INOFlex® VT-S

4-Backen-Kraftspannfutter mit Durchgang

4-jaw through-hole power chuck

ANWENDUNG

- Spannen von runden, quadratischen/rechteckigen und geometrisch unregelmäßigen Bauteilen
- Für verformungsempfindliche Bauteile geeignet
- Hohl- und Teilhohlspannung möglich
- Innen- und Außenspannung

APPLICATION

- *Clamping of round, square/rectangular and irregular parts*
- *For deformation sensitive parts*
- *For open center or partial open center clamping*
- *Internal and external clamping*

TECHNISCHE MERKMALE

- Zentrisch ausgleichendes Spannen
- Spannhubkontrolle
- Spannfutter mit Durchgang

TECHNICAL FEATURES

- *Compensating concentric clamping*
- *Clamping stroke control*
- *Chuck with through-hole*

Technische Daten *technical information*		**VT-S 013**	**VT-S 016**	**VT-S 021**	**VT-S 026**	**VT-S 031**	**VT-S 040**	**VT-S 050**	**VT-S 063**	**VT-S 080**
Ident-Nr. / *ident-no.*		**845113**	**845116**	**845121**	**845126**	**845131**	**845140**	**845150**	**845163**	**845180**
Durchmesser *diameter*	mm	135	168	218	264	315	400	500	630	800
Durchgang *through-hole*	mm	32	46	52	72	91	111	142	165	165
Hub pro Backe *radial jaw stroke*	mm	2,7	3,4	4,3	5	5,5	6,2	6,2	6,2	6,2
Ausgleichshub *compensation*	mm	1,8	2,3	3,3	4	4,4	5	4,5	4,5	4,5
Kolbenhub *axial piston stroke*	mm	12	15	19	22	24	27	27	27	27
max. Betätigungskraft *max. draw pull*	kN	15	20	40	55	60	85	90	90	90
max. Spannkraft *max. gripping force*	kN	37,5	50	100	125	150	210	230	230	230
max. Drehzahl *max. speed*	1/min r.p.m.	5500	5000	3900	3500	3000	2100	1400	1100	900
Masse (ohne Backen) *weight (without top jaws)*	kg	6,5	12	26	42	64	119	207	315	498
Massenträgheitsmoment *moment of inertia*	kg • m²	0,05	0,05	0,19	0,42	0,89	2,69	7,4	17,2	41
Nutenstein *standard t-nut*	–	—	GP05	GP07	GP11/ TT70	GP11	GP13	GP21	GP21	GP21
Standard weiche Aufsatzbacke *standard soft jaw*	–	X9815	VS11	VS12	VS17	VS17	VS21	VS25	VS25	VS25
Standard harte Greiferbacke *standard hard gripper jaw*	–	—	VG10	VG12	VG17	VG16	VG21	VG25	VG25	VG25

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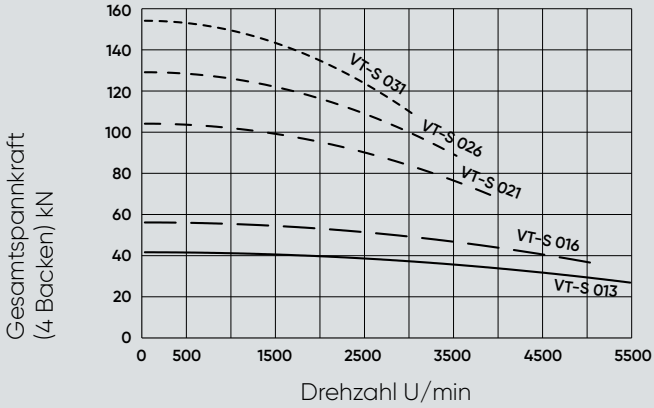
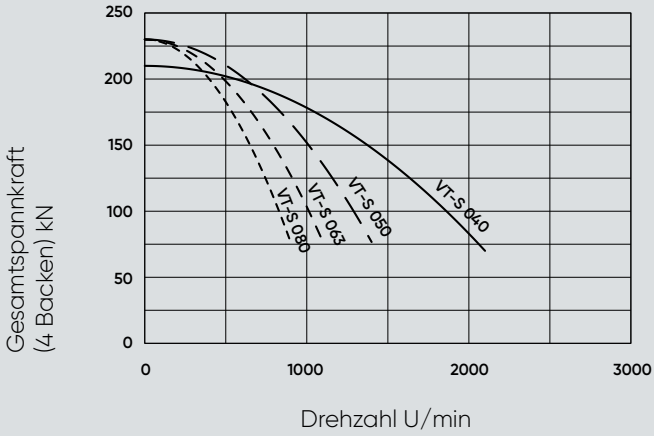
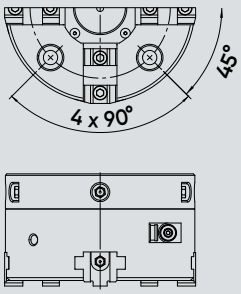
Spannkraft-/Drehzahl-Diagramm
Clamping force - speed diagram



