)	Min. burst pressure (Mpa)	Min. bending radius (mm)	Weight (kg/m)
5	4,7	7,8	27,5	110	50	0,09
6	6,3	9,5	24	96	75	0,13
8	8,2	11,5	20	80	100	0,17
10	9,7	13,3	17,5	70	120	0,19
12	12,8	16,7	15	60	135	0,29
16	16	20	12,5	50	160	0,34
20	19,4	23,5	10	40	200	0,41
25	25	29	8	32	250	0,51

PH 2033T

DN	Inside diameter (mm)	Outside diameter (mm)	Max. working pressure (Mpa)	Min. burst pressure (Mpa)	Min. bending radius (mm)	Weight (kg/m)
6	6,3	11,0	27,5	110,0	75	0,23
8	8,2	13,2	25,0	100,0	100	0,26
10	9,7	15,0	22,5	90,0	120	0,34
12	12,8	18,8	20,0	80,0	135	0,47
16	16,0	21,5	17,5	70,0	160	0,53
20	19,4	25,5	15,0	60,0	200	0,69
25	25,0	31,0	12,5	50,0	250	0,81

Rubber hydraulic hoses

Most often used in hydraulic machines and equipments. Main advantage of rubber hydraulic hoses opposite thermoplastic hoses is long-time lasting tradition, variousness of range of goods and price of hoses.

GH

Hoses for high pressure cleaning equipments

GHHW1T

Inside ply of hose: water resistant synthetic rubber
Arming: one-ply wired braiding
Outside ply: synthetic rubber with high resistance against abrasion, ozone and atmospheric effect, possibility to deliver in blue and green colour
Range of temperatures: from – 10℃ up to +155℃, min. working temperature of hose -40℃
NOTE: recommended medium: water

DN	Inside diameter (mm)	Outside diameter (mm)	Max. working pressure (Mpa)	Min. burst pressure (Mpa)	Min. bending radius (mm)	Weight (kg/m)
6	6,4	13,5	23,0	100,0	100	0,23
8	7,9	15,0	21,0	85,5	114	0,27
10	9,5	17,4	21,0	78,5	127	0,33
12	12,7	20,7	16,0	68,0	178	0,42

GH

GHHW2T

Hoses for high pressure cleaning equipments

Inside ply of hose: water resistant synthetic rubber
Arming: double-ply wired braiding
Outside ply: synthetic rubber with high resistance against abrasion, ozone and atmospheric effect, possibility to deliver in blue and green colour
Range of temperatures: from – 10°C up to +155°C, min. working temperature of hose -40°C
NOTE: recommended medium: water

DN	*Inside diameter (mm)*	*Outside diameter (mm)*	*Max. working pressure (Mpa)*	*Min. burst pressure (Mpa)*	*Min. bending radius (mm)*	*Weight (kg/m)*
6	*6,4*	*15,0*	*45,0*	*175,0*	*100*	*0,37*
8	*7,9*	*16,4*	*40,0*	*147,0*	*114*	*0,41*
10	*9,5*	*18,9*	*40,0*	*135,0*	*127*	*0,52*
12	*12,7*	*22,0*	*28,0*	*115,0*	*178*	*0,63*

GH

GH3TE

High pressured hydraulics DIN 20 021 – 3TE

Inside ply of hose: oil resistant synthetic rubber
Arming: two textile braids
Outside ply: rubber with high resistance against oil and atmospheric effect
Range of temperatures: from – 40°C up to +100°C, short-time up to 125°C

DN	*Inside diameter (mm)*	*Outside diameter (mm)*	*Max. working pressure (Mpa)*	*Min. burst pressure (Mpa)*	*Min. bending radius (mm)*	*Weight (kg/m)*
5	*4,8*	*12,8*	*16,0*	*64,0*	*40*	*0,129*
6	*6,4*	*14,4*	*14,5*	*58,0*	*45*	*0,153*
8	*8,0*	*16,9*	*13,0*	*52,0*	*55*	*0,210*
10	*9,5*	*18,5*	*11,0*	*44,0*	*70*	*0,241*
12 (13)	*12,7*	*21,7*	*9,3*	*37,0*	*85*	*0,299*
16	*16,0*	*25,9*	*8,0*	*32,0*	*105*	*0,405*
20	*19,0*	*29,0*	*7,0*	*28,0*	*130*	*0,470*
25	*25,4*	*35,9*	*5,5*	*22,0*	*150*	*0,633*
32	*31,8*	*42,3*	*4,5*	*18,0*	*190*	*0,774*
40	*38,1*	*49,6*	*4,0*	*16,0*	*240*	*0,973*
50	*50,8*	*62,3*	*3,3*	*13,0*	*300*	*1,246*

GH

GH1ST
GH1SN

High pressured hydraulics DIN 20 022

Inside ply of hose: black, oil containing synthetic rubber
Arming: mono-ply wired braiding

Outside ply: black synthetic rubber with high resistance against ozone and other atmospheric effect
Range of temperatures: from – 40°C up to +100°C, short-time up to 125°C
Use: overflow of hydraulic fluids, as a: mineral oils, water-oil emulsions, water-glycol fusions,

DN	Inside diameter (mm)	Outside diameter of arming (mm)	Outside diameter (mm)		Max. working pressure (Mpa)	Min. burst pressure (Mpa)	Min. bending radius (mm)	Weight (kg/m)	
			1ST, 1ST2	1SN, 1SN2				1ST	1SN
4	4,8	9,5	12,7	11,8	25,0	100,0	90	0,19	0,18
6	6,4	11,1	15,9	13,4	22,5	90,0	100	0,28	0,22
8	7,9	12,7	17,5	15,0	21,5	85,0	115	0,33	0,26
10	9,5	15,1	19,8	17,4	18,0	72,0	130	0,42	0,33
13	12,7	18,2	23,0	20,6	16,0	64,0	180	0,53	0,43
16	15,9	21,4	26,2	23,7	13,0	52,0	200	0,63	0,50
20	19,0	25,4	30,2	27,7	10,5	42,0	240	0,79	0,65
25	25,4	33,3	38,1	35,6	8,8	35,0	300	1,13	1,00
32	31,8	40,5	46,0	43,5	6,3	25,0	420	1,45	1,26
40	38,1	46,8	52,4	50,6	5,0	20,0	500	1,76	1,57
50	50,8	60,3	66,7	64,0	4,0	16,0	630	2,60	2,21

NOTE: temperature resistance of hose 1ST2 ans 1SN2 is from -55°C up to +150°C

GH

GH2ST
GH2SN

High pressured hydraulics DIN 20 022

Inside ply of hose: black, oil containing synthetic rubber
Arming: double-ply wire braiding
Outside ply: black synthetic rubber resistance against ozone and other atmospheric effect
Range of temperatures: from – 40°C up to +100°C, short-time up to 125°C
Use: overflow of hydraulic fluids, as a: mineral oils, water-oil emulsions, water-glycol fusions, water and air
NOTE: temperature resistance of hose 2ST2 ans 2SN2 is from -55°C up to +150°C

