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MANUAL CHUCKS



T



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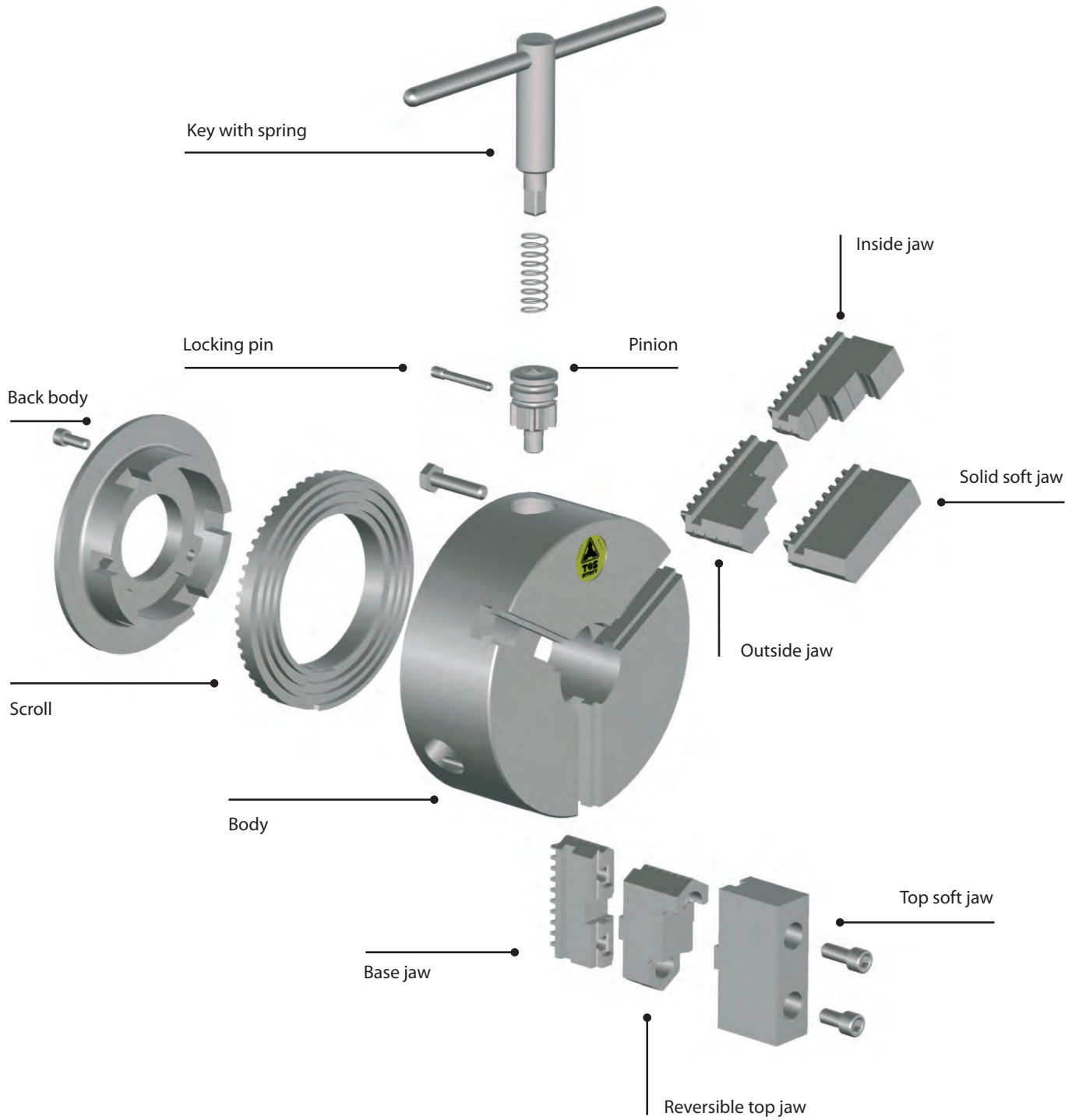


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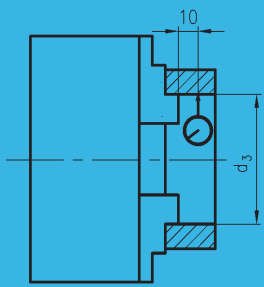
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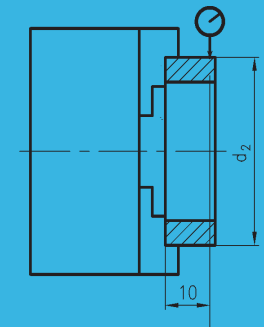
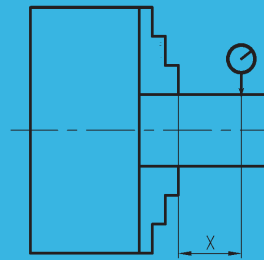
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\emptyset	x	d ₁	d ₁	d ₁	d ₂	d ₃
80	40	8	12	16	63	32
100	40	12	16	20	80	40
125	60	16	20	25	100	50
160	60	20	36	40	125	80
200	80	25	36	47	160	100
250	80	36	47	75	200	125
315	120	47	75	100	250	160
400	120	47	87	125	315	200
500	160	75	125	160	400	200



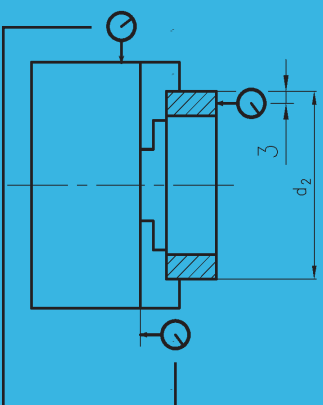
Geometrical accuracy



\emptyset	TOS		
	SUPERIOR	STANDARD	
		DIN 6386 I.	DIN 6386 II.
80	0,020	0,04	0,075
100	0,020	0,04	0,075
125	0,025	0,04	0,075
160	0,025	0,04	0,075
200	0,030	0,06	0,075
250	0,030	0,06	0,100
315	0,040	0,08	0,100
400	0,040	0,08	0,100
500	0,080	0,10	0,120

\emptyset	TOS		
	SUPERIOR	STANDARD	
		DIN 6386 I.	DIN 6386 II.
80	0,010	0,02	0,04
100	0,010	0,02	0,04
125	0,015	0,03	0,04
160	0,015	0,03	0,04
200	0,015	0,03	0,04
250	0,015	0,03	0,07
315	0,020	0,04	0,07
400	0,020	0,04	0,07
500	0,040	0,05	0,10

\emptyset	\nearrow
80	0,02
100	0,02
125	0,02
160	0,03
200	0,03
250	0,04
315	0,04
400	0,05
500	0,05



Ø	M max. ¹⁰⁾ (Nm)	F max. ¹⁰⁾ (kN)	Max. otáčky ¹⁾ (min ⁻¹)	Max. otáčky ²⁾ (min ⁻¹)	Přípustné nevývažky ⁹⁾ (gcm)	
					1)	2)
80	28	13	6000	7000	1	1
100	38	16	5300	6300	3	2
125	55	26	4500	5500	5	4
160	90	40	3500	4500	11	8
200	130	45	3000	4000	25	19
250	180	54	2800	3500	45	35
315	210	58	1800	2500	133	90
400	230	62	1300	2000	330	208
500	250	66	1100	1500	720	504

Designation

IUS⁸⁾ 200⁷⁾/3⁶⁾ – 1⁵⁾ – M1⁴⁾ 243801.0 203110³⁾

1) for Chuck type IUS, IUD, IUM

6) number of jaws

2) for Chuck type IUG, IUH, IUGO, IUHO, IUPG, IUPHG, IUPS, IUPHS

7) Size of chuck – Ø (80, 100, 125, 160, 200, 250, 315, 350, 400, 500)

3) order number

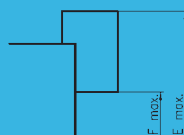
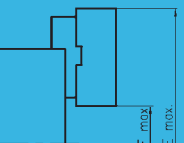
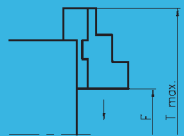
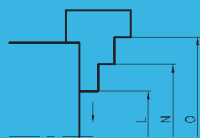
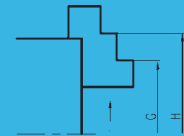
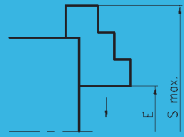
8) Type of product

4) type and size of Chuck mount for attachment to adaptor or spindle
(M1, M2, A, B, D)

9) admissible unbalance

5) Accuracy class

10) maximum moment M, maximum force F, maximum speed n



For 3 and 4-jaw chucks IUS, IUG, IUGO, IUH, IUHO, IUPG, IUPS, IUPHG, IUPHS

∅	E	F	G	H	J	K	L	N	O	P	R	S max.	T max.
80	3-27	—	23-48	48-73	—	—	3-27	27-51	52-76	—	—	98	—
100	3-39	3-45	24-60	58-94	25-67	60-102	3-39	30-66	64-100	42-72	77-107	122	130
125	3-49	3-47	30-75	70-116	28-74	69-115	3-49	38-84	83-125	50-95	90-136	152	163
160	3-76	3-76	46-119	87-160	35-108	91-166	3-76	50-123	91-164	51-128	109-185	208	218
200	5-88	5-83	56-140	116-200	46-125	105-185	5-88	57-140	117-200	69-148	127-207	246	254
250	5-107	5-125	68-162	156-250	60-183	124-247	5-107	66-168	154-256	83-206	147-270	314	328
315	8-136	8-131	74-201	188-315	65-193	145-273	8-131	79-207	193-321	99-225	174-305	392	382
400	10-187	10-187	90-268	223-400	105-282	173-350	10-187	92-274	224-406	118-290	189-358	498	454
500	25-250	25-250	135-360	275-500	135-411	201-477	25-250	135-360	275-500	125-447	191-513	626	579

For 6-jaws chucks IUS, IUG, IUGO, IUH, IUHO, IUPG, IUPS, IUPHG, IUPHS

∅	E	F	G	H	J	K	L	N	O	P	R	S max.	T max.
125	3-43	3-41	30-69	70-110	28-68	69-109	3-43	38-78	83-119	50-89	90-130	146	157
160	3-70	3-70	46-113	87-154	35-102	91-160	3-70	50-117	91-158	51-122	109-179	202	212
200	5-80	5-75	56-132	116-192	46-117	105-177	5-80	57-132	109-200	69-140	127-199	238	246
250	5-99	5-117	68-154	156-242	60-185	124-237	5-99	66-160	154-248	83-198	147-262	306	320
315	8-126	8-121	74-191	188-305	65-183	145-263	8-121	79-197	193-311	99-215	179-295	372	372
400	10-175	10-175	90-256	223-388	105-270	173-338	10-175	95-262	224-394	118-278	189-346	486	442
500	25-238	25-238	135-348	275-488	135-399	201-465	25-238	135-348	275-488	125-435	191-501	614	567

For chucks IUD, IUM

For solid soft jaw MC

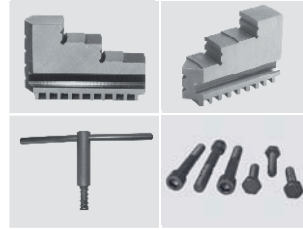
For top soft jaw NM

∅	E max.	F max.	∅	E max.	F max.	G max.	H max.
80	—	—	80	98	24	—	—
100	129	29	100	122	36	131	29
125	160	40	125	152	46	179	31
160	216	66	160	208	72	222	69
200	269	79	200	246	84	259	83
250	333	93	250	314	104	332	120
315	407	127	315	392	144	372	124
400	507	177	400	498	192	452	175
500	636	226	500	626	256	597	310

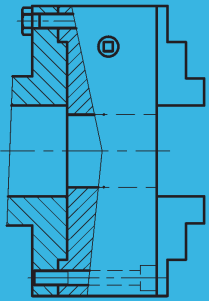


IUG – TYP 243809.0

Basic delivery contains:

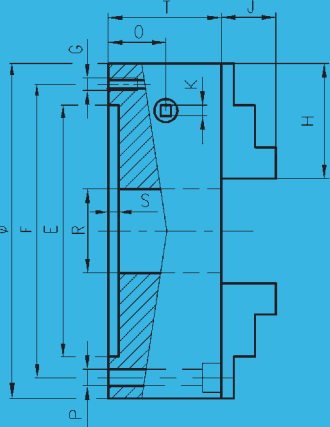


M2 IUG



DIN 6350

M2 IUG



DIN 6350

Ø		3爪		4爪		6爪					
		SUPERIOR	STANDARD	SUPERIOR	STANDARD	SUPERIOR					
			kg	kg	kg	kg	kg				
80	M2	083120	1,1	083220	1,1	084120	1,1	084220	1,1	—	—
100	M2	103120	2,2	103220	2,2	104120	2,2	104220	2,2	—	—
125	M2	123120	3,7	123220	3,7	124120	3,6	124220	3,6	126120	3,7
160	M2	163120	6,6	163220	6,6	164120	6,6	164220	6,6	166120	6,7
200	M2	203120	12,6	203220	12,6	204120	12,6	204220	12,6	206120	13,0
250	M2	253120	21,5	253220	21,5	254120	21,6	254220	21,6	256120	22,7
310	M2	313120	35,8	313220	35,8	314120	36,0	314220	36,0	316120	37,5
400	M2	403120	70,5	403220	70,5	404120	71,0	404220	71,0	406120	81,8
500	M2	503120	135,6	—	—	504120	137,4	—	—	506120	140,6