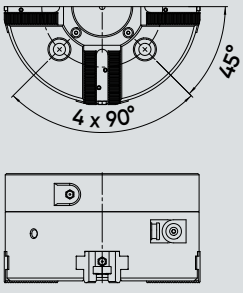


Beim Einsatz der weichen Standardbacke bündig außen aufgebaut.
When using the soft standard jaw mounted even with the outer diameter of the chuck.

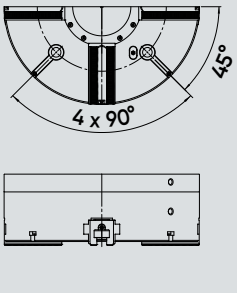
VT-S 013



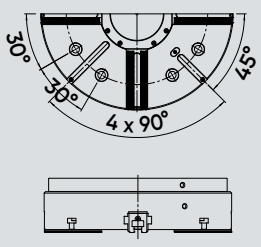
VT-S 016 - VT-S 040



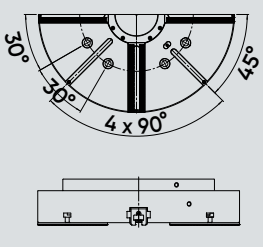
VT-S 050



VT-S 063



VT-S 080



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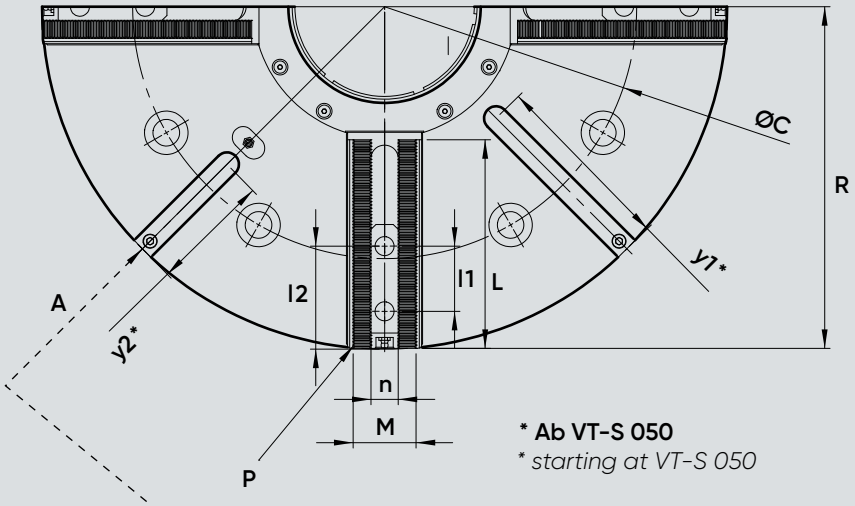
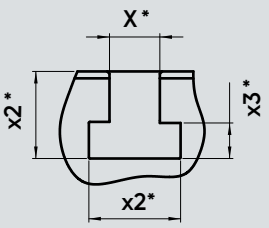
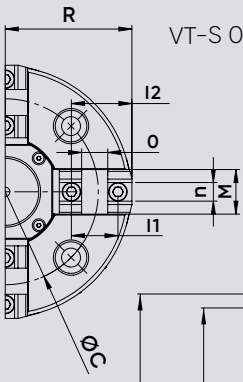
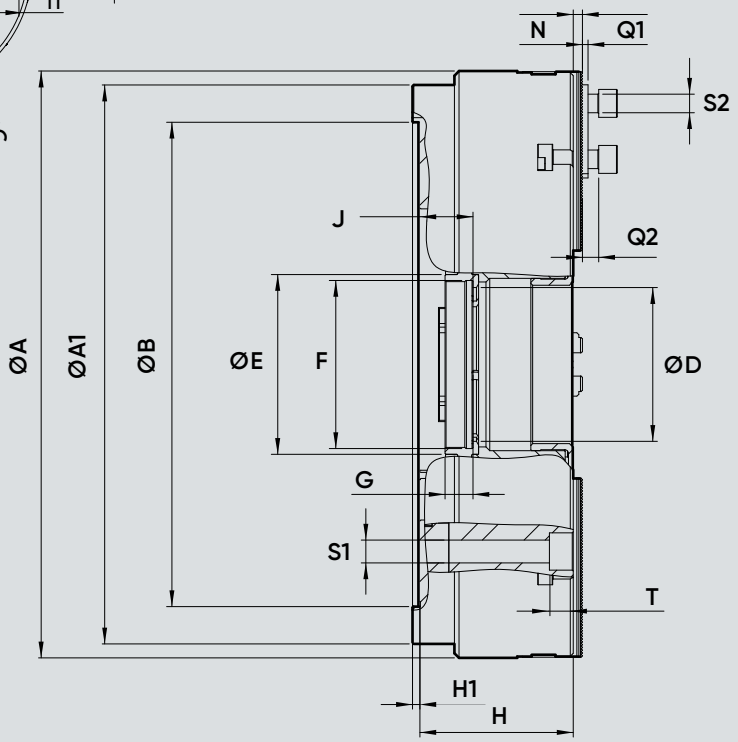