DN	Inside diameter (mm)	Outside diameter of arming(mm)	Outside diameter (mm)		Max. working pressure (Mpa)	Min. burst pressure (Mpa)	Min. bending radius (mm)	Weight (kg/m)	
			2ST, 2ST2	2SN, 2SN2				2 ST	2SN
4	4,8	11,1	15,9	13,4	41,5	165,0	90	0,39	0,34
6	6,4	12,7	17,5	15,0	40,0	160,0	100	0,44	0,37
8	7,9	14,3	19,0	16,6	35,0	140,0	115	0,51	0,43
10	9,5	16,7	21,4	19,0	33,0	132,0	130	0,62	0,52
13	12,7	19,8	24,6	22,2	27,5	110,0	180	0,74	0,62
16	15,9	23,0	27,8	25,4	25,0	100,0	200	0,88	0,77
20	19,0	27,0	31,7	29,3	21,5	85,0	240	1,12	0,97
25	25,4	34,9	39,7	38,1	16,5	65,0	300	1,50	1,43
32	31,8	44,4	50,8	48,3	12,5	50,0	420	2,52	2,27
40	38,1	50,8	57,2	54,6	9,0	36,0	500	2,68	2,37
50	50,8	63,5	69,8	67,3	8,0	32,0	630	3,47	3,13

GH

GH4SP

High pressured hydraulics - ultra high pressure DIN 20023

Inside ply of hose: black, oil containing synthetic rubber
Arming: fourplies wire spiral braiding

Outside ply: black synthetic rubber resistance against ozone and other atmospheric effect
Range of temperatures: from – 40°C up to +100°C, short-time up to 125°C
Use: overflow of hydraulic fluids, as a: mineral oils, water-oil emulsions, water-glycol fusions, water and air
NOTE: outside rubber of 4SP3 is antistatic and fire resistant, assigned for mining industry

DN	Inside diameter (mm)	Outside diameter of arming (mm)	Outside diameter (mm)	Max. working pressure (Mpa)	Min. burst pressure (Mpa)	Min. bending radius (mm)	Weight (kg/m)
6	6,4	14,8	17,8	50,0	180,0	150	0,59
10	9,5	17,6	21,4	46,0	178,0	180	0,76
13	12,7	20,2	24,6	41,5	166,8	230	0,92
16	15,9	23,8	28,2	35,0	140,0	250	1,13
20	19,0	28,2	32,2	35,0	140,0	300	1,57
25	25,4	35,3	39,7	28,0	112,0	340	2,04
32	31,8	46,0	50,8	21,0	84,0	460	3,28
40	38,1	52,4	57,2	18,5	74,0	560	3,80
50	50,8	65,3	69,8	16,5	64,0	660	5,36

GH

GH4SH

High pressured hydraulics - ultra high pressure DIN 20023

Inside ply of hose: water resistant synthetic rubber
Arming: fourplies wire spiral braiding
Outside ply: rubber with high resistance against oil and atmospheric effect
Range of temperatures: from – 40°C up to +100°C, short-time up to 121°C

DN	Inside diameter (mm)	Outside diameter (mm)	Max. working pressure (Mpa)	Min. burst pressure (Mpa)	Min. bending radius (mm)	Weight (kg/m)
20	19,0	32,2	42,0	168,0	280	1,556
25	25,4	38,7	38,0	152,0	340	2,087
32	31,8	45,5	32,5	130,0	460	2,571
40	38,1	53,5	29,0	116,0	560	3,439
50	50,8	68,1	25,0	100,0	700	4,903

Protective hoses

Thermal protection:

Pyrotex - sleeve from glass yarns coated with silicone rubber. It has a ability to resist splashed moulded metal without leaving scabs.

Working temperature: up to 260°C non-stop, up to 1090°C for 20 minutes, up to 1640°C for 30 seconds
Dimensions of sleeve: DN 10,11,12,16,19,22,25,28,32,35,38,41,44,51,57,63,70,76,82,88,102

BB51 and BB52 - sleeves from ceramic yarns, which are reinforced with glass (BB51) or inconel (BB52), what increase thermal and mechanical characteristic.

Working temperature: BB51 – up to 700°C non-stop
BB52 – up to 1100°C non-stop
Dimensions of sleeve: DN 10,15,20,25,28,30,40,50,60

CB30 – sleeve from glass yarns

Working temperature: up to 550°C non-stop
Dimensions of sleeve: DN 12,15,20,25,30,35,40,45,50,60,70,80,100

NOTE: More information you can find in our catalogue for **Thermal insulating materials.**

Metal spirals – circular section (type SK) or flat section (type SP) made from high quality flexible wire protective from mechanical damage. Spiral must be put before mounting the fittings.

Dimensions of spiral:

SK14	SK23	SK30	SK48
SK18	SK25	SK34	SK51
SK20	SK27	SK41	SK52

SP13	SP19	SP26	SP41
SP15	SP21	SP29	SP48
SP17	SP23	SP33	SP54

Plastic spiral – GS – made from highflexible plastic, suitable for protection of hoses before mechanical damage, suitable also for binding lobe of hoses.

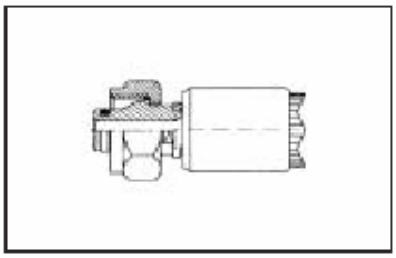
Dimensions of spiral: outside / inside diameter

GS 12/8	GS 25/20	GS 50/44	GS 90/80
GS 16/12	GS 32/27	GS 63/56	GS 110/100
GS 20/16	GS 40/36	GS 75/67	

W 10

Fitting type W 10

KAE – KAERCHER
OER – OERTZEN, WAP

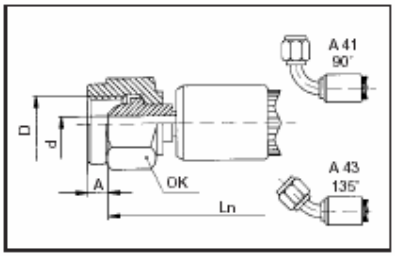


DN	IN	D	d					A	OK
			Typ hadice						
			GG	GHM, GHH, PHTC, PH2030T, GH1SN/1ST, GH2SN/2ST	4 SP	PH 2440D	PH 2640D		
				PH2040N/2040H, PH2370N/590	PH2390H				
6	1/4	M 22x1,5 KAE							
8	5/16	M 22x1,5 KAE							
8	5/16	M 22x19 OER							
8	5/16	M 21x1,5 WAP							
10	3/8	M 22x1,5 KAE							
10	3/8	M 22x19 OER							
10	3/8	M 21x1,5 WAP							
12	1/2	M 22x1,5 KAE							

A 40

Fitting type A 40

For sealing cone 60° with BSP thread (DKR)