Ø	EH6	F±0,2	G	H	J	K	O	P1)	P2)	S	T	R
80	56	67	3×M6	35,5	13	6	16,5	—	3× 7	3	45	15
100	70	83	3×M8	41,5	17	6	18,0	—	3× 9	3	52	20
125	95	108	3×M8	51,5	19	8	20,0	4× 9	3× 9	4	57	35
160	125	140	3×M10	66,0	23	9	23,0	4×11	3×11	4	64	46
200	160	176	3×M10	79,0	29	11	26,2	4×11	3×11	5	76	55
250	200	224	3×M12	103,5	33	12	26,2	4×13	3×13	6	82	76
310	260	286	3×M16	123,0	40	14	31,0	4×13	3×13	5	91	103
400	330	362	3×M16	152,5	50	17	39,0	4×17	3×17	7	110	136
500	420	458	6×M16	188,5	54	17	43,0	6×17	6×17	8	120	190

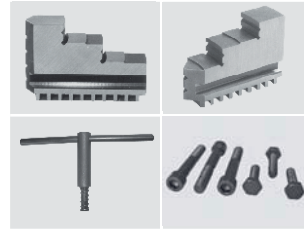
1) for 4-jaw execution M2

2) for 3 and 6-jaw execution M2

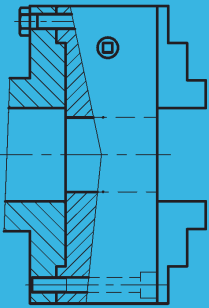


IUGO – TYP 243829.0

Basic delivery contains:

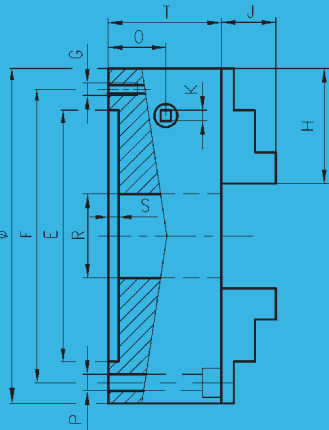


M2 IUGO



DIN 6350

M2 IUGO



DIN 6350

Ø		3爪		4爪		6爪	
		SUPERIOR		SUPERIOR		SUPERIOR	
			kg		kg		kg
80	M2	083120	1,35	084120	1,40	—	—
100	M2	103120	2,30	104120	2,30	—	—
125	M2	123120	4,10	124120	4,15	126120	4,60
160	M2	163120	7,15	164120	7,25	166120	7,65
200	M2	203120	13,40	204120	13,70	206120	15,45
250	M2	253120	23,10	254120	23,40	256120	25,15
310	M2	313120	41,10	314120	41,40	316120	45,90
400	M2	403120	79,50	404120	80,00	406120	82,95
500	M2	503120	136,85	504120	138,90	506120	141,85

Ø	E H6	F ±0,2	G	H	J	K	O	P ¹⁾	P ²⁾	S	T	R
80	56	67	3×M6	35,5	13	6	16,5	—	3×7	3	45	15
100	70	83	3×M8	41,5	17	6	18,0	—	3×9	3	52	20
125	95	108	3×M8	51,5	19	8	20,0	4×9	3×9	4	57	32
160	125	140	3×M10	66,0	23	9	23,0	4×11	3×11	4	64	42
200	160	176	3×M10	79,0	29	11	26,2	4×11	3×11	5	76	55
250	200	224	3×M12	103,5	33	12	26,2	4×13	3×13	5	82	76
310	260	286	3×M16	123,0	40	14	31,0	4×13	3×13	5	91	103
400	330	362	3×M16	152,5	50	17	39,0	4×17	3×17	7	110	136
500	420	458	6×M16	188,5	54	17	43,0	6×17	6×17	8	120	190

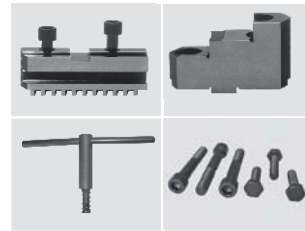
1) for 4-jaw execution M2

2) for 3 and 6-jaw execution M2

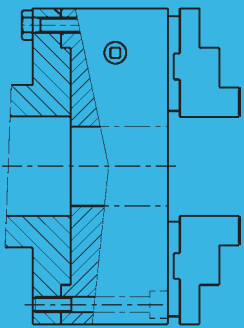


IUH – TYP 243810.0

Basic delivery contains:



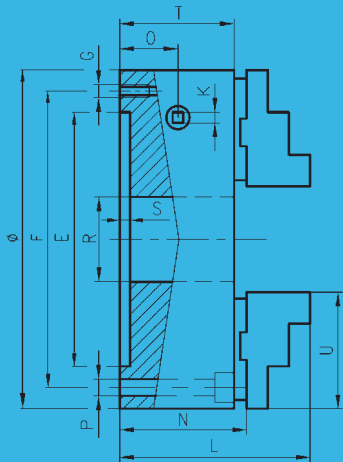
M2 IUH



DIN 6350

Ø		3爪		4爪		6爪	
		SUPERIOR		SUPERIOR		SUPERIOR	
			kg		kg		kg
100	M2	103120	2,45	104120	2,55	—	—
125	M2	123120	4,32	124120	4,44	126120	4,60
160	M2	163120	6,25	164120	6,78	166120	7,25
200	M2	203120	14,32	204120	14,65	206120	15,34
250	M2	253120	21,62	254120	21,75	256120	21,95
310	M2	313120	39,98	314120	40,25	316120	40,42
400	M2	403120	74,15	404120	74,22	406120	74,32
500	M2	503120	128,25	504120	128,32	506120	128,15

M2 IUH



DIN 6350

Ø	EH6	F±0,2	G	K	L	N	O	P ¹⁾	P ²⁾	S	R	U	T
100	70	83	3×M8	6	85,0	58,4	18,0	—	3×9	3	20	46	52
125	95	108	3×M8	8	97,6	66,4	20,0	4×9	3×9	4	35	56	57
160	125	140	3×M10	9	108,4	71,4	23,0	4×11	3×11	4	46	67	64
200	160	176	3×M10	11	127,5	87,5	26,0	4×11	3×11	5	55	76	74
250	200	224	3×M12	12	143,5	93,5	31,0	4×13	3×13	6	76	91	82
310	260	286	3×M16	17	186,9	124,9	39,0	4×13	3×13	5	103	108	91
400	330	362	3×M16	17	186,9	124,9	39,0	4×17	3×17	7	136	127	110
500	420	458	6×M16	17	214,6	140,9	43,0	6×17	6×17	8	190	133	120

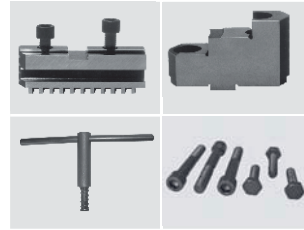
1) for 4-jaw execution M2

2) for 3 and 6-jaw execution M2

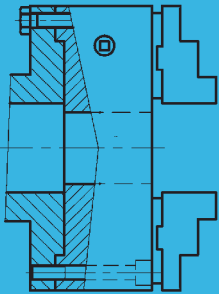


IUHO – TYP 243827.0

Basic delivery contains:

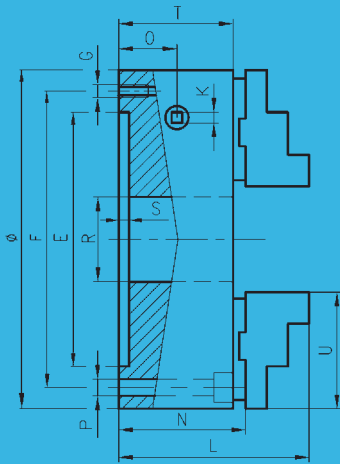


M2 IUHO



DIN 6350

M2 IUHO



DIN 6350

Ø		3		4		6	
		SUPERIOR		SUPERIOR		SUPERIOR	
			kg		kg		kg
100	M2	103120	2,45	104120	2,55	—	—
125	M2	123120	4,32	124120	4,44	126120	4,60
160	M2	163120	6,25	164120	6,78	166120	7,25
200	M2	203120	14,32	204120	14,65	206120	15,34
250	M2	253120	21,62	254120	21,75	256120	21,95
310	M2	313120	39,98	314120	40,25	316120	40,42
400	M2	403120	74,15	404120	74,22	406120	74,32
500	M2	503120	128,25	504120	128,32	506120	128,15

Ø	EH6	F±0,2	G	K	L	N	O	P ¹⁾	P ²⁾	S	R	U	T
100	70	83	3×M8	6	85,0	58,4	18,0	—	3×9	3	20	46	52
125	95	108	3×M8	8	97,6	66,4	20,0	4×9	3×9	4	35	56	57
160	125	140	3×M10	9	108,4	71,4	23,0	4×11	3×11	4	46	67	64
200	160	176	3×M10	11	127,5	87,5	26,0	4×11	3×11	5	55	76	74
250	200	224	3×M12	12	143,5	93,5	31,0	4×13	3×13	6	76	91	82
315	260	286	3×M16	17	186,9	124,9	39,0	4×13	3×13	5	103	108	91
400	330	362	3×M16	17	186,9	124,9	39,0	4×17	3×17	7	136	127	110
500	420	458	6×M16	17	214,6	140,9	43,0	6×17	6×17	8	190	133	120

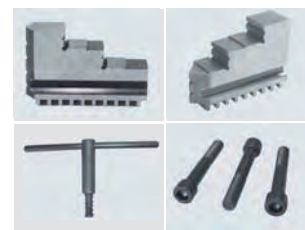
1) for 4-jaw execution M2

2) for 3 and 6-jaw execution M2

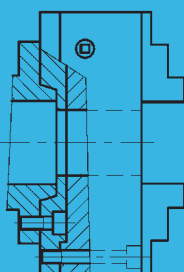


IUG – TYP 243809.0 IUGO – TYP 243829.0¹⁾

Basic delivery contains:



A IUG



IUGO

DIN 55026
ISO 702/1
ČSN ISO 702/1

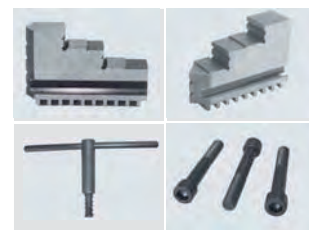
ø	3爪			4爪			6爪			
		SUPERIOR	STANDARD	SUPERIOR	STANDARD	SUPERIOR				
		kg			kg					
100	A3	103133	103233	3,20	104133	104233	3,30	—	—	—
125	A3	123133	123233	5,40	124133	124233	5,55	126133	—	5,80
125	A4	123134	123234	5,15	124134	124234	5,30	126134	—	5,60
160	A3	163133	163233	8,50	164133	164233	8,65	166133	—	9,35
160	A4	163134	163234	8,40	164134	164234	8,60	166134	—	9,20
160	A5	163135	163235	8,20	164135	164235	8,45	166135	—	9,15
200	A3	203133	203233	18,40	204133	204233	18,75	206133	—	19,05
200	A4	203134	203234	18,30	204134	204234	18,60	206134	—	18,95
200	A5	203135	203235	18,20	204135	204235	18,45	206135	—	19,70
200	A6	203136	203236	18,00	204136	204236	18,25	206136	—	18,60
250	A4	253134	253234	28,50	254134	254234	28,75	256134	—	32,10
250	A5	253135	253235	28,40	254135	254235	28,55	256135	—	31,15
250	A6	253136	253236	28,70	254136	254236	28,90	256136	—	32,30
250	A8	253138	253238	28,50	254138	254238	28,65	256138	—	31,50
310	A5	313135	313235	51,30	314135	314235	51,80	316135	—	54,60
310	A6	313136	313236	50,20	314136	314236	51,30	316136	—	53,75
310	A8	313138	313238	52,45	314138	314238	52,40	316138	—	53,60
310	A11	313131	313231	53,35	314131	314231	53,80	316131	—	54,90
400	A6	403136	403236	98,35	404136	404236	99,40	406136	—	101,90
400	A8	403138	403238	97,20	404138	404238	98,65	406138	—	100,80
400	A11	403131	403231	102,40	404131	404231	103,45	406131	—	105,60
500	A11	503131	—	128,40	504131	—	161,50	506131	—	163,75