*** Ab VT-S 050**
** starting at VT-S 050*

Ansicht A







Schauen Sie sich das
VT-S-Kraftspannfutter im Detail an!
Look at the VT-S power chuck in detail!

* statische Nutmutter
** fixed ring-nut*

Abmessungen *dimensions*		**VT-S 013**	**VT-S 016**	**VT-S 021**	**VT-S 026**	**VT-S 031**	**VT-S 040**	**VT-S 050**	**VT-S 063**	**VT-S 080**
	A mm	135	168	218	264	315	400	500	630	800
	A1 mm	135	168	218	264	315	400	500	600	600
	B *H6* mm	125	140	170	220	300	380	380	520	520
	C mm	100	104,8	133,4	171,4	235	330,2	330,2	463,6	463,6
	D mm	32	46	52	72	91	111	142	165	165
	E mm	—	—	67	92	112	142	167	193	193
	F mm	M40x1,5*	M56 x 1,5*	M60 x 2	M85 x 2	M100 x 2	M125 x 2	M155 x 2	M180 x 2	M180 x 2
	G mm	12	18	20	20	24	30	30	30	30
	H mm	72	88	109,2	125	134	154	164,5	164,5	164,5
	H1 mm	4	5	5	5	5	6	8	8	8
min./max.	**J** mm	12 / 24	18 / 33	17 / 36	10 / 32	16 / 40	29,6 / 56,6	30 / 57	30 / 57	30 / 57
	L mm	—	46,5	61,5	78	88,5	117	147	192	276
	M mm	24	32	34	42	46	52	58	58	58
	N mm	4	1,5	2	2	2	5	10	10	10
Verzahnung / *serration*	**P** mm	14 KV	1,5 x 60°	1,5 x 60°	1,5 x 60°	1,5 x 60°	1,5 x 60°	3,0 x 60°	3,0 x 60°	3,0 x 60°
	Q1 mm	3	2,5	3	3	3	3,5	6	6	6
	Q2 mm	7,5	10,5	11,5	11,5	11,5	11,5	16,5	16,5	16,5
Futter geöffnet / *chuck open*	**R** mm	68	84,9	108,9	134,1	160	202,2	249,3	314,3	399,3
	S1 mm	10,5	10,5	12,5	16,5	22	26	24,5	24,5	24,5
	T mm	12	12	17,2	26	22	26	30	25,5	25,5
	l1 mm	25	18	20	30	30	30	60	60	60
min./max.	**l2** mm	26,9 / 29,6	22 / 39,5	25 / 52	35 / 62	35 / 73	40 / 103	70 / 121	70 / 158	70 / 242
	n *H8* mm	10	10	12	16	16	21	25	25	25
	o *H7* mm	14	—	—	—	—	—	—	—	—
	S2 mm	M6 x 16	M8 x 22	M10 x 25	M12 x 30	M12 x 30	M16 x 35	M20 x 55	M20 x 55	M20 x 55
	x *H12* mm	—	—	—	—	—	—	14	22	22
	x1 mm	—	—	—	—	—	—	23	40	40
	x2 mm	—	—	—	—	—	—	25	38	38
	x3 mm	—	—	—	—	—	—	9	16	16
	y1 mm	—	—	—	—	—	—	66	170	245
	y2 mm	—	—	—	—	—	—	66	110	185