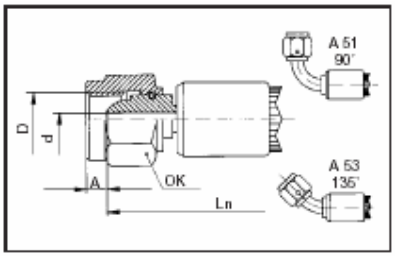


DN	IN	D	d					A	OK
			Typ hadice						
			GG	GHM, GHH, GH1SN/1ST, GH2SN/2ST	4 SP	PH 2440D	PH 2640D		
				PH2040N/2040H, PH2370N/590	PH2390H				
2	5/64								
3	1/8	G 1/4		2				3,5	17
4	5/32	G 1/4	3,5	3				3,5	17
4/5	3/16	G 1/4		2,4		2,4	2	3,5	17
6	1/4	G 1/4	5,5	4	3,6	3,6		3,5	17
8	5/16	G 3/8	7	5,5	5,5	4		3,5	22
10	3/8	G 3/8	9	7	7	5		3,5	24
12/13	1/2	G 5/8	12	10	9	7		5,5	27
16	5/8	G 3/4		13	12			5,5	32
20	3/4	G 1"		15,5	15	13		5,5	41
25	1	G 1 1/4"		21,5	20	17,5		8	50
32	1 1/4	G 1 1/2"		28	17			8	55
40	1 1/2	G 2"		34	33			9	70
50	2	G 2 1/2"		45	44			9	80

A 50

Fitting type A 50

For sealing cone 60° with BSP thread

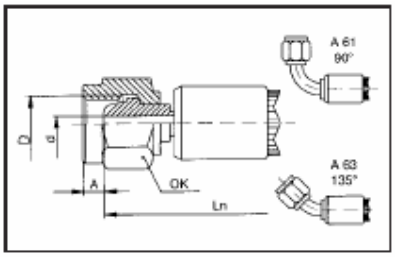


DN	IN	D	d					A	OK
			Typ hadice						
			GG	GHM, GHH, PHTC, PH2030T, GH1SN/1ST, GH2SN/2ST	4 SP	PH 2440D	PH 2640D		
				PH2040N/2040H, PH2370N/590	PH2390H				
2	5/64								
3	1/8	G 1/8		2					17
4	5/32	G 1/8		2					17
5	3/16	G 1/8		2,4					17
6	1/4	G 3/8		3,8					19
8	5/16	G 1/4		3,8					19
10	3/8	G 1/2		6,5				6,4	24
12/13	1/2	G 1/2		9,5	9	7		6,5	27
16	5/8	G 5/8		12	12			8,2	30
20	3/4	G 3/4		15,5	15			8,3	32
25	1	G 1"		20	20			10,8	41
32	1 1/4	G 1 1/4"		27	27			10,3	50
40	1 1/2	G 1 1/2"		33	33			10,5	55
50	2	G 2"		42	42			10,5	70

A 60

Fitting type A 60

For sealing cone from 24° to 60°
Light serie DIN 7647 (DKL)

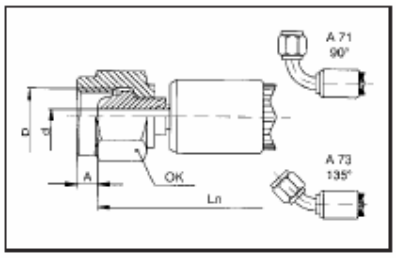


DN	IN	D	d					A	OK
			Typ hadice						
			GG	GHM, GHH, PHTC, PH2030T, GH1SN/1ST, GH2SN/2ST	4 SP	PH 2440D	PH 2640D		
				PH2040N/2040H, PH2370N/590	PH2390H				
2	5/64								
3	1/8	M 12x1,5		2				2,5	
4	5/32								
4/5	3/16	M 12x1,5		3				3	17
6	1/4	M 14x1,5		4		3,6	2	3	17
8	5/16	M 16x1,5		5,5				3	19
10	3/8	M 18x1,5		7				3	22
12/13	1/2	M 22x1,5		10	9			5	27
16	5/8	M 26x1,5		13	12			5	32
20	3/4	M 30x1,5		15,5	15			5	36
25	1	M 38x1,5		21,5	20			7	46
32	1 1/4	M 45x2,0		28	27			7	50
40	1 1/2	M 52x2,0		34	33			9	55
50	2								60

A 70

Fitting type A 70

For sealing cone from 24° to 60°
Heavy serie DIN 3902 (DKS)

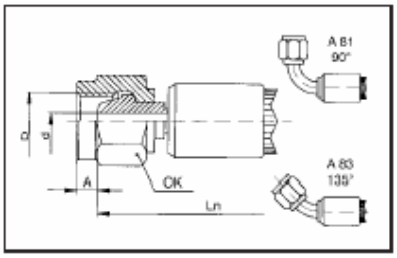


DN	IN	D	d Typ hadice GG	d Typ hadice GHM, GHH, GH1SN/1ST, GH2SN/2ST PH2040N/2040H, PH2370N/590	d Typ hadice 4SP PH2390H	d Typ hadice PH2440D	d Typ hadice PH2640D	A	OK
2	5/64								
3	1/8								
4	5/32								
5	3/16	M 14x1,5			2,4	2,4	2		22
6	1/4	M 18x1,5		4				4	22
8	5/16	M 20x1,5		5,5				4,5	24
10	3/8	M 22x1,5		7				7,5	27
12/13	1/2	M 24x1,5		10	9			7	30
16	5/8	M 30x2,0		13	12			10,5	36
20	3/4	M 36x2,0		15	15			11	46
25	1	M 42x2,0		21	20			13,5	50
32	1 1/4	M 52x2,0		27	27			15,5	60
40	1 1/2								
50	2								

A 80

Fitting type A 80

For sealing cone from 24° to 60°
Light serie DIN 3902

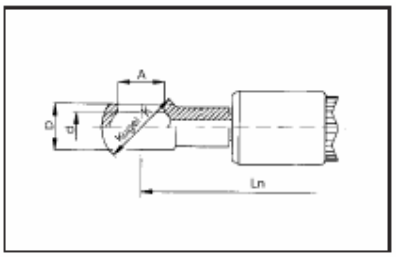


DN	IN	D	d Typ hadice GG	d Typ hadice GHM, GHH, GH1SN/1ST, GH2SN/2ST PH2040N/2040H, PH2370N/590	d Typ hadice 4SP PH2390H	d Typ hadice PH2440D	d Typ hadice PH2640D	A	OK
2	5/64								
3	1/8								
4	5/32								
5	3/16								
6	1/4	M8x1s,M8x1s,M8x1s							
8	5/16	M 18x1,5							
10	3/8	M 18x1,5, M 22x1,5							
12/13	1/2	M 26x1,5							
16	5/8	M 27x1,5, M 27x2		12	12			6	32
20	3/4	M 30x2		15	15			6,5	36
25	1	M 36x2		21	20			7	45
32	1 1/4	M 45x2		27	27			9,5	55
40	1 1/2	M 52x2		34	33			10	60
50	2								

