



VK
systems

CATALOG 2019-2020

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DGS Line

All the chuck of the line DGS are made of rust-free high-grade steel. DGS has a centered drilling and can be delivered in wide diameters (up to 800mm).

Lines are smooth-running and continuously adjustable. Due to a coating on the spiral the chuck need a low maintenance and can be used in water, alimentary and medical technology.

The jaws are vacuum -hardened and polished.

The tightening and loosening function works by turning the spiral by hand or pin.



Precision chuck



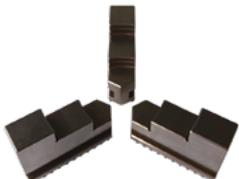
Concentricity	Repetitive accuracy	Lateral runout
0,02mm	0,005mm	0,01mm

Application:
Erode
Manufacturing engineering
Grind
Measuring technology
Automation



	Article	Designation	Package Contents
SPIGOT WITH THROUGH HOLE FOR UNIVERSAL USE			
	DGS.070.000	Chuck 3 DGS 70 basic	Chuck without Jaws, clamping key, hexagonal screwdriver, 3-pieces cylinder head screws (stainless)
	DGS.080.000	Chuck 3 DGS 80 basic	
	DGS.125.000	Chuck 3 DGS 125 basic	
	DGS.160.000	Chuck 3 DGS 160 basic	
	DGS.070.001	Chuck 3 DGS 70 complete	Chuck with 2-set clamping jaws for inside and outside clamping, clamping key, hexagonal screwdriver, 3-pieces cylinder head screws (stainless)
	DGS.080.001	Chuck 3 DGS 80 complete	
	DGS.125.001	Chuck 3 DGS 125 complete	
	DGS.160.001	Chuck 3 DGS 160 complete	
	DGS.070.002	Chuck 3 DGS 70 inside	Chuck with 1-set clamping jaws for inside clamping, clamping key, hexagonal screwdriver, 3-pieces cylinder head screws (stainless)
	DGS.080.002	Chuck 3 DGS 80 inside	
	DGS.125.002	Chuck 3 DGS 125 inside	
	DGS.160.002	Chuck 3 DGS 160 inside	
	DGS.070.003	Chuck 3 DGS 70 outside	Chuck with 1-set clamping jaws for outside clamping, clamping key, hexagonal screwdriver, 3-pieces cylinder head screws (stainless)
	DGS.080.003	Chuck 3 DGS 80 outside	
	DGS.125.003	Chuck 3 DGS 125 outside	
	DGS.160.003	Chuck 3 DGS 160 outside	
	DGS.070.004	Chuck 3 DGS 70 bloc	Chuck with 1-set bloc jaws, clamping key, hexagonal screwdriver, 3-pieces cylinder head screws (stainless)
	DGS.080.004	Chuck 3 DGS 80 bloc	
	DGS.125.004	Chuck 3 DGS 125 bloc	
	DGS.160.004	Chuck 3 DGS 160 bloc	
	DGS.070.005	Chuck 3 DGS 70 basic plus	Chuck with 1-set basic jaws without top jaws, clamping key, hexagonal screwdriver, 3-pieces cylinder head screws (stainless)
	DGS.080.005	Chuck 3 DGS 80 basic plus	
	DGS.125.005	Chuck 3 DGS 125 basic plus	
	DGS.160.005	Chuck 3 DGS 160 basic plus	
	DGS.070.006	Chuck 3 DGS 70 basic combi	Chuck with 1-set basic jaws and reversible top jaws for inside and outside clamping, clamping key, hexagonal screwdriver, 3-pieces cylinder head screws (stainless)
	DGS.080.006	Chuck 3 DGS 80 basic combi	
	DGS.125.006	Chuck 3 DGS 125 basic combi	
	DGS.160.006	Chuck 3 DGS 160 basic combi	
	DGS.070.007	Chuck 3 DGS 70 plus bloc	Chuck with 1-set basic jaws and bloc, clamping key, hexagonal screwdriver, 3-pieces cylinder head screws (stainless)
	DGS.080.007	Chuck 3 DGS 80 plus bloc	
	DGS.125.007	Chuck 3 DGS 125 plus bloc	
	DGS.160.007	Chuck 3 DGS 160 plus bloc	