1) SUPERIOR class only

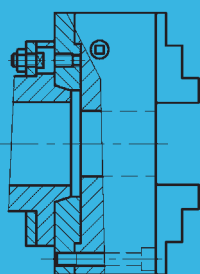


IUG – TYP 243809.0 IUGO – TYP 243829.0¹⁾

Basic delivery contains:



B IUG



IUGO

DIN 55027
ISO 702/III
ČSN ISO 702/III

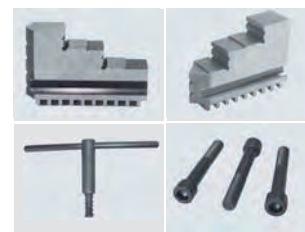
ø		3爪		4爪		6爪				
		SUPERIOR	STANDARD	SUPERIOR	STANDARD	SUPERIOR	STANDARD			
				kg			kg			kg
100	B3	103143	103243	3,25	104143	104243	3,30	—	—	—
125	B3	123143	123243	5,55	124143	124243	5,60	126143	—	5,80
125	B4	123144	123244	5,35	124144	124244	5,40	126144	—	5,60
160	B3	163143	163243	8,45	164143	164243	8,65	166143	—	8,95
160	B4	163144	163244	8,35	164144	164244	8,40	166144	—	8,60
160	B5	143145	163245	8,30	164145	164245	8,30	166145	—	8,50
200	B3	203143	203243	17,60	204143	204243	17,90	206143	—	18,45
200	B4	203144	203244	17,45	204144	204244	17,70	206144	—	18,30
200	B5	203145	203245	17,35	204145	204245	17,50	206145	—	18,20
200	B6	203146	203246	17,40	204146	204246	17,55	206146	—	18,35
250	B4	253144	253244	28,55	254144	254244	28,70	256144	—	30,05
250	B5	253145	253245	28,35	254145	254245	28,35	256145	—	30,10
250	B6	253146	253246	39,15	254146	254246	29,40	256146	—	31,20
250	B8	253148	253248	29,30	254148	254248	29,30	256148	—	31,30
310	B5	313145	313245	51,30	314145	314245	52,15	316145	—	54,15
310	B6	313146	313246	50,20	314146	314246	51,70	316146	—	53,50
310	B8	313148	313248	52,45	314148	314248	51,30	316148	—	52,80
310	B11	313141	313241	51,80	314141	314241	50,90	316141	—	51,30
400	B6	403146	403246	98,90	404146	404246	99,90	406146	—	101,55
400	B8	403148	403248	98,20	404148	404248	99,30	406148	—	100,40
400	B11	403141	403241	101,55	404141	404241	100,65	406141	—	104,90
500	B11	503141	—	164,60	504141	—	165,90	506141	—	168,95

1) only SUPERIOR class

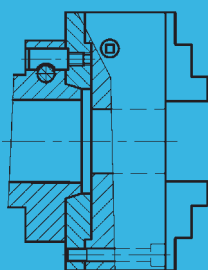


IUG – TYP 243809.0 IUGO – TYP 243829.0¹⁾

Basic delivery contains:



D IUG

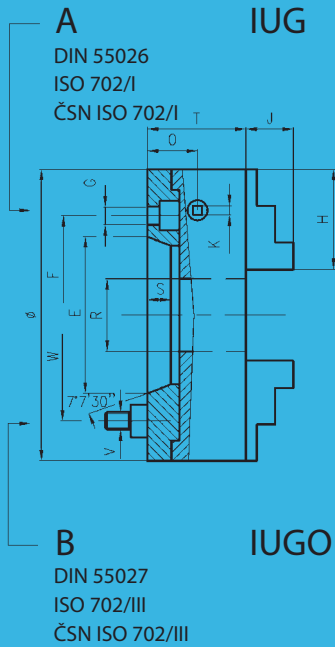


IUGO

DIN 55029 inch
ISO 702/II inch
ČSN ISO 702/II inch

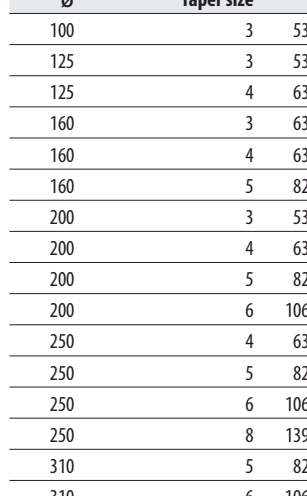
Ø		3爪			4爪			6爪		
		SUPERIOR	STANDARD	kg	SUPERIOR	STANDARD	kg	SUPERIOR	STANDARD	kg
100	D3	103163	103263	3,75	104163	104263	3,85	—	—	—
125	D3	123163	123263	6,35	124163	124263	6,45	126163	—	6,60
125	D4	123164	123264	6,45	124164	124264	6,55	126164	—	5,90
160	D3	163163	163263	9,55	164163	164263	9,75	166163	—	10,15
160	D4	163164	163264	9,75	164164	164264	9,90	166164	—	10,35
160	D5	163165	163265	9,85	164165	164265	9,90	166165	—	10,45
200	D3	203163	203263	19,40	204163	204263	19,55	206163	—	21,15
200	D4	203164	203264	19,35	204164	204264	19,40	206164	—	21,40
200	D5	203165	203265	19,80	204165	204265	19,95	206165	—	21,50
200	D6	203166	203266	20,60	204166	204266	20,50	206166	—	22,40
250	D4	253164	253264	30,60	254164	254264	31,80	256164	—	32,15
250	D5	253165	253265	30,90	254165	254265	32,40	256165	—	33,45
250	D6	253166	253266	31,85	254166	254266	32,80	256166	—	33,90
250	D8	153168	253268	31,20	254168	254268	31,90	256168	—	33,80
310	D5	313165	313265	54,50	314165	314265	55,65	316165	—	57,20
310	D6	313166	313266	55,60	314166	314266	56,80	316166	—	59,40
310	D8	313168	313268	57,50	314168	314268	58,75	316168	316268	60,80
310	D11	313161	313261	57,60	314161	314261	58,20	316161	316261	61,40
400	D6	403166	403266	101,85	404166	404266	103,55	406166	406266	105,25
400	D8	403168	403268	103,40	404168	404268	105,65	406168	406268	107,15
400	D11	403161	403261	105,60	404161	404261	106,70	406161	406261	109,60
500	D11	503151	—	176,20	504151	—	178,15	506151	—	182,60

1) only SUPERIOR class



∅	Taper size	E	F	G	H	J	K	O	R	S	T	V	W
100	3	53,9	70,6	12	41,5	17	6	33,0	23	10	67	M10	75,0
125	3	53,9	70,6	12	51,5	19	8	33,0	28	10	69	M10	75,0
125	4	63,5	82,6	12	51,5	19	8	33,0	28	10	69	M10	85,0
160	3	63,9	70,6	12	66,0	23	9	33,0	48	10	73	M10	75,0
160	4	63,5	82,6	12	66,0	23	9	33,0	48	12	73	M10	85,0
160	5	82,5	104,8	12	66,0	23	9	33,0	48	10	73	M10	104,8
200	3	53,9	70,6	12	74,0	29	11	42,5	52	10	91	M10	75,0
200	4	63,5	82,6	12	74,0	29	11	42,5	52	10	91	M10	85,0
200	5	82,5	104,8	12	74,0	29	11	42,5	52	12	91	M10	104,8
200	6	106,3	133,4	14	74,0	29	11	42,5	52	13	91	M12	133,4
250	4	63,5	82,6	12	97,5	33	12	40,5	62	10	93	M10	85,0
250	5	82,5	104,8	12	97,5	33	12	40,5	78	12	93	M10	108,8
250	6	106,3	133,4	14	97,5	33	12	48,5	78	13	101	M12	133,4
250	8	139,7	171,4	18	97,5	33	12	48,5	78	14	101	M16	171,4
310	5	82,5	104,8	12	123,0	40	14	49,0	80	12	114	M10	104,8
310	6	106,3	133,4	14	123,0	40	14	49,0	104	13	114	M12	133,4
310	8	139,7	171,4	18	123,0	40	14	59,0	108	14	124	M16	171,4
310	11	196,8	235,0	22	123,0	40	14	59,0	108	16	124	M20	235,0
400	6	106,3	133,4	14	152,5	50	17	55,0	104	13	126	M12	133,4
400	8	139,7	171,4	18	152,5	50	17	55,0	137	14	126	M16	171,4
400	11	196,8	235,0	22	152,5	50	17	62,0	144	16	133	M20	235,0
500	11	196,8	235,0	22	188,5	54	17	66,0	190	16	143	M20	235,0

D IUG
DIN 55029
ISO 702/II inch
ČSN ISO 702/II inch

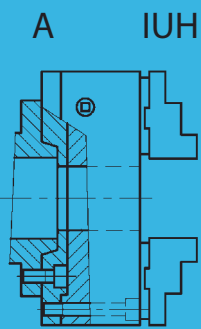
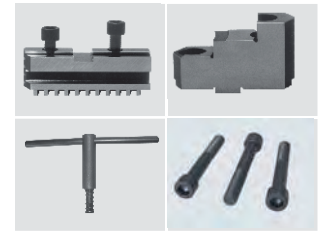


∅	Taper size	E	F	G	H	J	K	O	R	S	T
100	3	53,9	70,6	14,3	41,5	17	6	44,0	23	10	78
125	3	53,9	70,6	14,3	51,5	19	8	46,0	29	10	82
125	4	63,5	82,6	15,9	51,5	19	8	46,0	29	10	82
160	3	63,9	70,6	14,3	66,0	23	9	46,0	48	10	86
160	4	63,5	82,6	15,9	66,0	23	9	46,0	48	10	86
160	5	82,5	104,8	19,0	66,0	23	9	48,0	48	12	88
200	3	53,9	70,6	14,3	74,0	29	11	50,5	52	10	99
200	4	63,5	82,6	15,9	74,0	29	11	50,5	52	10	99
200	5	82,5	104,8	19,0	74,0	29	11	57,5	52	12	106
200	6	106,3	133,4	22,2	74,0	29	11	57,5	52	13	106
250	4	63,5	82,6	15,9	97,5	33	12	54,5	62	10	107
250	5	82,5	104,8	19,0	97,5	33	12	54,5	78	12	107
250	6	106,3	133,4	22,2	97,5	33	12	62,5	78	13	115
250	8	139,7	171,4	25,4	97,5	33	12	62,5	78	14	115
310	5	82,5	104,8	19,0	123,0	40	14	64,0	80	12	129
310	6	106,3	133,4	22,2	123,0	40	14	64,0	104	13	129
310	8	139,7	171,4	25,4	123,0	40	14	74,0	108	14	139
310	11	196,8	235,0	30,2	123,0	40	14	74,0	108	16	139
400	6	106,3	133,4	22,2	152,5	50	17	70,0	104	13	141
400	8	139,7	171,4	25,4	152,5	50	17	70,0	137	14	141
400	11	196,8	235,0	30,2	152,5	50	17	77,0	144	16	146
500	11	196,8	235,0	30,2	188,5	54	17	96,0	190	16	167



IUH – TYP 243810.0 IUHO – TYP 243827.0¹⁾

Basic delivery contains:



IUHO

DIN 55026
ISO 702/1
ČSN ISO 702/1

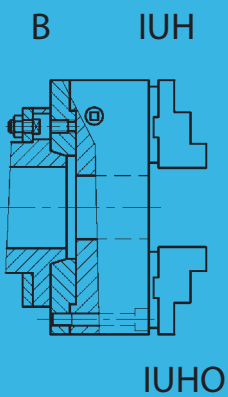
ø	3爪			4爪			6爪			
	A	SUPERIOR	STANDARD	SUPERIOR	STANDARD	SUPERIOR	STANDARD	SUPERIOR		
		kg			kg			kg		
100	A3	103133	103233	3,20	104133	104233	3,30	—	—	—
125	A3	123133	123233	5,40	124133	124233	5,55	126133	—	5,80
125	A4	123124	123234	5,15	124134	124234	5,30	126134	—	5,60
160	A3	163133	163233	8,50	164133	164233	8,65	166133	—	9,35
160	A4	163134	163234	8,40	164134	164234	8,60	166134	—	9,20
160	A5	163135	163235	8,20	164135	164235	8,45	166135	—	9,15
200	A3	203133	203233	18,40	204133	204233	18,75	206133	—	19,05
200	A4	203134	203234	18,30	204134	204234	18,60	206134	—	18,95
200	A5	203135	203235	18,20	204135	204235	18,45	206135	—	19,70
200	A6	203136	203236	18,00	204136	204236	18,25	206136	—	18,60
250	A4	253134	253234	28,50	254134	254234	28,75	256134	—	32,10
250	A5	253135	253235	28,40	254135	254235	28,55	256135	—	31,15
250	A6	253136	253236	28,70	254136	254236	28,90	256136	—	32,30
250	A8	253138	253238	28,50	254138	254238	28,65	256138	—	31,50
310	A5	313135	313235	51,30	314135	314235	51,80	316135	—	54,60
310	A6	313136	313236	50,20	314136	314236	51,30	316136	—	53,75
310	A8	313138	313238	52,45	314138	314238	52,40	316138	—	53,60
310	A11	313131	313231	53,35	314131	314231	53,80	316131	—	54,90
400	A6	403136	403236	98,35	404136	404236	99,40	406136	—	101,90
400	A8	403138	403238	97,20	404138	404238	98,65	406138	—	100,80
400	A11	403131	403231	102,40	404131	404231	103,45	406131	—	105,60
500	A11	503131	—	128,40	504131	—	161,50	506131	—	163,75