B 10

Fitting type B 10

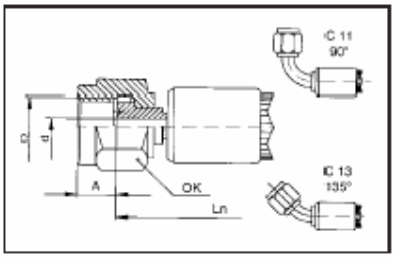
DIN 7642



DN	IN	K	d Typ hadice GG	d Typ hadice GHM, GHH, GH1SN/1ST, GH2SN/2ST	d Typ hadice 4SP	d Typ hadice PH2440D	d Typ hadice PH2640D	A	D
2	5/64								
3	1/8								
4	5/32								
5	3/16	17	3,5	3				10	10
6	1/4	20	5,5	4				12	12
8	5/16	24	7	5,5				14	14
10	3/8	28	9	7				16	16
12/13	1/2	32	12	10	9			20	18
16	5/8	39		13	12			25	22
20	3/4	46		15,5	15			30	26
25	1	54		21,5	20			36	30
32	1 1/4	67		28	27			44	38
40	1 1/2				33				
50	2				44				

C 10

Fitting type C 10

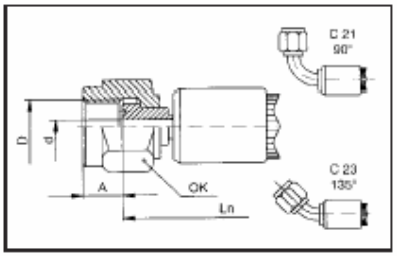


DN	IN	D	d Typ hadice GG	d Typ hadice GHM, GHH, GH1SN/1ST, GH2SN/2ST	d Typ hadice 4SP PH2390H	d Typ hadice PH2440D	d Typ hadice PH2640D	A	OK
2	5/64								
3	1/8								
4	5/32								
4/5	3/16	M 12x1,5	3,5	3				7	17
6	1/4	M 14x1,5	3,5	4				7	17*19
8	5/16	M 16x1,5	7	5,5				7	19*22
10	3/8	M 18x1,5	9	7				7	22
12/13	1/2	M 22x1,5	12	10				9	27
16	5/8	M 26x1,5		13				9	32
20	3/4	M 30x1,5		15,5				9	36
25	1	M 38x1,5		21,5				11	46
32	1 1/4	M 45x2,0		28				11	55
40	1 1/2								
50	2								

C 20

Fitting type C 20

With BSP thread (DKRF)

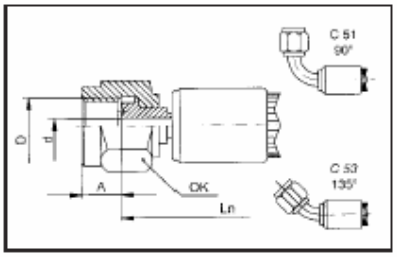


DN	IN	D	d Typ hadice GG	d Typ hadice GHM, GHH, GH1SN/1ST, GH2SN/2ST	d Typ hadice 4 SP	d Typ hadice PH 2440D	d Typ hadice PH 2640D	A	OK
2	5/64								
3	1/8								
4	5/32								
5	3/16	G 1/4	3,5	3				7	17
6	1/4	G 1/4	5,5	4				7	17
8	5/16	G 3/8	7	5,5				7	22
10	3/8	G 1/2	9	7				9	27
12/13	1/2	G 5/8	12	10	9			9	27
16	5/8	G 3/4		13	12			9	32
20	3/4	G 1		15,5	15			12	41
25	1	G 1 1/4		21,5	20			11	50
32	1 1/4	G 1 1/2		28	27			11	60
40	1 1/2				33				
50	2				44				

C 50

Fitting type C 50

With BSP thread

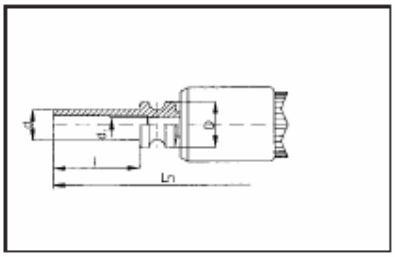


DN	IN	D	d Typ hadice GG	d Typ hadice GHM, GHH, GH1SN/1ST, GH2SN/2ST	d Typ hadice 4 SP PH2350H	d Typ hadice PH 2440D	d Typ hadice PH 2640D	A	OK
2	5/64								
3	1/8								
4	5/32								
5	3/16								
6	1/4								
8	5/16	G 1/4	7	5,5				7	14
10	3/8	G 3/8	9	7				7	22
12/13	1/2	G 1/2	12	10				9	27
16	5/8	G 5/8		13				9	30
20	3/4	G 3/4		15,5				9	32
25	1	G 1		21,5				11	41
32	1 1/4	G 1 1/4		28				11	50
40	1 1/2								
50	2								

D 10

Fitting type D 10

For sealing cone 74°

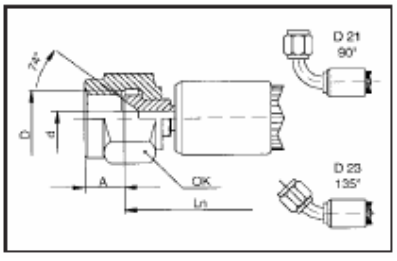


DN	IN	D	d Typ hadice GG	d Typ hadice GHM, GHH, GH1SN/1ST, GH2SN/2ST	d Typ hadice 4 SP	d Typ hadice PH 2440D	d Typ hadice PH 2640D	A	OK
2	5/64								
3	1/8								
4	5/32								
5	3/16	G 1/4	3,5	3				7	17
6	1/4	G 1/4	5,5	4				7	17
8	5/16	G 3/8	7	5,5				7	22
10	3/8	G 1/2	9	7				9	27
12/13	1/2	G 5/8	12	10	9			9	27
16	5/8	G 3/4		13	12			9	32
20	3/4	G 1		15,5	15			12	41
25	1	G 1 1/4		21,5	20			11	50
32	1 1/4	G 1 1/2		28	27			11	60
40	1 1/2				33				
50	2				44				

D 20

Fitting type D 20

For sealing cone 74° with UNF thread SAE, J514 (IGJ-JIC)