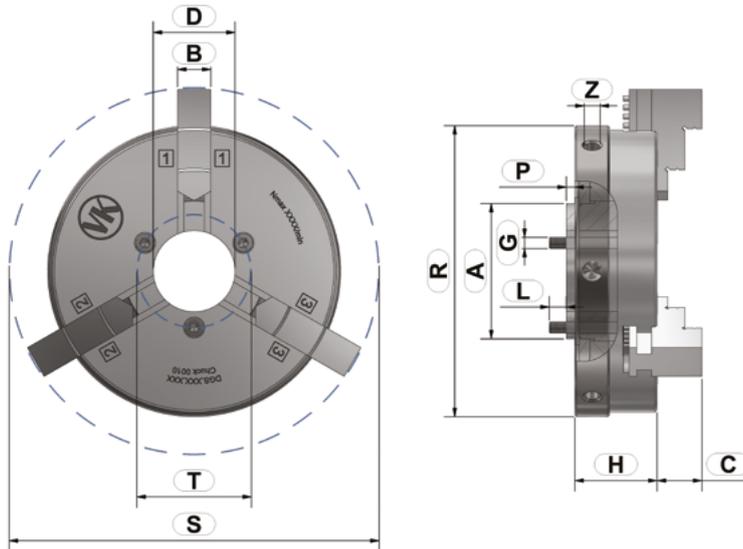


	Article	Designation	Package Contents
SPANDREL SUITABLE FOR LINE DGS			
	DGS.070.013	Clamping Jaws 3 DGS 70 inside	Clamping Jaws made of stainless steel for inside clamping (hardened / ground)
	DGS.080.013	Clamping Jaws 3 DGS 80 inside	
	DGS.125.013	Clamping Jaws 3 DGS 125 inside	
	DGS.160.013	Clamping Jaws 3 DGS 160 inside	
	DGS.070.014	Clamping Jaws 3 DGS 70 outside	Clamping Jaws made of stainless steel for outside clamping (hardened / ground)
	DGS.080.014	Clamping Jaws 3 DGS 80 outside	
	DGS.125.014	Clamping Jaws 3 DGS 125 outside	
	DGS.160.014	Clamping Jaws 3 DGS 160 outside	
	DGS.070.015	Clamping Jaws 3 DGS 70 bloc	Bloc Jaws made of stainless steel
	DGS.080.015	Clamping Jaws 3 DGS 80 bloc	
	DGS.125.015	Clamping Jaws 3 DGS 125 bloc	
	DGS.160.015	Clamping Jaws 3 DGS 160 bloc	
	DGS.070.020	Basic Jaws 3 DGS 70	Basic Jaws made of stainless steel
	DGS.080.020	Basic Jaws 3 DGS 80	
	DGS.125.020	Basic Jaws 3 DGS 125	
	DGS.160.020	Basic Jaws 3 DGS 160	
	DGS.070.114	Top Jaws 3 DGS 70	Reversible top jaws for inside- and outside clamping (hardened / ground)
	DGS.080.114	Top Jaws 3 DGS 80	
	DGS.125.114	Top Jaws 3 DGS 125	
	DGS.160.114	Top Jaws 3 DGS 160	

SPIGOT WITH THROUGH-HOLE FOR UNIVERSAL USE



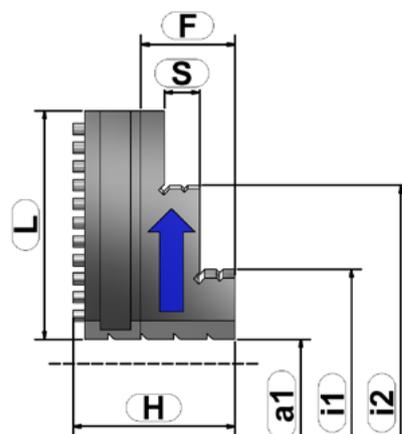
Technical data and ordering overview Type DGS (3-jaw chuck)



Sizes		70	80	110	125	160
A 0/+0,01	Interface [mm]	32	38	50	60	70
B	Jaw width [mm]	11,7	11,7	11,7	14,7	14,7
C	Jaw height (Standard) [mm]	17	15	16,5	19,5	23,75
D	Ø center hole [mm]	18	22	32	36	46
G	Mounting screws	3 x M3	3 x M4	3 x M4	3 x M5	3 x M6
H	Height without Jaws [mm]	27	30	31	36	40,5
L	Thread length [mm]	4,5	5,5	6	7,5	9
P	Fit length [mm]	4	3,75	3,75	3,75	3,5
R	Outside-Ø [mm]	74	84	114	129	164
S	Max. circuit diameter [mm]	100	110	140	165	190
T	Circle for mounting [mm]	26	30	42	50	59
Z	Clamping bore [mm]	5	5	5	7	10
	Concentricity [mm]	0,02	0,02	0,02	0,02	0,02
	Rotation speed n max. [1/min.]	3000	3000	2500	2500	2500
	Travel path [mm im Ø]	25	30	50	60	80
	Weight [mm]	0,9	1,2	2,3	3,4	6
	Order number (without jaws)	DGS.070.000	DGS.080.000	DGS.110.000	DGS.125.000	DGS.160.000