1) SUPERIOR class only



IUH – TYP 243810.0 IUHO – TYP 243827.0¹⁾

Basic delivery contains:



IUHO

DIN 55027
ISO 702/III
ČSN ISO 702/III

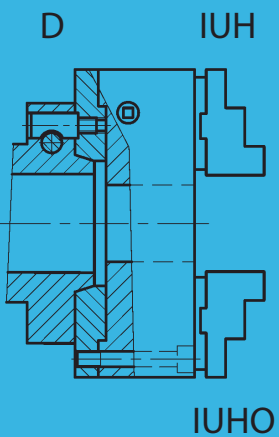
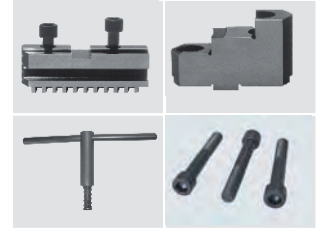
Ø		3爪		4爪		6爪				
		SUPERIOR	STANDARD	SUPERIOR	STANDARD	SUPERIOR				
			kg		kg			kg		
100	B3	103143	103243	3,25	104143	104243	3,30	—	—	—
125	B3	123143	123243	5,55	124143	124243	5,60	126143	—	5,80
125	B4	123144	123244	5,35	124144	124244	5,40	126144	—	5,60
160	B3	163143	163243	8,45	164143	164243	8,65	166143	—	8,95
160	B4	163144	163244	8,35	164144	164244	8,40	166144	—	8,60
160	B5	143145	163245	8,30	164145	164245	8,30	166145	—	8,50
200	B3	203143	203243	17,60	204143	204243	17,90	206143	—	18,45
200	B4	203144	203244	17,45	204144	204244	17,70	206144	—	18,30
200	B5	203145	203245	17,35	204145	204245	17,50	206145	—	18,20
200	B6	203146	203246	17,40	204146	204246	17,55	206146	—	18,35
250	B4	253144	253244	28,55	254144	254244	28,70	256144	—	30,05
250	B5	253145	253245	28,35	254145	254245	28,35	256145	—	30,10
250	B6	253146	253246	39,15	254146	254246	29,40	256146	—	31,20
250	B8	253148	253248	29,30	254148	254248	29,30	256148	—	31,30
310	B5	313145	313245	51,30	314145	314245	52,15	316145	—	54,15
310	B6	313146	313246	50,20	314146	314246	51,70	316146	—	53,50
310	B8	313148	313248	52,45	314148	314248	51,30	316148	—	52,80
310	B11	313141	313241	51,80	314141	314241	50,90	316141	—	51,30
400	B6	403146	403246	98,90	404146	404246	99,90	406146	—	101,55
400	B8	403148	403248	98,20	404148	404248	99,30	406148	—	100,40
400	B11	403141	403241	101,55	404141	404241	100,65	406141	—	104,90
500	B11	503141	—	164,60	504141	—	165,90	506141	—	168,95

1) SUPERIOR class only



IUH – TYP 243810.0 IUHO – TYP 243827.0¹⁾

Basic delivery contains:



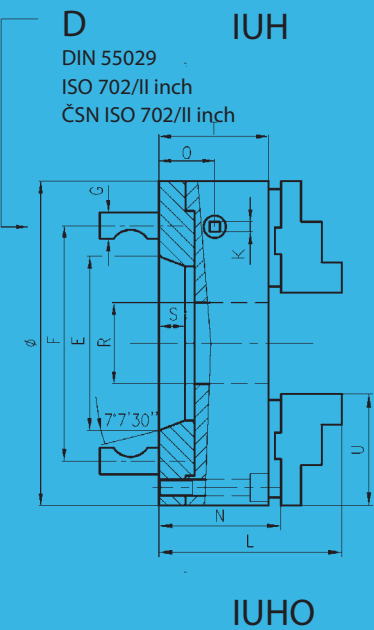
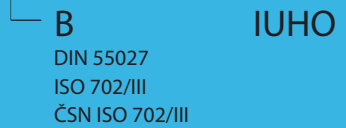
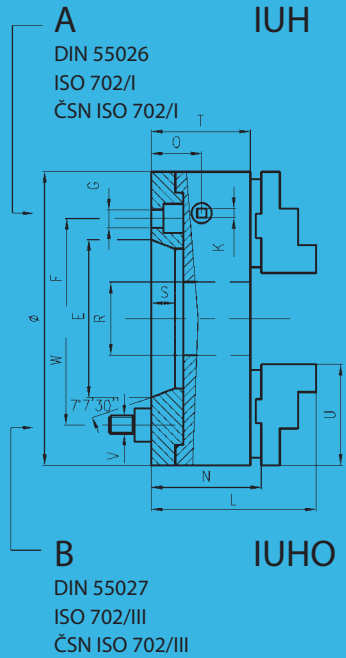
DIN 55029 inch
ISO 702/II inch
ČSN ISO 702/II inch

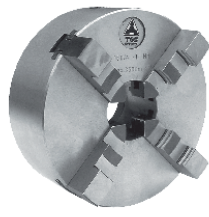
ø		3爪			4爪			6爪		
		SUPERIOR	STANDARD	kg	SUPERIOR	STANDARD	kg	SUPERIOR	STANDARD	kg
100	D3	103163	103263	3,75	104163	104263	3,85	—	—	—
125	D3	123163	123263	6,35	124163	124263	6,45	126163	—	6,60
125	D4	123164	123264	6,45	124164	124264	6,55	126164	—	5,90
160	D3	163163	163263	9,55	164163	164263	9,75	166163	—	10,15
160	D4	163164	163264	9,75	164164	164264	9,90	166164	—	10,35
160	D5	163165	163265	9,85	164165	164265	9,90	166165	—	10,45
200	D3	203163	203263	19,40	204163	204263	19,55	206163	—	21,15
200	D4	203164	203264	19,35	204164	204264	19,40	206164	—	21,40
200	D5	203165	203265	19,80	204165	204265	19,95	206165	—	21,50
200	D6	203166	203266	20,60	204166	204266	20,50	206166	—	22,40
250	D4	253164	253264	30,60	254164	254264	31,80	256164	—	32,15
250	D5	253165	253265	30,90	254165	254265	32,40	256165	—	33,45
250	D6	253166	253266	31,85	254166	254266	32,80	256166	—	33,90
250	D8	153168	253268	31,20	254168	254268	31,90	256168	—	33,80
310	D5	313165	313265	54,50	314165	314265	55,65	316165	—	57,20
310	D6	313166	313266	55,60	314166	314266	56,80	316166	—	59,40
310	D8	313168	313268	57,50	314168	314268	58,75	316168	—	60,80
310	D11	313161	313261	57,60	314161	314261	58,20	316161	—	61,40
400	D6	403166	403266	101,85	404166	404266	103,55	406166	—	105,25
400	D8	403168	403268	103,40	404168	404268	105,65	406168	—	107,15
400	D11	403161	403261	105,60	404161	404261	106,70	406161	—	109,60
500	D11	503161	—	176,20	504161	—	178,15	506161	—	182,60

1) SUPERIOR class only

∅	Taper size	E	F	G	K	L	N	O	R	S	T	U	V	W
100	3	53,9	70,6	12	6	100,0	73,4	33,0	23	10	67	46	M10	75,0
125	3	53,9	70,6	12	8	108,6	77,4	33,0	28	10	69	56	M10	75,0
125	4	63,5	82,6	12	8	108,6	77,4	33,0	28	10	69	56	M10	85,0
160	3	63,9	70,6	12	9	119,4	82,4	33,0	48	10	73	67	M10	75,0
160	4	63,5	82,6	12	9	119,4	82,4	33,0	48	12	73	67	M10	85,0
160	5	82,5	104,8	12	9	119,4	82,4	33,0	48	10	73	67	M10	104,8
200	3	53,9	70,6	12	11	142,5	102,5	42,5	52	10	91	76	M10	75,0
200	4	63,5	82,6	12	11	142,5	102,5	42,5	52	10	91	76	M10	85,0
200	5	82,5	104,8	12	11	142,5	102,5	42,5	52	12	91	76	M10	104,8
200	6	106,3	133,4	14	11	142,5	102,5	42,5	52	13	91	76	M12	133,4
250	4	63,5	82,6	12	12	154,5	104,5	40,5	62	10	93	91	M10	85,0
250	5	82,5	104,8	12	12	154,5	104,5	40,5	78	12	93	91	M10	108,8
250	6	106,3	133,4	14	12	162,5	112,5	48,5	78	13	101	91	M12	133,4
250	8	139,7	171,4	18	12	162,5	112,5	48,5	78	14	101	91	M16	171,4
310	5	82,5	104,8	12	14	174,4	121,4	49,0	80	12	114	108	M10	104,8
310	6	106,3	133,4	14	14	174,4	121,4	49,0	104	13	114	108	M12	133,4
310	8	139,7	171,4	18	14	184,4	131,4	59,0	108	14	124	108	M16	171,4
310	11	196,8	235,0	22	14	184,4	131,4	59,0	108	16	124	108	M20	235,0
400	6	106,3	133,4	14	17	202,9	140,9	55,0	104	13	126	122	M12	133,4
400	8	139,7	171,4	18	17	202,9	140,9	55,0	137	14	126	122	M16	171,4
400	11	196,8	235,0	22	17	209,9	147,9	62,0	144	16	133	122	M20	235,0
500	11	196,8	235,0	22	17	233,1	164,0	66,0	190	16	143	133	M20	235,0

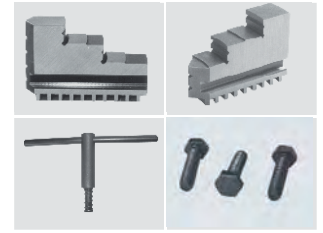
∅	Taper size	E	F	K	L	N	O	R	S	T	U
100	3	53,9	70,6	6	111,0	84,4	44,0	23	10	78	46
125	3	53,9	70,6	8	121,6	90,4	46,0	29	10	82	56
125	4	63,5	82,6	8	121,6	90,4	46,0	29	10	82	56
160	3	63,9	70,6	9	132,4	95,4	46,0	48	10	86	67
160	4	63,5	82,6	9	132,4	95,4	46,0	48	10	86	67
160	5	82,5	104,8	9	132,4	97,4	48,0	48	12	88	67
200	3	53,9	70,6	11	150,5	110,5	50,5	52	10	99	76
200	4	63,5	82,6	11	150,5	110,5	50,5	52	10	99	76
200	5	82,5	104,8	11	157,5	117,5	57,5	52	12	106	76
200	6	106,3	133,4	11	157,5	117,5	57,5	52	13	106	76
250	4	63,5	82,6	12	168,5	118,5	54,5	62	10	107	91
250	5	82,5	104,8	12	168,5	118,5	54,5	78	12	107	91
250	6	106,3	133,4	12	176,5	126,5	62,5	78	13	115	91
250	8	139,7	171,4	12	176,5	126,5	62,5	78	14	115	91
310	5	82,5	104,8	14	189,4	136,4	64,0	80	12	129	108
310	6	106,3	133,4	14	189,4	136,4	64,0	104	13	129	108
310	8	139,7	171,4	14	199,4	146,4	74,0	108	14	139	108
310	11	196,8	235,0	14	199,4	146,4	74,0	108	16	139	108
400	6	106,3	133,4	17	217,9	155,9	70,0	104	13	141	122
400	8	139,7	171,4	17	217,9	155,9	70,0	137	14	141	122
400	11	196,8	235,0	17	220,9	160,9	77,0	144	16	146	122
500	11	196,8	235,0	17	248,1	179,0	96,0	190	16	167	133



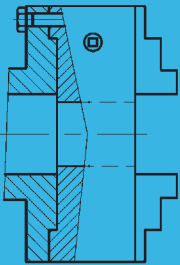


IUS – TYP 243801.0

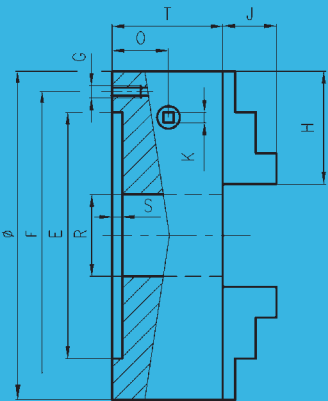
Basic delivery contains:



M1 IUS



M1 IUS



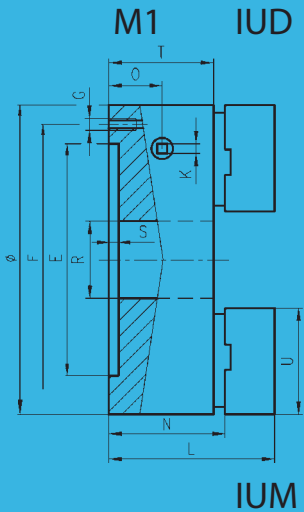
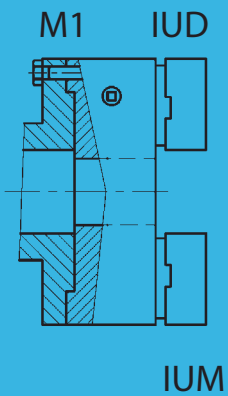
Ø	3爪			4爪		6爪		
	SUPERIOR	STANDARD	kg	SUPERIOR	STANDARD	kg	SUPERIOR	kg
80	M1 083110	083210	1,4	084110	084210	1,5	—	—
100	M1 103110	103210	2,6	104110	104210	2,8	—	—
125	M1 123110	123210	4,4	124110	124210	4,6	126110	4,9
160	M1 163110	163210	7,6	164110	164210	8,0	166110	8,5
200	M1 203110	203210	15,2	204110	204210	15,9	206110	17,2
250	M1 253110	253210	24,0	254110	254210	24,9	256110	27,0
315	M1 313110	313210	50,0	314110	314210	52,6	316110	56,0
400	M1 403110	403210	90,0	404110	404210	93,0	406110	98,0

Ø	EH6	F±0,2	G	H	J	K	O	S	T	R
80	63	70	3×M5	35,5	13	6	16,5	2	45	17
100	80	90	3×M6	41,5	17	8	18,0	2	52	23
125	100	110	3×M8	51,5	19	8	22,0	3	58	28
160	130	143	3×M8	66,0	23	9	22,0	3	62	48
200	162	180	3×M10	79,0	29	11	27,5	4	76	52
250	210	226	3×M10	103,5	33	12	29,5	4	82	78
315	265	290	4×M12	123,0	40	14	35,0	5	100	108
400	350	375	6×M12	152,5	50	17	39,0	6	110	144



IUD – TYP 243805.0 IUM – TYP 243806.0

Basic delivery contains:



Ø		2爪		3爪		4爪	
		TYP 243805.0		TYP 243806.0		TYP 243806.0	
		kg		kg		kg	
100	M1	102310	2,62	103310	2,80	104310	2,84
125	M1	122310	4,52	123310	4,60	124310	4,70
160	M1	162310	7,40	163310	7,60	164310	7,80
200	M1	202310	14,80	203310	15,00	204310	15,40
250	M1	252310	23,00	253310	24,20	254310	25,50
315	M1	312310	45,50	313310	45,60	314310	46,50
400	M1	402310	78,00	403310	78,50	404310	80,00
500	M2	502320	124,00	503320	131,00	504320	133,50

Ø	E H6	F ±0,2	G	K	L ¹⁾	L ²⁾	N	O	S	T	R	U
100	80	90	3×M6	6	79,3	74,3	57,3	18,0	2	52	23	50
125	100	110	3×M8	8	94,3	85,3	63,3	22,0	3	58	28	65
160	130	143	3×M8	9	108,0	103,0	66,0	22,0	3	62	48	75
200	162	180	3×M10	11	117,0	117,0	80,0	27,5	4	76	52	95
250	210	226	3×M10	12	133,0	123,0	86,0	29,5	4	82	78	120
315	265	290	4×M12	14	166,0	161,0	105,0	35,0	5	100	108	140
400	350	375	6×M12	17	186,0	181,0	115,0	39,0	6	110	144	165
500	420	458	6×M16	17	205,0	211,0	125,0	43,0	8	120	190	205

1) for 2-jaw execution

2) for 3 and 4-jaw execution

IUPG IUPHG

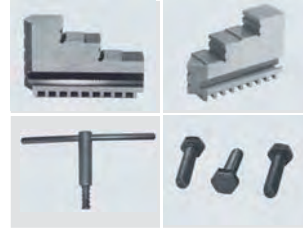
Self-centering Scroll Chuck with micro-adjustment IUPG, IUPHG



IUPG – TYP 243814.1 IUPHG – TYP 243815.1

Basic delivery contains:

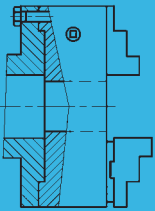
IUPG



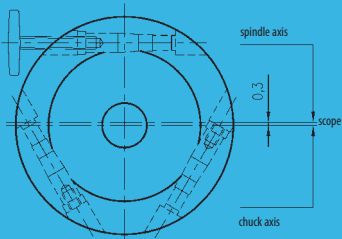
IUPHG



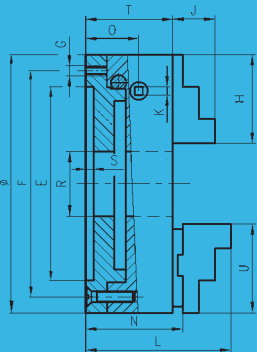
M1 IUPG



IUPHG



M1 IUPG



IUPHG

TYP 243814.1

ø	3爪	SUPERIOR		SUPERIOR	
			kg		kg
80	M1	083110	1,65	—	—
100	M1	103110	2,90	—	—
125	M1	123110	5,05	126110	5,40
160	M1	163110	8,60	166110	8,90
200	M1	203110	17,50	206110	18,20
250	M1	253110	26,90	256110	28,30
310	M1	313110	51,00	316110	54,20

TYP 243815.1

ø	M1	SUPERIOR		SUPERIOR	
			kg		kg
100	M1	103110	2,90	—	—
125	M1	123110	5,00	126110	5,30
160	M1	163110	7,50	166110	8,40
200	M1	203110	16,90	206110	18,00
250	M1	253110	25,60	256110	25,80
310	M1	313110	47,60	316110	47,80

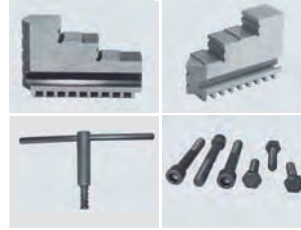
ø	EH6	F±0,2	G	H	J	K	L	N	O	S	T	R	U
80	63,5	41,4	3×M5	35,5	13	9/32"	—	—	25,0	3	54	19,0	—
100	76,2	88,9	3×M6	41,5	17	5/16"	83,6	63,4	25,0	3	57	25,4	46
125	95	110	3×M8	51,5	19	9	100,2	78,4	32,0	4	69	35,0	56
160	125	140	3×M10	66,0	23	10	115,0	85,4	37,6	4	78	46,0	67
200	160	176	3×M10	79,0	29	11	130,0	103,5	42,0	4	90	55,0	76
250	200	224	3×M12	103,5	33	12	151,0	112,5	50,0	5	101	80,0	91
310	260	286	3×M12	123,0	40	14	172,0	143,9	50,6	5	110	105,0	108



IUPS – TYP 243816.2 IUPHS – TYP 243817.2

Basic delivery contains:

IUPS



IUPHS



TYP 243816.2

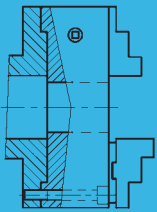
Ø	M2	3爪		6爪	
		SUPERIOR		SUPERIOR	
			kg		kg
160	M2	163120	7,85	166120	8,20
200	M2	203120	16,00	206120	16,70
250	M2	253120	24,65	256120	26,00
310	M2	313120	46,75	316120	49,70
400	M2	403120	85,80	406120	89,50

TYP 243817.2

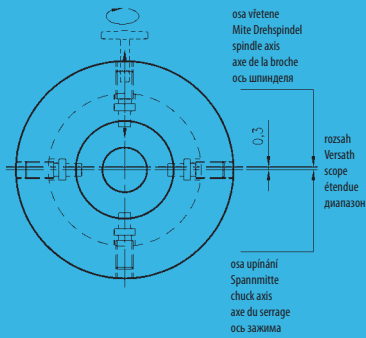
Ø	M2	SUPERIOR		SUPERIOR	
			kg		kg
160	M2	163120	6,85	166120	7,70
200	M2	203120	15,40	206120	16,50
250	M2	253120	23,50	256120	23,80
310	M2	313120	43,60	316120	44,80
400	M2	403120	85,80	406120	89,00

Ø	EH6	F±0,2	G	H	J	K	L	N	O	S	T	R	U
160	80	135,7	M6×80	66,0	23	10	118,4	81,4	32,0	16	74	46	67
210	120,65	190,5	M10×90	79,0	29	11	141,0	101,0	35,7	18	87,5	57	76
250	162	111,1	M12×80	103,5	33	12	155,5	105,5	39,0	20	94	76	91
310	200,80	133,4	M12×100	123,5	40	14	200,4	138,4	42,8	20	104,5	103	108
400	299,24	171,5	M16×100	152,5	50	17	205,9	143,9	60,0	28	129	115	127

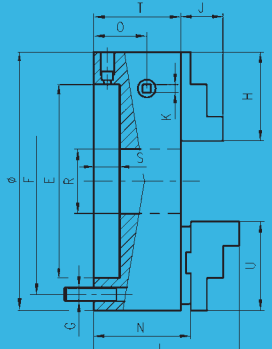
M2 IUPS



IUPHS



M2 IUPS

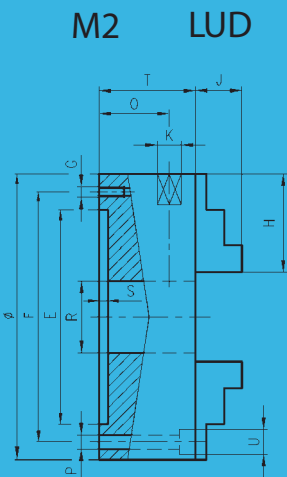
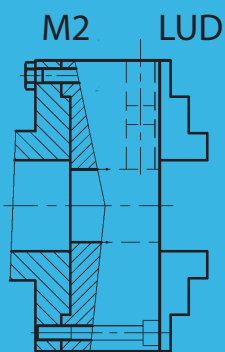
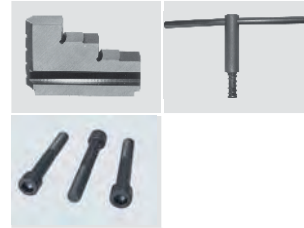


IUPHS



LUD – TYP 243812.5

Basic delivery contains:



∅			kg
85	M2	084020	1,60
100	M2	104020	2,75
125	M2	124020	4,85
160	M2	164020	7,32
200	M2	204020	15,42
250	M2	254020	23,80
315	M2	314020	44,50
350	M2	354020	54,10
400	M2	404020	57,50

Max. moment M, max. gripping force F, max. rotations n			
∅	M (Nm)	F (kN)	n (min ⁻¹)
85	10	20	4800
100	15	26	4200
125	22	36	3700
160	38	46	3000
200	54	74	2300
250	80	94	1700
315	94	126	1500
350	94	126	1300
400	94	126	1300

∅	E H7	F±0,2	G	H	J	K	O	P	R	S	T	U
85	62	72	—	34	17	6	20	4×7	25	4	42	11
100	70	83	—	41	17	6	20	4×9	25	4	42	15
125	95	108	—	51	19	8	21	4×9	28	4	44	15
160	125	140	4×M10	47	22	8	32	4×11	45	4	54	17
200	125	140	4×M10	75	32	12	44	4×11	50	4	72	17
250	200	224	4×M12	75	32	12	44	4×13	60	5	72	20
315	200	224	4×M12	100	36	14	49	4×13	75	5	80	20
350	260	286	—	100	37	14	60	4×13	75	5	92,5	20
400	260	286	—	100	37	14	60	4×13	105	5	92,5	20

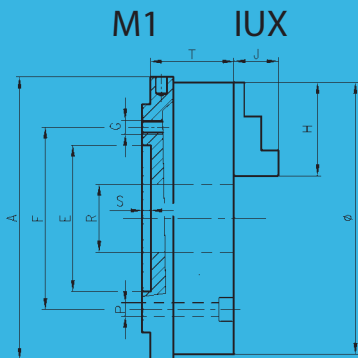
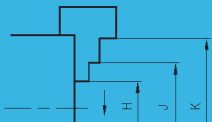
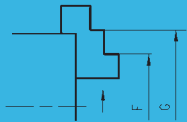
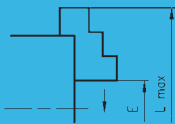
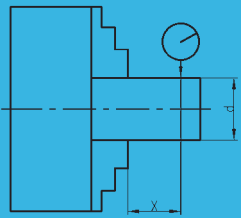
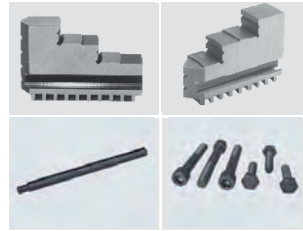
Available to supply with the flange of type 243830.0, type:

- A – DIN 55026; ISO 702/I
- B – DIN 55027; ISO 702/III
- D – DIN 55029 inch; ISO 702/II inch



IUX – TYP 243889.0

Basic delivery contains:



M1 IUX

M2 IUX

Geometrical accuracy

Ø	↗	x	d
65	0,08	25	10
70	0,08	25	10
110	0,10	30	20
125	0,15	30	30

Maximum speed

Ø	n (min ⁻¹)
65	3000
70	3000
110	3000
125	3000

Gripping capacity

Ø	E	F	G	H	J	K	L _{max.}	3爪		4爪		
								Ø	kg	kg	kg	
65	3-27	23-48	48-73	3-27	27-51	52-76	92	65	000201	0,98	—	—
70	3-27	23-48	48-73	3-27	27-51	52-76	98	70	000205	1,15	000208	1,25
110	3-49	34-70	68-104	3-49	40-76	76-110	132	110	000206	2,68	000207	2,85
125	3-49	39-75	73-116	3-49	46-88	83-125	147	125	000209	4,12	000300	4,45

Execution

Ø		A	E H7	F ±0,2	G	H	J	P	R	S	T
65	M2	65	30	26	—	32	13,3	3×5,3	15	3	34
70	M1	72	48	39	3×M6	36	13,3	—	15	3	34
110	M1	112	75	62	3×M8	42	18,3	—	26	3	39
125	M1	126	70	83	3×M8	42	17,4	—	30	3	46

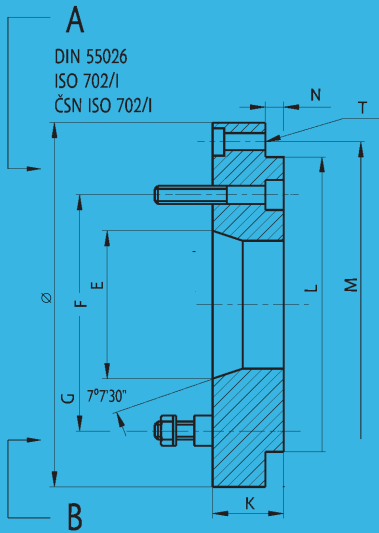


TYP 243830.0

Adaptors with short taper for chucks IUS, IUM, IUD

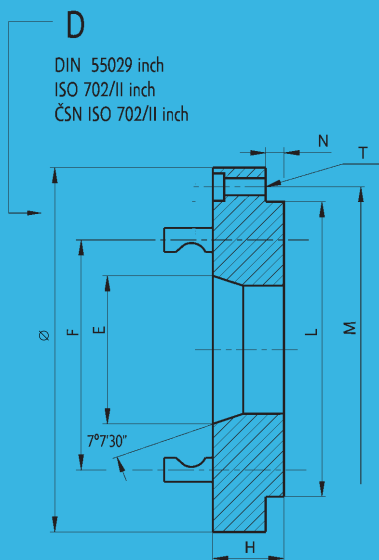
Taper size

Ø	Taper size	A		B		D	
		Part No.	kg	Part No.	kg	Part No.	kg
103	3	100133	0,95	100143	0,95	100163	1,10
127	3	120133	1,20	120143	1,30	120163	2,20
127	4	120134	1,10	120144	1,30	120164	2,40
160	3	160133	2,30	160143	2,30	160163	3,40
160	4	160134	2,30	160144	2,20	160164	3,65
160	5	160135	2,20	160145	2,20	160165	3,50
200	3	200133	3,80	200143	3,80	200163	5,60
200	4	200134	3,70	200144	3,70	200164	5,65
200	5	200135	3,60	200145	3,60	200165	6,90
200	6	200136	3,30	200146	3,70	200166	6,70
250	4	250134	8,90	250144	9,30	250164	10,50
250	5	250135	8,40	250145	8,70	250165	11,10
250	6	250136	7,10	250146	7,40	250166	9,60
250	8	250138	6,80	250148	6,90	250168	10,10
315	5	310135	17,80	310145	17,90	310165	17,70
315	6	310136	17,30	310146	17,40	310166	16,60
315	8	310138	15,50	310148	15,80	310168	18,60
315	11	310031	14,10	310141	15,40	310161	16,70
400	6	400136	27,80	400146	27,80	400166	30,10
400	8	400138	26,50	400148	26,50	400168	29,20
400	11	400131	23,00	400141	24,60	400161	29,70



DIN 55026
ISO 702/I
ČSN ISO 702/I

DIN 55027
ISO 702/III
ČSN ISO 702/III



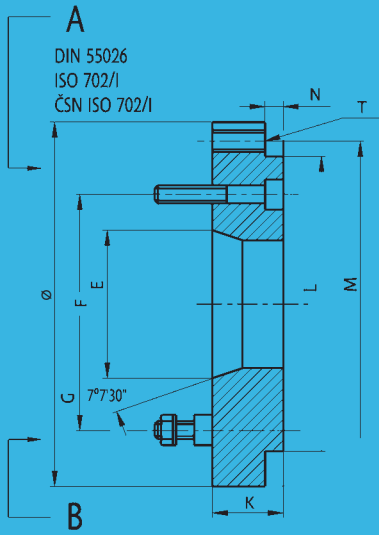
DIN 55029 inch
ISO 702/II inch
ČSN ISO 702/II inch

Ø	Taper size	E	F	G	H	K	L	M	N	T
103	3	53,90	70,60	75	28,50	17,50	63	70	3,5	3x6,4/11
127	3	53,90	70,60	75	25,50	17,50	80	90	3,5	3x8,4/15
127	4	63,50	82,60	85	27,50	19,50	100	110	3,5	3x8,4/15
160	3	53,90	70,60	75	25,50	17,50	130	143	3,5	3x8,4/15
160	4	63,50	82,60	85	27,50	17,50	130	143	3,5	3x8,4/15
160	5	82,50	104,80	104,80	29,50	17,50	130	143	3,5	3x8,4/15
200	3	53,90	70,60	75	27,50	19,50	162	180	3,5	3x10,5/18
200	4	63,50	82,60	85	27,50	19,50	162	180	3,5	3x10,5/18
200	5	82,50	104,80	104,80	30,00	19,50	162	180	3,5	3x10,5/18
200	6	106,30	133,40	133,40	34,50	19,50	162	180	3,5	3x10,5/18
250	4	63,50	82,60	85	29,50	23,50	210	226	4,5	3x10,5/18
250	5	82,50	104,80	104,80	29,50	23,50	210	226	4,5	3x10,5/18
250	6	106,30	133,40	133,40	34,50	23,50	210	225	4,5	3x10,5/18
250	8	139,70	171,40	171,40	37,50	23,50	210	226	4,5	3x10,5/18
315	5	82,50	104,80	104,80	34,50	29,50	265	290	5,5	4x13/20
315	6	106,30	133,40	133,40	34,50	29,50	265	290	5,5	4x13/20
315	8	139,70	171,40	171,40	47,50	29,50	265	290	5,5	4x13/20
315	11	196,80	235	235	44,50	29,50	265	290	5,5	4x13/20
400	6	106,30	133,40	133,40	34,50	29,50	350	375	6,5	6x13/20
400	8	139,70	171,40	171,40	37,50	29,50	350	375	6,5	6x13/20
400	11	196,80	235	235	44,50	29,50	350	375	6,5	6x13/20



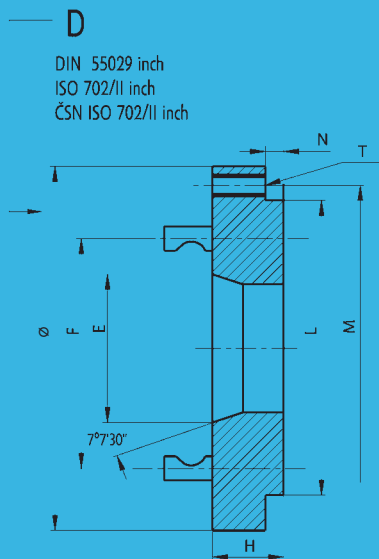
TYP 243830.0

Adaptors with short taper for Chucks IUG, IUGO, IUH, IUHO



A
DIN 55026
ISO 702/I
ČSN ISO 702/I

B
DIN 55027
ISO 702/III
ČSN ISO 702/III



D
DIN 55029 inch
ISO 702/II inch
ČSN ISO 702/II inch

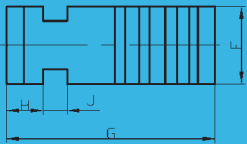
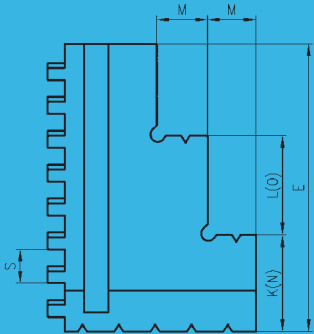
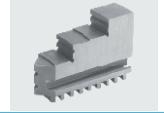
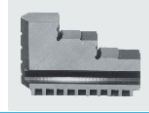
		Taper size					
		A		B		D	
Ø			kg		kg		kg
100	3	100933	0,95	100943	0,95	100963	1,10
125	3	120933	1,10	120943	1,30	120963	2,20
125	4	120934	1,00	120944	1,20	120964	2,40
160	3	160933	2,20	160943	2,20	160963	3,40
160	4	160934	2,20	160944	2,10	160964	3,65
160	5	160935	2,10	160945	2,10	160965	3,50
200	3	200933	3,80	200943	3,80	200963	5,60
200	4	200934	3,70	200944	3,70	200964	5,65
200	5	200935	3,60	200945	3,60	200965	7,30
200	6	200936	3,30	200946	3,70	200966	6,70
250	4	250934	8,00	250944	8,40	250964	10,50
250	5	250935	7,50	250945	7,80	250965	11,10
250	6	250936	7,10	250946	7,40	250966	9,60
250	8	250938	6,80	250948	6,90	250968	10,10
310	5	310935	16,50	310945	16,60	310965	17,70
310	6	310936	16,00	310946	16,10	310966	16,60
310	8	310938	14,70	310948	15,00	310968	19,60
310	11	310031	13,00	310941	14,30	310961	16,70
400	6	400936	26,70	400946	26,70	400966	30,50
400	8	400938	25,40	400948	25,40	400968	29,20
400	11	400931	23,00	400941	24,60	400961	29,70
500	11	500931	34,20	500941	35,80	500961	44,20

Ø	Taper size	E	F	G	H	K	L	M	N	T
100	3	53,90	70,60	75	28,50	17,50	70	83	2,5	7xM8
125	3	53,90	70,60	75	27,50	14,50	95	108	3,5	7xM8
125	4	63,50	82,60	85	27,50	14,50	95	108	3,5	7xM8
160	3	53,90	70,60	75	27,50	14,50	125	140	3,5	7xM10
160	4	63,50	82,60	85	27,50	14,50	125	140	3,5	7xM10
160	5	82,50	104,80	104,80	29,50	14,50	125	140	3,5	7xM10
200	3	53,90	70,60	75	27,50	19,50	160	176	3,5	7xM10
200	4	63,50	82,60	85	27,50	19,50	160	176	3,5	7xM10
200	5	82,50	104,80	104,80	34,50	19,50	160	176	3,5	7xM10
200	6	106,30	133,40	133,40	34,50	19,50	160	176	3,5	7xM10
250	4	63,50	82,60	85	29,50	19,50	200	224	4,5	7xM12
250	5	82,50	104,80	104,80	29,50	19,50	200	224	4,5	7xM12
250	6	106,30	133,40	133,40	37,50	23,50	200	224	4,5	7xM12
250	8	139,70	171,40	171,40	37,50	23,50	200	224	4,5	7xM12
310	5	82,50	104,80	104,80	34,50	22,50	260	286	4,5	7xM12
310	6	106,30	133,40	133,40	34,50	22,50	260	286	4,5	7xM12
310	8	139,70	171,40	171,40	44,50	29,50	260	286	4,5	7xM12
310	11	196,80	235	235	44,50	29,50	260	286	4,5	7xM12
400	6	106,30	133,40	133,40	37,50	23,50	330	362	6,5	7xM16
400	8	139,70	171,40	171,40	37,50	23,50	330	362	6,5	7xM16
400	11	196,80	235	235	44,50	29,50	330	362	6,5	7xM16
500	11	196,80	235	235	44,50	29,50	420	458	6,5	6xM16

Solid hard jaw

Hard outside jaws SCVB **TYP 243849.0**

Hard inside jaws SCNB **TYP 243850.0**



Ø	3 Ł		4 Ł		6 Ł	
	STANDARD		STANDARD		SUPERIOR	
	kg		kg		kg	
80	083200	0,043	084200	0,04	—	—
100	103200	0,082	104200	0,08	—	—
125	123200	0,14	124200	0,14	126100	0,14
160	163200	0,24	164200	0,23	166100	0,22
200	203200	0,46	204200	0,45	206100	0,42
250	253200	0,73	254200	0,72	256100	0,71
315	313200	1,33	314200	1,28	316100	1,22
400	403200	2,04	404200	1,96	406100	1,92
500	503100	3,82	504100	3,58	506100	3,44