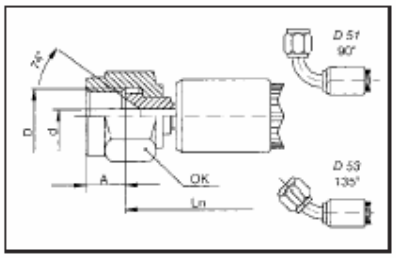


DN	IN	D	d Typ hadice GG	d Typ hadice GHM, GHH, GH1SN/1ST, GH2SN/2ST PH2040N/2040H, PH2370N/590	d Typ hadice 4 SP PH2350H	d Typ hadice PH 2440D	d Typ hadice PH 2640D	A	OK
2	5/64								
3	1/8								
4	5/32	7/16-20UNF		2				7,5	14
5	3/16	7/16-20UNF		2,4				8	14
6	1/4	1/2-20UNF		3,8	3,6			8	17
8	5/16	9/6-18UNF		5,5	5,5			9,5	17
10	3/8	3/4-16UNF		7	7			10,5	22
12/13	1/2	7/8-14 UNF		10	9			13,5	27
16	5/8	1 1/16 12 UNF		13	12			15,5	32
20	3/4	1 5/16 12 UNF		15,5	15			16,5	38
25	1	1 5/8 12 UNF		21,5	20			17	50
32	1 1/4	1 7/8 12 UNF		28	27			20	55
40	1 1/2								
50	2								

D 50

Fitting type D 50

For sealing cone 74° with UNF thread
SAE J514

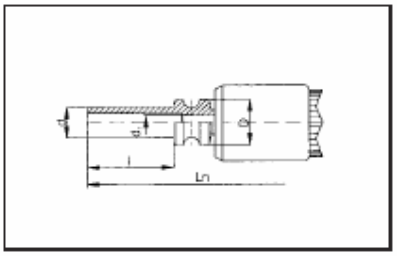


DN	IN	D	d					A	OK
			Typ hadice						
			GG	GHM, GHH, PHTC, PH2030T, GH1SN/1ST, GH2SN/2ST	4 SP	PH 2440D	PH 2640D		
				PH2040N/2040H, PH237ON/590	PH2390H				
2	5/64								
3	1/8								
4	5/32								
5	3/16								
6	1/4	7/16-20UNF		4				10	14
8	5/16	1/2-20UNF		5,5				10	17
10	3/8	9/16-18UNF		7				10	17
12/13	1/2	3/4-16 UNF		10	9			11	22
16	5/8	7/8 14 UNF		13	12			13	27
20	3/4	1 1/16 12 UNF		15	15			14,5	32
25	1	15/16 12 UNF		21	20			15,5	38
32	1 1/4	1 5/8 12 UNF		27	27			15,5	46
40	1 1/2	1 1/2 12 UNF		33	33			19	50
50	2	2 1/2 12 UNF		44	44			22	75

F 10

Fitting type F 10

Metric stand type – light serie
DIN 3353 (BEL)

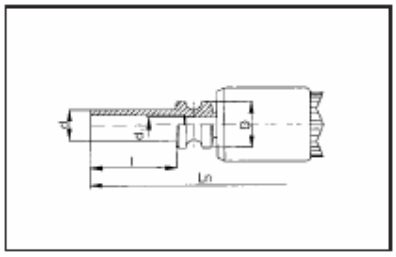


DN	IN	D	d_1					A	d
			Typ hadice						
			GG	GHM, GHH, GH1SN/1ST, GH2SN/2ST	4 SP	PH 2440D	PH 2640D		
				PH2040N/2040H, PH237ON/590	PH2390H				
2	5/64			1,1					4
3	1/8								
4	5/32	12	3,5	3				20	6
5	3/16	12		2,4					6
6	1/4	12	5,5	4				22	8
8	5/16	14	7	5,5				24	10
10	3/8	17	9	7				27	12
12/13	1/2	20	11	10				30	15
16	5/8	22		13				32	18
20	3/4	27		15,5				34	22
25	1	32		21,5				36	28
32	1 1/4								
40	1 1/2								
50	2								

F 20

Fitting type F 20

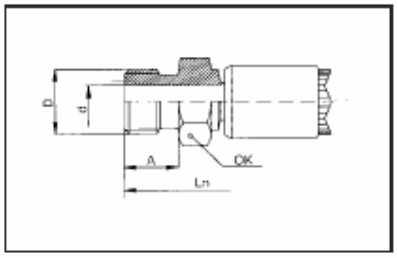
Metric stand type – heavy serie
DIN 3353 (BES)



DN	IN	D	d_1					A	d
			Typ hadice						
			GG	GH1SN/1ST, GH2SN/2ST	4 SP	PH 2440D	PH 2640D		
				PH2040N/2040H, PH237ON/590	PH2390H				
2	5/64								
3	1/8								
4	5/32	12		3				23	8
5	3/16								
6	1/4	12		4				24	10
8	5/16	14		5,5				25	12
10	3/8	17		7				27	14
12/13	1/2	20		10				30	16
16	5/8	22		13				32	20
20	3/4	27		15,5				34	25
25	1	32		21,5				36	30
32	1 1/4	42		28				40	38
40	1 1/2								
50	2								

G 10

Fitting type G 10

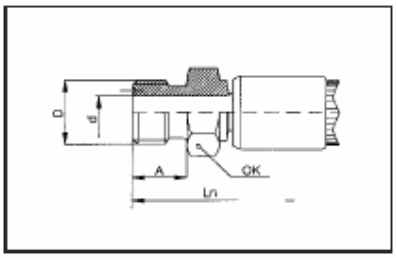


DN	IN	D	d					A	OK
			Typ hadice						
			GG	GHM, GHH, GH1SN/1ST, GH2SN/2ST	4 SP	PH 2440D	PH 2640D		
					PH2390H				
4	3/16								
6	1/4	M14x1,5	5,5	4				10	14
8	5/16	M16x1,5	7	5,5				10	17
10	3/8	M18x1,5	9	7				10	19
13	1/2	M22x1,5	12	10				12	22
16	5/8	M26x1,5		13				12	27
20	3/4	M30x1,5		15,5				12	30
25	1	M38x1,5		21,5				14	41
32	1 1/4	M45x1,5		28				14	46
40	1 1/2								
50	2								

G 20

Fitting type G 20

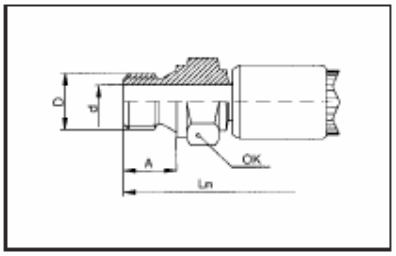
with BSP thread



DN	IN	D	d				A	OK
			Typ hadice					
			GG	GHM, GHH, GH1SN/1ST, GH2SN/2ST	4 SP	PH 2440D / PH 2640D		
4	3/16	G 1/4	3,5	3			12	14
6	1/4	G 1/4	5,5	4		2,4	12	17
8	5/16	G 3/8	7	5,5			12	19
10	3/8	G 1/2	9	7			14	22
13	1/2	G 5/8	12	10			14	27
16	5/8	G 3/4		13			16	32
20	3/4	G 1		15,5			16	36
25	1	G 1 1/4		21,5			16	46
32	1 1/4	G 1 1/2		28			16	55
40	1 1/2							
50	2							