JAWS SET 3 DGS INSIDE (INSIDE CLAMPING)

Technical data and order overview

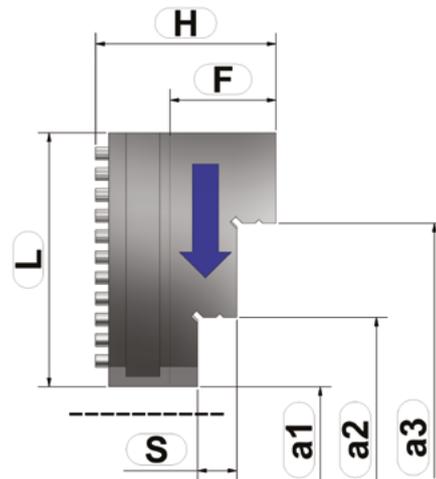
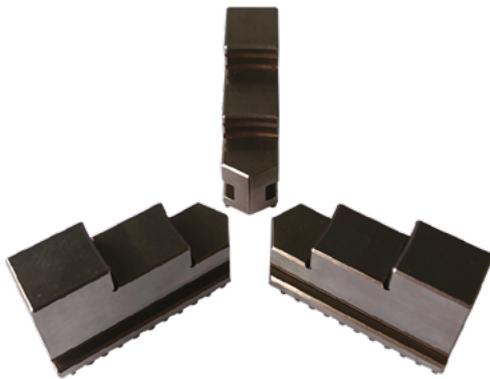


	Sizes	70	80	110	125	160
a1	Clamping range outside	1 - 26	1 - 31	1 - 51	1 - 61	1 - 81
i1	Clamping range inside	18 - 43	18 - 48	24 - 74	32 - 92	34 - 114
i2						
F	Height from Chuck body	17	15	16,5	19,5	23,75
H	Maximum height [mm]	28	28	29,5	34,5	42,5
L	Total length [mm]	31	31	40	49	49
S	Step height	6,5	6,5	7	7,5	10
	Jaw width [mm]	11,7	11,7	11,7	14,7	14,7
	Order number (without Chuck)	DGS.070.013	DGS.080.013	DGS.110.013	DGS.125.013	DGS.160.013

JAWS SET 3 DGS OUTSIDE (OUTSIDE CLAMPING)



Technical data and order overview

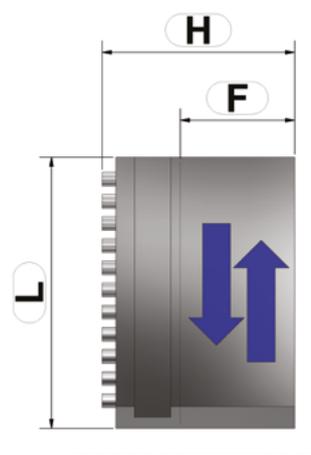
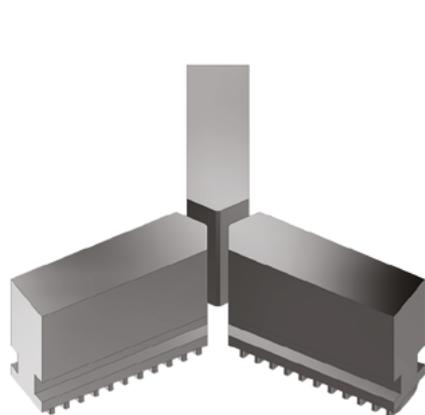


Sizes		70	80	110	125	160
a1	Clamping range outside	1 - 26	1 - 31	1 - 51	1 - 61	1 - 81
a2		21 - 46	21 - 51	31 - 81	30 - 90	34 - 114
a3		46 - 71	46 - 76	60 - 110	66 - 126	70 - 150
F	Height from Chuck body	17	15	16,5	19,5	23,75
H	Maximum height [mm]	28	28	29,5	34,5	42,5
L	Total length [mm]	31	31	40	49	49
S	Step height	6,5	6,5	7	7,5	10
	Jaw width [mm]	11,7	11,7	11,7	14,7	14,7
	Order number (without Chuck)	DGS.070.014	DGS.080.014	DGS.110.014	DGS.125.014	DGS.160.014

JAWS SET 3 DGS BLOC (BLOCKBACK)