Ø	E	F	G	H	J	K ¹⁾	L ¹⁾	M	N ²⁾	O ²⁾	S
80	35,5	10	27	5,9	5	10,5	12,5	6	11,0	12,5	6
100	41,5	14	34	5,9	7	10,5	17,0	8	11,0	17,0	6
125	51,5	16	36	5,9	7	13,0	20,5	8	13,5	20,5	6
160	66,0	18	42	7,4	7	21,5	20,5	10	22,0	20,5	6
200	74,0	22	54	9,9	8	20,0	36,0	12	16,0	36,0	8
250	97,5	25	58	9,9	8	22,5	49,0	14	25,0	49,0	8
315	123,0	32	71	11,9	12	27,5	62,0	16	30,5	62,0	10
400	152,5	32	86	14,9	12	41,5	66,0	20	43,0	66,0	12
500	188,5	42	95	17,3	15	55,5	70,0	20	63,0	70,0	12

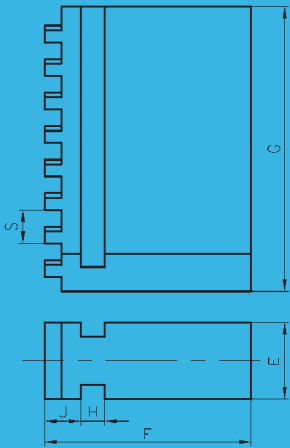
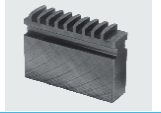
1) for SCVB only

Gripping surfaces ground

2) for SCNB only

Solid soft jaw MCU

TYP 243834.0



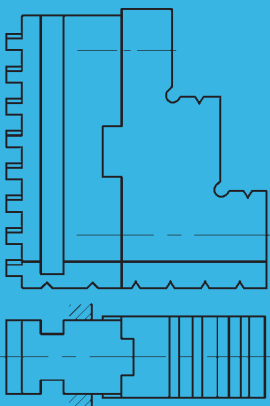
ø	3 ½		4 ½		6 ½	
		kg		kg		kg
80	083300	0,07	084300	0,07	—	—
100	103300	0,14	104300	0,14	—	—
125	123300	0,21	124300	0,21	126300	0,21
160	163300	0,36	164300	0,36	166300	0,36
200	203300	0,58	204300	0,58	206300	0,58
250	253300	1,00	254300	1,00	256300	1,00
315	313300	2,04	314300	2,04	316300	2,04
400	403300	2,98	404300	2,98	406300	2,98
500	503300	5,32	504300	5,32	406300	5,32

ø	E	F	G	H	J	S
80	10	27,9	37,2	5	5,9	6
100	14	34,9	43,2	7	5,9	6
125	16	36,9	53,2	7	5,9	6
160	18	43,1	67,9	7	7,4	6
200	22	55,1	79,0	8	9,9	8
250	25	58,6	103,0	8	9,9	8
315	32	72,4	125,0	12	11,9	10
400	32	87,4	153,5	12	14,9	12
500	42	95,0	190,0	15	17,3	12

Reversible jaw RCB

(base jaw ZC and hard reversible top jaw NT)

TYP 243875.2

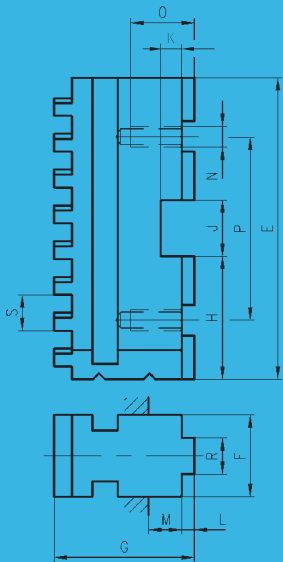
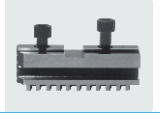


ø	3 ½		4 ½		6 ½	
		kg		kg		kg
100	103000	0,16	104000	0,16	—	—
125	123000	0,27	124000	0,26	126000	0,25
160	163000	0,40	164000	0,39	166000	0,38
200	203000	0,72	204000	0,70	206000	0,70
250	253000	1,10	254000	1,07	256000	1,05
315	313000	1,71	314000	1,67	316000	1,65
400	403000	2,70	404000	2,65	406000	2,60
500	503000	5,10	504000	5,02	506000	4,94

Gripping surfaces of top jaw ground

Base jaw ZC

TYP 243853.0



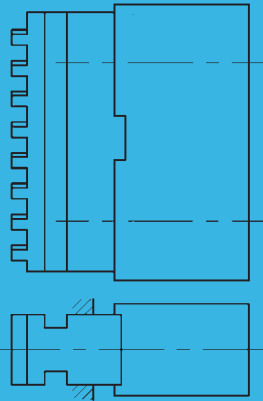
ø	3 Ł		4 Ł		6 Ł	
		kg		kg		kg
100	103100	0,08	104100	0,08	—	—
125	123100	0,12	124100	0,12	126100	0,12
160	163100	0,19	164100	0,18	166100	0,18
200	203100	0,38	204100	0,37	206100	0,37
250	253100	0,47	254100	0,46	256100	0,45
315	313100	0,85	314100	0,83	316100	0,82
400	403100	1,18	404100	1,15	406100	1,13
500	503100	2,20	504100	2,16	506100	2,13

ø	E	F	G	H	J	K	L
100	41,5	14	26	19	9,50	5,8	2,6
125	52,0	16	28	25	9,50	5,8	2,6
160	65,0	18	32	29	12,67	7,7	3,6
200	75,6	22	40	35	12,67	7,6	3,5
250	90,5	25	40	41	19,03	7,6	3,5
315	125,5	32	42	50	19,03	7,7	3,6
400	127,5	32	54	57	19,03	10,3	3,2
500	165,0	42	66	57/95	2×19,03	10,3	3,2

ø	M	N	O	P	R	S
100	6,4	M 6	11	19,0	6,35	6
125	8,4	M 6	15	22,2	6,35	6
160	9,4	M 8	19	38,0	7,92	6
200	11,5	M 8	22	44,4	7,92	8
250	11,5	M 12	22	54,0	12,70	8
315	7,4	M 12	25	63,5	12,70	10
400	14,9	M 16	28	76,0	12,70	12
500	21,5	M 20	32	2×76	12,70	12

Soft sectional jaw MD
(base jaw SM and soft top jaw ND or NC)

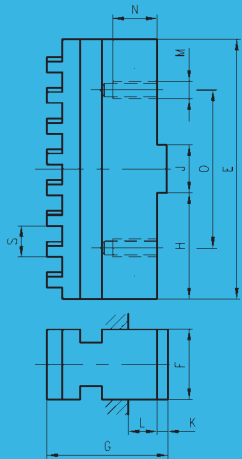
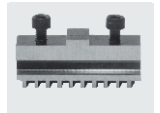
TYP 243876.0



Ø	2 []		3 []		4 []	
		kg		kg		kg
80	—	—	083300	0,12	084300	0,12
100	102300	0,29	103300	0,22	104300	0,22
125	122300	0,49	123300	0,34	124300	0,34
160	162300	0,83	163300	0,57	164300	0,57
200	202300	1,37	203300	1,03	204300	1,03
250	252300	2,25	253300	1,52	254300	1,52
315	312300	5,25	313300	3,98	314300	3,98
400	402300	5,71	403300	4,65	404300	4,65
500	502300	8,69	503300	8,69	504300	8,69

Base jaw SM

TYP 243855.0

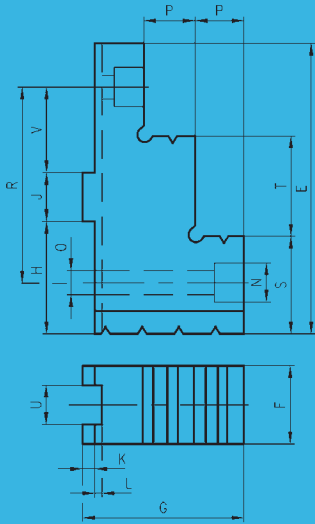
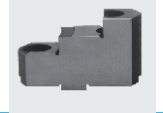


Ø	2 []		3 []		4 []	
		kg		kg		kg
100	102000	0,09	103000	0,09	104000	0,09
125	122000	0,11	123000	0,11	124000	0,11
160	162000	0,16	163000	0,16	164000	0,16
200	202000	0,34	203000	0,34	204000	0,34
250	252000	0,51	253000	0,51	254000	0,51
315	312000	0,95	313000	0,95	314000	0,95
400	402000	1,32	403000	1,32	404000	1,32
500	502000	2,17	503000	2,17	504000	2,17

Ø	E	F	G	H	J	K	L	M	N	O	S
100	43	14	25	16,5	10	3	5,3	M 5	11	20	6
125	52	16	25	20,0	12	3	5,3	M 5	10	28	6
160	64	18	26	26,0	12	3	4,0	M 6	10	38	6
200	77	22	32	31,5	14	3	4,0	M 10	15	48	8
250	101	25	32	43,5	14	3	4,0	M 10	15	55	8
315	125	32	44	52,5	20	4	5,0	M 12	18	60	10
400	150	32	48	65,0	20	4	5,0	M 12	18	70	12
500	189	42	54	84,5	20	5	6,0	M 16	20	90	12

Hard reversible top jaw NT

TYP 243854.0



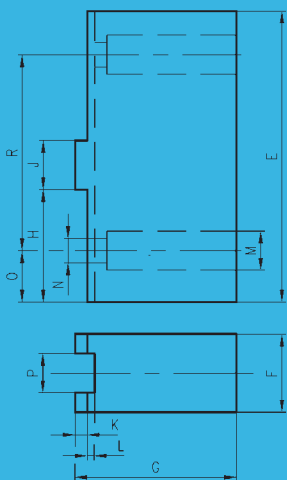
Ø	3 ½		4 ½		6 ½	
		kg		kg		kg
100	103000	0,08	104000	0,07	—	—
125	123000	0,14	124000	0,13	126000	0,13
160	163000	0,19	164000	0,18	156000	0,18
200	203000	0,31	204000	0,30	206000	0,30
250	253000	0,55	254000	0,54	256000	0,53
315	313000	0,78	314000	0,76	316000	0,75
400	403000	1,36	404000	1,34	406000	1,31
500	503000	2,57	504000	2,52	506000	2,48

Ø	E	F	G	H	J	K	L	N	O	P	R	S	T	U	V
100	46,5	15,75	29	19	9,50	2,4	3,6	11	6,4	7,1	19,0	11,0	17,5	6,40	4,76
125	56,0	18,80	33,6	24	9,50	2,4	3,6	11	6,4	8,0	22,2	13,0	20,6	6,40	6,35
160	67,0	24,80	40,0	29	12,67	3,0	4,3	15	8,4	9,5	38,0	16,0	28,6	7,95	12,70
200	76,0	24,00	43,0	35	12,67	3,0	4,3	15	8,4	10,3	44,4	20,3	29,4	7,95	15,87
250	91,0	30,00	53,0	40	19,03	3,0	4,3	20	13,0	12,7	54,0	27,5	31,8	12,70	17,50
315	108,0	33,00	56,0	48	19,03	3,0	4,3	20	13,0	14,3	63,5	29,0	39,7	12,70	22,20
400	128,0	38,00	68,0	57	19,03	6,4	4,3	26	17,0	16,0	76,0	47,5	34,1	12,70	28,60
500	133,0	48,00	80,0	57	19,03	6,4	4,3	32	21,0	20,0	76,0	51,2	33,2	12,70	28,60

Gripping surfaces of top jaw not ground.