G 30

Fitting type G 30

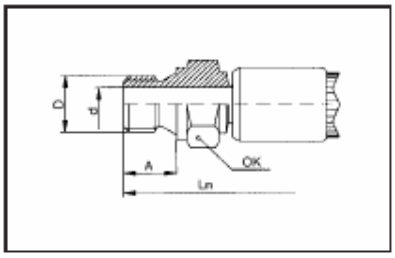


DN	IN	D	d			A	OK
			Typ hadice				
			GG	GHM, GHH, GH1SN/1ST, GH2SN/2ST	4 SP		
				PH2040N/2040H, PH2370N/590	PH2390H		
4	3/16	M 12x1,5	3,5	3		10	14
6	1/4	M 14x1,5	5,5	4		10	17
8	5/16	M 16x1,5	7	5,5		10	19
10	3/8	M 18x1,5	9	7		10	22
13	1/2	M 22x1,5	12	10		12	27
16	5/8	M 26x1,5		13		12	32
20	3/4	M 30x1,5		15,5		12	36
25	1	M 38x1,5		21,5		14	46
32	1 1/4	M 45x1,5		28		14	55
40	1 1/2						
50	2						

G 40

Fitting type G 40

with BSP thread

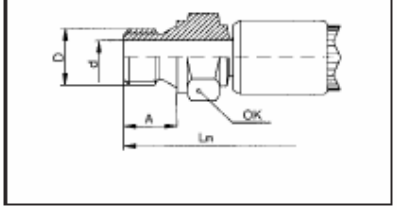


DN	IN	D	d				A	OK
			Typ hadice					
			GG	GHM, GHH, PH-TC, PH2030T, GH1SN/1ST, GH2SN/2ST	4 SP	PH 2440D / PH 2640D		
				PH2040N/2040H, PH2370N/590	PH2390H			
4	3/16	G 1/8	3,5	3			8	14
6	1/4	G 1/4	5,5	4		3,6	12	19
8	5/16	G 3/8	7	5,5			12	22
10	3/8	G 3/8	9	7			12	22
13	1/2	G 1/2	12	10			14	27
16	5/8	G 3/4		13			16	32
20	3/4	G 3/4		15,5			16	32
25	1	G 1		21,5			16	41
32	1 1/4	G 1 1/4		28			16	50
40	1 1/2							
50	2							

G 50

Fitting type G 50

with BSP thread

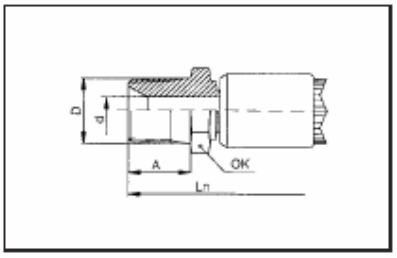


DN	IN	D	d				A	OK
			Typ hadice					
			GG	GHM, GHH, GH1SN/1ST, GH2SN/2ST	4 SP	PH 2440D / PH 2640D		
				PH2040N/2040H, PH2370N/590	PH2390H			
4	3/16	G 1/4		3			12	19
6	1/4							
8	5/16							
10	3/8	G 1/2		7			14	27
13	1/2	G 5/8		10			14	30
16	5/8							
20	3/4	G 1		15,5			16	41
25	1	G 1 1/4		21,5			16	50
32	1 1/4	G 1 1/2		28			16	55
40	1 1/2							
50	2							

G 60

Fitting type G 60

with cone NPT thread (AGN)

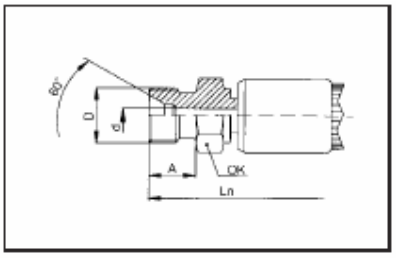


DN	IN	D	d				A	OK
			Typ hadice					
			GG	GHM, GHH, PHTC, PH2030T, GH1 SN/1 ST, GH2SN/2ST	4 SP	PH 2440D / PH 2640D		
				PH 2040N/2040H, PH237ON/590	PH2350H			
4	3/16	1/8-27NPT		3			10	14
6	1/4	1/4-18NPT		4			15	17
8	5/16	3/8-18NPT		5,5			15	19
10	3/8	3/8-18NPT		7			15	19
13	1/2	1/2-14NPT		10	9		20	24
16	5/8	3/4-14NPT		13	12		20	30
20	3/4	3/4-14NPT		15,5	15		20	30
25	1	1-11 1/2 NPT		21,5	20		25	36
32	1 1/4	1 1/4-11 1/2NPT		28	27		25	46
40	1 1/2	1 1/4-11 1/2NPT		34	33		26	50
50	2	2-11 1/2NPT		45	44		27	60

H 10

Fitting type H 10

For sealing cone 60° DIN 7631

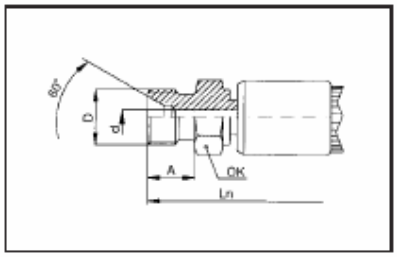


DN	IN	D	d				A	OK
			Typ hadice					
			GG	GHM, GHH, GH1 SN/1 ST, GH2SN/2ST	4 SP	PH 2440D / PH 2640D		
				PH 2040N/2040H, PH237ON/590	PH2350H			
4	3/16	M 12x1,5	3,5	3			10	14
6	1/4	M 14x1,5	5,5	4			10	17
8	5/16	M 16x1,5	7	5,5			10	19
10	3/8	M 18x1,5	9	7			10	22
13	1/2	M 22x1,5	12	10			12	27
16	5/8	M 26x1,5		13			12	32
20	3/4	M 30x1,5		15,5			12	36
25	1	M 38x1,5		21,5			14	46
32	1 1/4	M 45x1,5		28			14	55
40	1 1/2							
50	2							

H 40

Fitting type H 40

For sealing cone 60° with BSP thread (AGR)

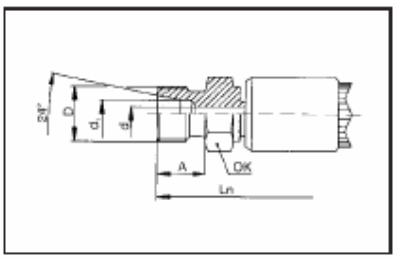


DN	IN	D	d				A	OK
			Typ hadice					
			GG	GHM, GHH, PHTC, PH2030T, GH1 SN/1 ST, GH2SN/2ST	4 SP	PH 2440D / PH 2640D		
				PH 2040N/2040H, PH237ON/590	PH2350H			
4	3/16	G 1/4	3,5	3			11,4	17
6	1/4	G 1/4	5,5	4			11,4	17
8	5/16	G 3/8	7	5,5			14	22
10	3/8	G 1/2	9	7			16,5	24
13	1/2	G 5/8	12	10			17,7	27
16	5/8	G 3/4		13			19,1	32
20	3/4	G 1		15,5			20,3	36
25	1	G 1 1/4		21,5			21,5	46
32	1 1/4	G 1 1/2		28			22,9	55
40	1 1/2	G 2		34			26,4	70
50	2	G 2 1/2		45			26,4	80