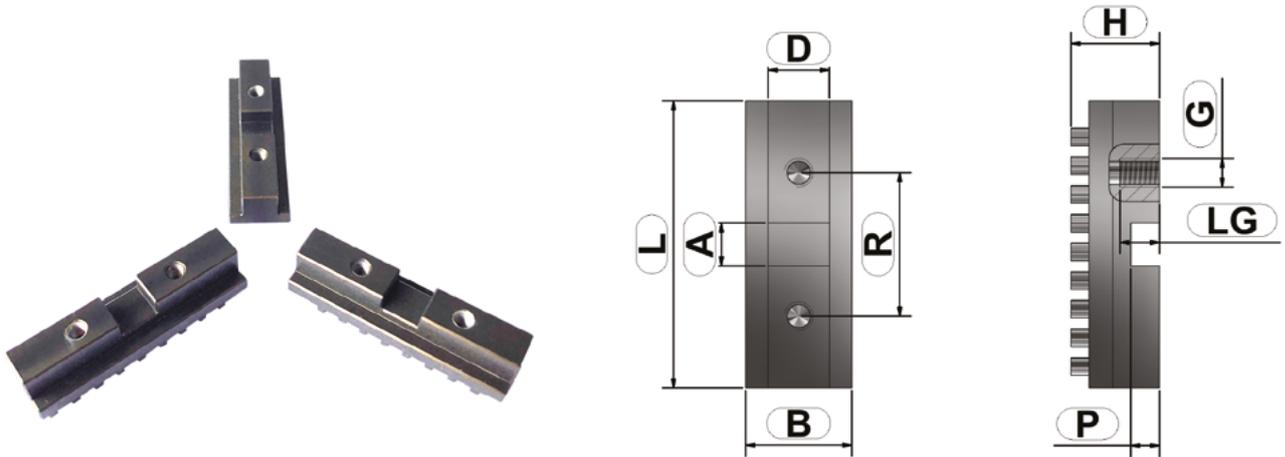
Technical data and order overview



	Sizes	70	80	110	125	160
F	Height from Chuck body	17	15	16,5	19,5	23,75
H	Maximum height [mm]	28	28	29,5	34,5	42,5
L	Total lenght [mm]	31	31	40	49	49
	Jaw width [mm]	11,7	11,7	11,7	14,7	14,7
	Order number (without Chuck)	DGS.070.015	DGS.080.015	DGS.110.015	DGS.125.015	DGS.160.015

BASIC JAW SET 3 DGS

Technical data and order overview

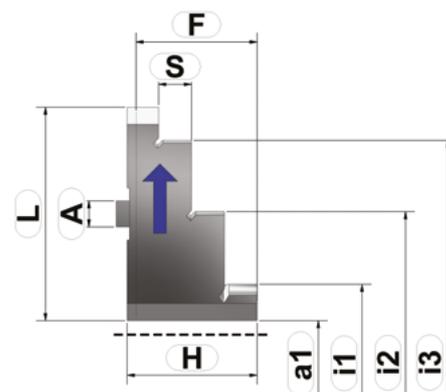
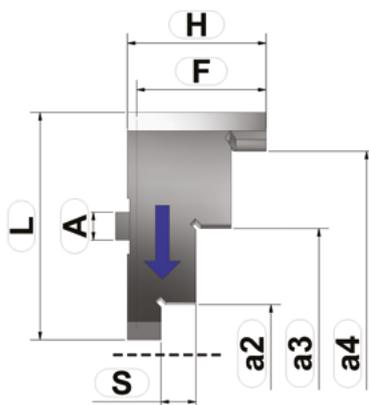


Sizes		125	160	240
A [0/+0,01]	Interface [mm]	6	8	10
B	Jaw width [mm]	14,7	14,7	24,7
D	Ridge width	8,5	8,5	14,5
L	Total length [mm] [mm]	40	49	100
R	Space mounting holes [mm]	20	22,5	50
H	Maximum height [mm] [mm]	12,5	12,5	19
G	Thread	M4	M4	M6
LG	Thread length [mm]	5,5	5,5	9
P	Fit length [mm]	4	4	4
Order number (without Chuck)		DGS.125.020	DGS.160.020	DGS.240.020

TOP JAWS 3 DGS COMPLETE (INSIDE AND OUTSIDE CLAMPING)



Technical data and order overview



Sizes		125	160	240
a1	Clamping range outside	1 - 61	1 - 81	1 - 121
a2		16 - 76	25 - 105	30 - 149
a3		49 - 109	57,5 - 137	100 - 238
a4		42 - 142	96 - 175	170 - 288
i1	Clamping range inside	20 - 80	25 - 105	35 - 155
i2		52,5 - 112,5	62,5 - 142,5	105 - 225
i3		85 - 145	95 - 175	175 - 295
F	Height from Chuck body	27	28,5	41
H	Maximum height [mm]	30	35	50
L	Total length [mm]	49	58	100
S	Step height	7,5	7,5	10
	Jaw width [mm]	14,7	14,7	24,7
Order number (without Chuck)		DGS.125.114	DGS.160.114	DGS.240.114



Swiss Made