Soft top jaw NM

TYP 243831.0



Ø	3 ½		4 ½		6 ½	
		kg		kg		kg
100	103300	0,15	104300	0,15	—	—
125	123300	0,30	124300	0,30	126300	0,30
160	163300	0,36	164300	0,36	166300	0,36
200	203300	0,54	204300	0,54	206300	0,54
250	253300	1,01	254300	1,01	256300	1,01
315	313300	1,44	314300	1,44	316300	1,44
400	403300	2,01	404300	2,01	406300	2,01
500	503300	2,95	504300	2,95	506300	2,95

Ø	E	F	G	H	J	K	L	M	N	O	P	R
100	51	16	32	24	9,50	2,4	3,6	11	6,4	19,0	6,40	19,0
125	74	20	32	32	9,50	2,4	3,6	11	6,4	26,0	6,40	22,2
160	77	20	40	32	12,67	3,0	4,3	15	8,4	19,5	7,95	38,0
200	88	25	40	38	12,67	3,0	4,3	15	8,4	22,0	7,95	44,4
250	106	30	50	43	19,03	3,0	4,3	20	13,0	26,0	12,70	54,0
315	124	33	56	52	19,03	3,0	4,3	20	13,0	30,0	12,70	63,5
400	139	38	68	60	19,03	6,4	4,3	26	17,0	32,0	12,70	76,0
500	144	48	78	64	19,03	6,4	4,3	34	21,0	36,0	12,70	76,0

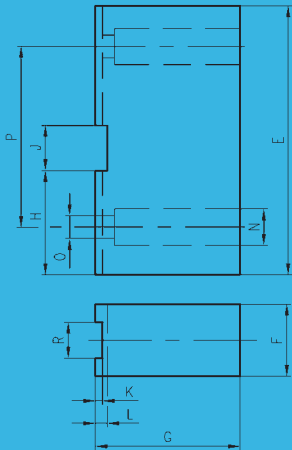
Soft top jaw ND

TYP 243856.0



Soft top jaw NC

TYP 243857.0



Ø	2 []		3 []		4 []	
	TYP 243856.0		TYP 243857.0		TYP 243857.0	
		kg		kg		kg
100	102300	0,19	103300	0,12	104300	0,12
125	122300	0,37	123300	0,22	124300	0,22
160	162300	0,67	163300	0,40	164300	0,40
200	202300	0,98	203300	0,65	204300	0,65
250	252300	1,69	253300	0,96	254300	0,96
315	312300	3,28	313300	2,01	314300	2,01
400	402300	4,32	403300	3,26	404300	3,26
500	502300	6,34	503300	6,34	504300	6,34

Ø	E	F1)	F2)	G1)	G2)	H	J	K	L	N	O	P	R
100	50	26	20	26	20	20,0	10	3	6,5	10	5,3	20	14
125	65	30	20	35	25	24,0	12	3	6,5	10	5,3	28	16
160	75	30	25	40	40	31,5	12	3	6,5	11	6,4	38	18
200	95	40	30	40	40	40,5	14	3	6,5	18	10,5	48	22
250	120	45	35	50	40	53,0	14	3	6,5	18	10,5	55	25
315	140	50	40	60	60	60,0	20	4	8,5	20	13,0	60	32
400	165	50	40	70	70	72,5	20	4	8,5	20	13,0	70	32
500	205	60	60	90	90	92,5	20	4	9,5	26	17,0	90	42

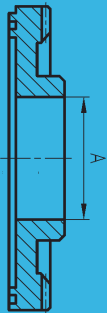
1) for ND only

2) for NC only

Scroll

TYP 243861.0
TYP 243881.0
TYP 243887.0

TYP 243861.0 - IUS, IUD, IUM
TYP 243881.0 - IUG, IUH, IUGO, IUHO, IUPG, IUHPG
TYP 243887.0 - IUPS, IUHPS

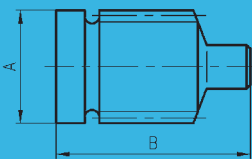


ø	TYP 243861.0			TYP 243881.0			TYP 243887.0		
		kg	A		kg	A		kg	A
80	080000	0,11	30	080000	0,15	26,000	—	—	—
100	100000	0,22	40	100000	0,28	34,000	—	—	—
125	120000	0,43	50	120000	0,41	53,972	—	—	—
160	160000	0,60	84	160000	0,64	69,847	160000	0,64	69,847
200	200000	1,17	100	200000	1,25	85,722	200000	1,25	85,722
250	250000	2,33	132	250000	2,43	120,647	250000	2,43	130,170
315	310000	4,56	168	310000	4,85	155,575	310000	4,85	155,575
400	400000	6,86	225	400000	7,22	180,000	400000	7,22	196,850
500	500000	11,20	270	500000	11,20	270,000	—	—	—

Pinion

TYP 243862.0
TYP 243882.0
TYP 243888.0

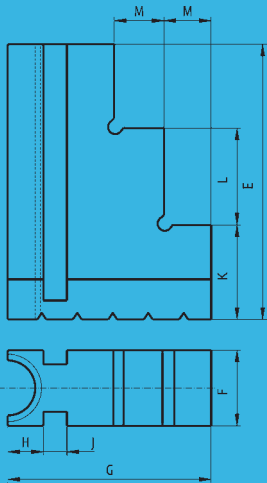
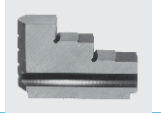
TYP 243862.0 - IUS, IUD, IUM
TYP 243882.0 - IUG, IUH, IUGO, IUHO, IUPG, IUPHG
TYP 243888.0 - IUPS, IUPHS



ø	TYP 243862.0				TYP 243882.0				TYP 243888.0			
		kg	A	B		kg	A	B		kg	A	B
80	080000	0,03	20,0	28,5	080000	0,04	20,0	30,5	—	—	—	—
100	100000	0,05	22,0	34,0	100000	0,06	22,0	37,0	—	—	—	—
125	120000	0,05	22,0	43,0	120000	0,08	27,0	42,0	—	—	—	—
160	160000	0,06	25,0	43,0	160000	0,10	28,6	51,0	160000	0,10	28,6	51,0
200	200000	0,12	27,0	59,0	200000	0,13	30,2	65,0	200000	0,13	30,2	65,0
250	250000	0,19	33,0	66,5	250000	0,24	33,4	78,0	250000	0,24	33,4	78,0
315	310000	0,36	40,0	84,0	310000	0,37	40,0	92,0	310000	0,37	34,9	92,0
400	400000	0,53	44,0	102,0	400000	0,62	44,0	122,0	400000	0,62	41,2	118,0
500	500000	1,05	44,0	129,0	500000	1,05	44,0	129,0	—	—	—	—

Hard reversible jaw LC

TYP 243872.0



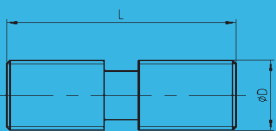
4 jaw – set

Ø		kg
85	080000	0,06
100	100000	0,08
125	120000	0,12
160	160000	0,20
200	200000	0,55
250	250000	0,55
315	310000	1,00
350	350000	1,00
400	400000	1,00

Ø	E	F	G	H	J	K	L	M
85	34	14	34	5,9	7,0	9	9	8
100	41	14	34	5,9	7,0	10	12	8
125	51	16	36	5,9	7,0	10	20	8
160	47	24	39	8,0	10,3	13	17	8
200	75	32	54	11,0	12,3	19	24	12
250	75	32	54	11,0	12,3	19	24	12
315	100	36	63	12,0	15,3	30	35	14
350	100	36	63	12,0	15,3	30	35	14
400	100	36	63	12,0	15,3	30	35	14

Operating Screw

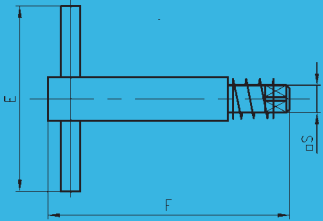
TYP 243871.0



Ø		kg	D	L
85	080000	0,03	16,0	29
100	100000	0,05	16,0	37
125	120000	0,07	18,0	48
160	160000	0,08	17,9	56
200	200000	0,17	23,9	73
250	250000	0,22	23,9	93
315	310000	0,37	26,9	117
350	350000	0,44	26,9	135
400	400000	0,53	26,9	145

Key with spring

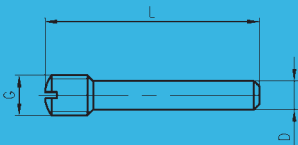
TYP 243864.0



\emptyset		kg	E	F	S
80	080000	0,11	105	65	6
100	100000	0,18	130	75	6
125	120000	0,18	170	95	8
160	160000	0,32	200	115	9
200	200000	0,75	260	145	11
250	250000	0,96	315	165	12
315	310000	1,39	350	180	14
400	400000	2,03	450	250	17
500	500000	2,03	450	250	17

Pinion pin

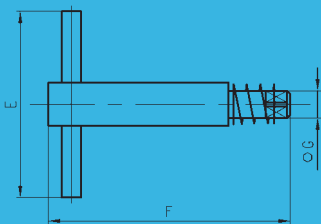
TYP 243863.0



\emptyset		kg	G	D	L
80	080000	0,01	M5	4,0	34
100	100000	0,01	M5	4,0	34
125	120000	0,01	M6	4,7	40
160	160000	0,01	M6	4,7	40
200	200000	0,01	M6	4,7	40
250	250000	0,01	M6	4,7	45
315	310000	0,02	M8	6,3	60
400	400000	0,03	M10	8,1	66
500	500000	0,03	M10	8,1	66

Key with spring for LUD

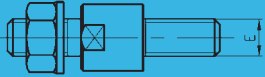
TYP 243870.0



\emptyset		kg	E	F	G
85	080000	0,11	105	65	6
100	100000	0,18	130	75	6
125	120000	0,18	170	95	8
160	160000	0,32	200	130	8
200	200000	0,75	250	165	12
250	250000	0,96	250	165	12
315	310000	1,39	300	180	14
350	350000	2,03	300	180	14
400	400000	2,03	300	180	14

Stud and locknut

TYP 243867.0

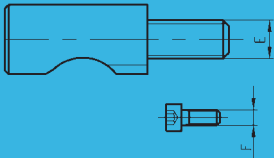


DIN 55027
ISO 702/III
ČSN ISO 702/III

Taper size		E	kg
3	000043	M10	0,056
4	000044	M10	0,057
5	000045	M10	0,078
6	000046	M12	0,115
8	000048	M16	0,227
11	000041	M20	0,440

Camlock stud and locking screw

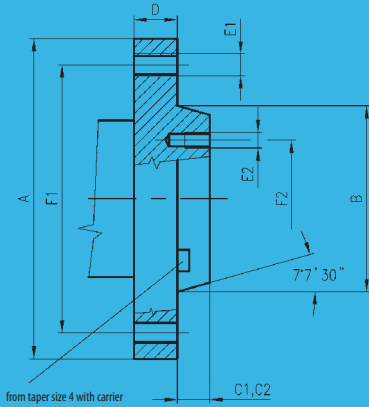
TYP 243869.0



DIN 55029 inch
ISO 702/II inch
ČSN ISO 702/II inch

Taper size		E	F	kg
3	000063	7/16"-20	1/4"-20	0,054
4	000064	7/16"-20	1/4"-20	0,064
5	000065	1/2"-20	1/4"-20	0,104
6	000066	5/8"-18	5/16"-18	0,174
8	000068	3/4"-16	5/16"-18	0,264
11	000061	7/8"-14	5/16"-18	0,439

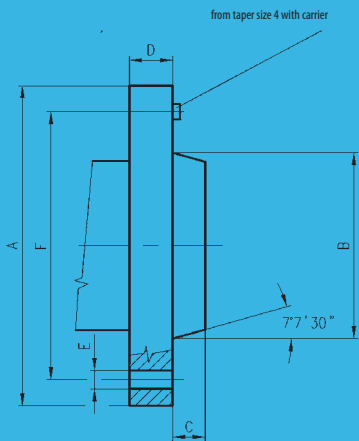
DIN 55026
ISO 702/I



Taper size	A	B	C1	C2	D	E1	E2	F1	F2
3	92	53,975	11	—	16	3×M10	—	70,6	—
4	108	63,513	11	—	20	11×M10	—	82,6	—
5	133	82,563	13	14,288	22	11×M10	8×M10	104,8	61,9
6	165	106,375	14	15,875	25	11×M12	8×M12	133,4	82,6
8	210	139,719	16	17,462	28	11×M16	8×M16	171,4	111,1
11	280	196,869	18	19,050	35	11×M20	8×M20	235,0	165,1

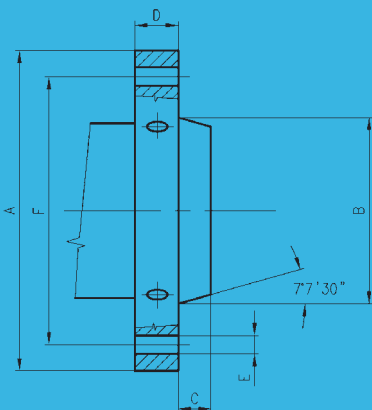
Dimensions C2, E2, F2 for execution A1 and A2 (taper size 5–11)

DIN 55027
ISO 702/III



Taper size	A	B	C	D	E	F
3	102	53,975	11	16	3×21	75,0
4	112	63,513	11	20	3×21	85,0
5	135	82,563	13	22	4×21	104,8
6	170	106,375	14	25	4×23	133,4
8	220	139,719	16	28	4×29	171,4
11	290	196,869	18	35	6×36	235,0

DIN 55029, ASA B 5.9 D1 inch
ISO 702/II inch



Taper size	A	B	C	D	E	F
3	92	53,975	11	32	3×15,1	70,6
4	117	63,513	11	34	3×16,7	82,6
5	146	82,563	13	38	6×19,8	104,8
6	181	106,375	14	45	6×23,0	133,4
8	225	139,719	16	50	6×26,2	171,4
11	298	196,869	18	60	6×31,0	235,0