J 10

Fitting type J 10

For sealing cone 24°
Light serie DIN 3902 (CEL)

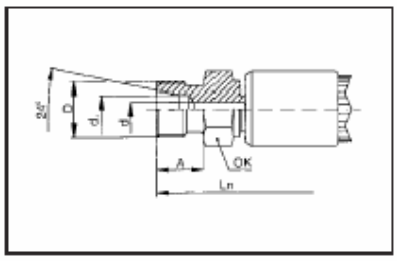


DN	IN	D	d				d_1	A	OK
			Typ hadice						
			GG	GHM, GHH, PHTC, PH2030T, GH1 SN/1 ST, GH2SN/2ST	4 SP	PH 2440D			
				PH 2040N/2040H, PH237ON/590	PH2350H				
4	3/16	M 12x1,5	3,5	3			6	10	14
6	1/4	M 14x1,5	5,5	4			8	10	14
8	5/16	M 16x1,5	7	5,5			10	11	17
10	3/8	M 18x1,5	9	7			12	11	19
13	1/2	M 22x1,5	12	10	9		15	12	22
16	5/8	M 26x1,5		13	12		18	12	27
20	3/4	M 30x2		15,5	15		22	14	30
25	1	M 36x2		21,5	20		28	14	36
32	1 1/4	M 45x2		28	27		35	16	46
40	1 1/2	M 52x2		34	33		42	16	55
50	2								

J 20

Fitting type J 20

For sealing cone 24°
Heavy serie DIN 3902 (CES)

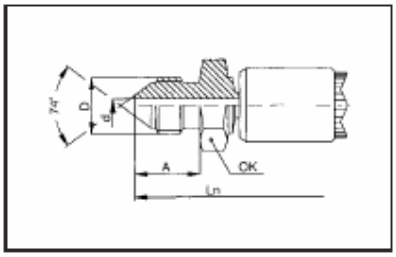


DN	IN	D	d					A	OK
			Typhadice						
			GG	GHM, GHH, PHTC, PH2030T, GH1SN'1ST, GH2SN'2ST	4 SP	PH 2440D	d_1		
				PH2040N/2040H, PH2370N/590	PH2390H				
4	3/16	M 16x1,5	3,5	3			8	12	17
6	1/4	M 18x1,5	5,5	4			10	12	19
8	5/16	M 20x1,5	7	5,5			12	12	22
10	3/8	M 22x1,5	9	7			14	14	24
13	1/2	M 24x1,5	12	10	9		16	14	27
16	5/8	M 30x2		13	12		20	16	32
20	3/4	M 36x2		15,5	15		25	18	41
25	1	M 42x2		21,5	20		30	20	46
32	1 1/4	M 52x2		28	27		38	22	55
40	1 1/2								
50	2								

K 10

Fitting type K 10

For sealing cone 74°

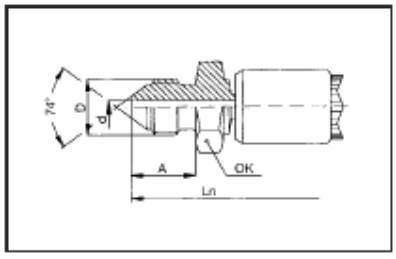


DN	IN	D	d				A	OK
			Typhadice					
			GG	GHM, GHH, GH1SN'1ST, GH2SN'2ST	4 SP	PH 2440D	PH 2640D		
					PH2390H				
4	3/16	M 12x1,5		3				14	14
6	1/4	M 14x1,5		4				14,5	17
8	5/16	M 16x1,5		5,5				15,5	19
10	3/8	M 18x1,5		7				17	22
13	1/2	M 22x1,5		10				19	27
16	5/8	M 27x2		13				22	32
20	3/4	M 33x2		15,5				23	41
25	1	M 39x2		21,5				25	46
32	1 1/4	M 48x2		28				28	55
40	1 1/2								
50	2								

K 20

Fitting type K 20

For sealing cone 74° with UNF thread
SAE J514 (AGJ – JIC)

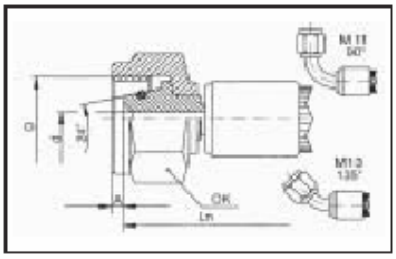


DN	IN	D	d					A	OK
			Typhadice						
			GG	GHM, GHH, PHTC, PH2030T, GH1SN'1ST, GH2SN'2ST		PH 2440D	PH 2640D		
				PH2040N/2040H, PH2370N/590	PH2390H				
4	3/16	7/16-20UNF		3				14	14
6	1/4	1/2-20UNF		4	3,6			14,5	17
8	5/16	9/16-18UNF		5,5	5,5			15,5	19
10	3/8	3/4-16UNF		7	9			17	22
13	1/2	7/8-14UNF		10	9			19	27
16	5/8	1 1/16-12UNF		13	12			22	32
20	3/4	1 5/16-12UNF		15,5	15			23	41
25	1	1 5/8-12UNF		21,5	19			25	46
32	1 1/4	1 7/8-12UN		28	25,5			28	55
40	1 1/2								
50	2								

M 10

Fitting type M 10

For sealing cone 24°
Light serie DIN 3902

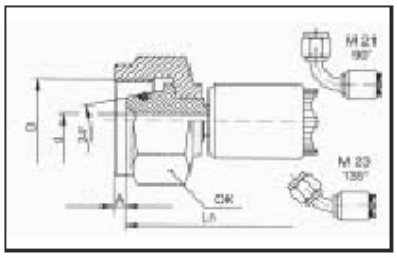


DN	IN	D	d					A	OK
			Typhadice						
			GG	GHM, GHH, PHTC, PH2030T, GH1SN'1ST, GH2SN'2ST	4 SP	PH 2440D	PH 2640D		
				PH2040N/2040H, PH2370N/590	PH2390H				
2	5/64	M 12x1,5/M 14x1,5		1,1				2,5	14/17
4	3/16	M 12x1,5		3				2,5	14
6	1/4	M 14x1,5		4				2	17
8	5/16	M 16x1,5		5,5				2	19
10	3/8	M 18x1,5		7				2	22
13	1/2	M 22x1,5		10				3	27
16	5/8	M 26x1,5		13				4	32
20	3/4	M 30x2		15,5				4	36
25	1	M 36x2		21,5				4,5	41
32	1 1/4	M 45x2		28				7	50
40	1 1/2	M 52x2		34				7	60

M 20

Fitting type M 20

For sealing cone 24 °
Heavy serie DIN 3902 (DKOS)



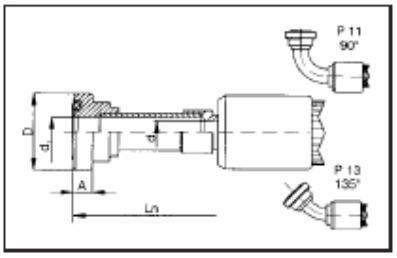
DN	IN	D	d					A	OK
			Typ hadice						
			GG	GHM, GHH, PHTC, PH2030T, GH1SN/1ST, GH2SN/2ST	4SP	PH2440D	PH2640D		
				PH2040N/2040H, PH2370N/590	PH2350H				
2	5/64	M14x1,5/M16x1,5		1,1				2,5	17/19
3	1/8	M16x1,5		1,5				2,5	19
4	5/32	M16x1,5		2				2,5	19
6	1/4	M18x1,5	5,5	4				2,5	24
8	5/16	M20x1,5	7	5,5		4	4	2,5	24
10	3/8	M22x1,5	9	7		6		4	27
13	1/2	M24x1,5	12	10	9	7	7	4	30
16	5/8	M30x2		13	12			4	36
20	3/4	M36x2		15,5	15	13	15	5	46
25	1	M42x2		21,5	20	17,5		6,5	50
32	1 1/4	M52x2		28	27			6,5	60

For PH2440D, PH2640D we do not supply M21, M 23

P 10

Fitting type P 10

For pressure up to 210 bar
SAE J518

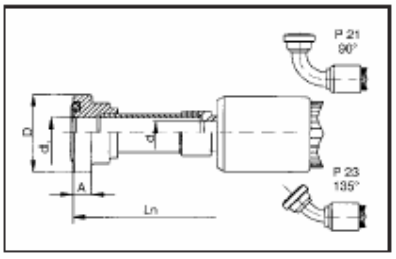


DN	IN	D	d					d_1
			Typ hadice					
			GG	GH1SN/1ST, GH2SN/2ST	4SP	PH2440D	PH2640D	
				PH2040N/2040H, PH2370N/590	PH2350H			
4	3/16							
6	1/4							
8	5/16							
10	3/8							
13	1/2	30,2		10	9			12
16	5/8							
20	3/4	38,1		15,5	15			19
25	1	44,5		21,5	20			25
32	1 1/4	50,8		28	27			31
40	1 1/2	60,3		34	33			38
50	2	71,4		45	44			45

P 20

Fitting type P 20

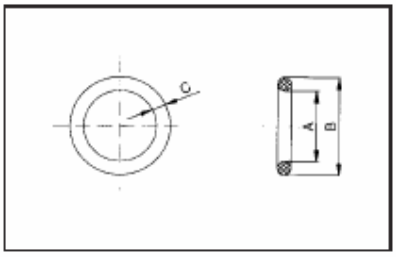
For pressure up to 420 bar
SAE J518



DN	IN	D	d					d_1
			Typ hadice					
			GG	GH1SN/1ST, GH2SN/2ST	4SP	PH2440D	PH2640D	
				PH2040N/2040H, PH2370N/590	PH2350H			
4	3/16							
6	1/4							
8	5/16							
10	3/8							
13	1/2	31,7		10	9			12
16	5/8							
20	3/4	41,2		15,5	15			19
25	1	47,6		21,5	20			25
32	1 1/4	54		28	27			31
40	1 1/2	63,5		34	33			38
50	2	79,3		45	44			45

Ring

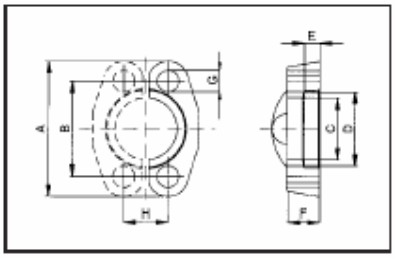
For P10, P20



DN	IN	A	B	C
4	3/16			
6				
8				
10	3/8			
13	1/2	18,84	25,7	3,53
16				
20	3/4	25	32,06	3,53
25	1	32,9	39,98	3,53
32	1 1/4	37,7	44,76	3,53
40	1 1/2	47,2	54,28	3,53
50	2	56,7	63,8	3,53

Flange

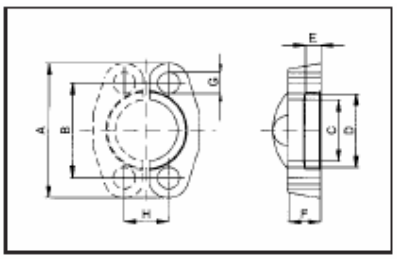
For presuure up to 210 bar



DN	IN	A	B	C	D	E	F	G	H
4	3/16								
6									
8									
10	3/8								
13	1/2	54	38,1	24,6	30,9	13	8,6	9	
16									17,5
20	3/4	65	47,6	32,5	38,8	14,5	10,4	11	22,2
25	1	70	52,4	38,8	45,2	14,5	10,4	11	26,2
32	1 1/4	79,5	58,7	44	51,5	14,5	12,4	12	30,2
40	1 1/2	94	69,8	51	61,1	16	13,4	13,4	35,7
50	2	101,5	77,8	63	72,2	16	13,4	13,4	42,7

Flange

For presuure up to 420 bar

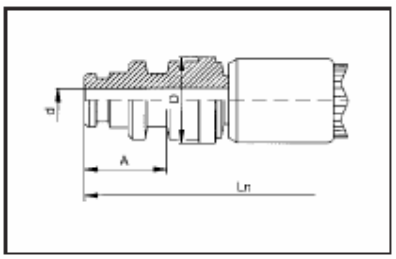


DN	IN	A	B	C	D	E	F	G	H
4	3/16								
6									
8									
10	3/8								
13	1/2	66,5	40,5	24,6	32,5	7,2	22,3	9	18,3
16									
20	3/4	71,5	50,8	32,5	42	8,2	28,4	11	23,8
25	1	81	57,2	38,9	48,4	9	36,6	13	27,8
32	1 1/4	95,5	66,7	44,4	54,7	9,7	39,6	15	31,4
40	1 1/2	113	79,4	51,5	64,2	12	45,9	17	36,5
50	2	133,5	96,8	67,4	80,1	12	19,8	21	44,6

R 10

Fitting type R 10

For coupling O – system



DN	IN	D	d				A
			Typ hadice				
			GG	GHM, GHH, GH1SN/1ST, GH2SN/2ST	4 SP / PH2390H	PH 2440D	PH 2640D	
4	3/16							
6	1/4	16		3,5				21
8	5/16							
10	3/8	22		6				21
13	1/2	25		9				21
16	5/8	27		12				21,8
20	3/4	30		15,5				21
25	1	40		21,5				25
32	1 1/4	48		28				23,5
40	1 1/2							
50	2							

Special fittings

In case that the fittings requested by you are not in catalogue KOHAFLEX Hydraulic hoses, please require them and for easier comunication mention the norm or technical data sheet of fitting.