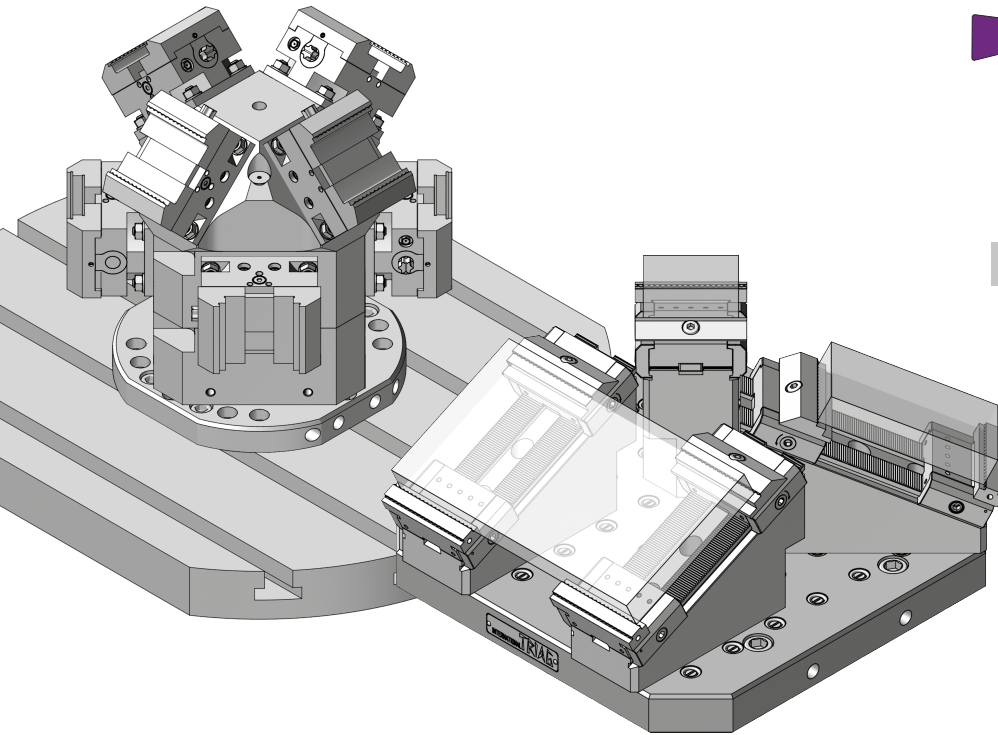




Maschinenspezifische Spannlösungen
Machine specific workholding solutions



TRIAG
INTERNATIONAL

powerCLAMP
triCENTRO

Spannsysteme
für höchste Effizienz.

*Workholding systems
for maximum efficiency.*



Mazak
Variaxis i-600



1



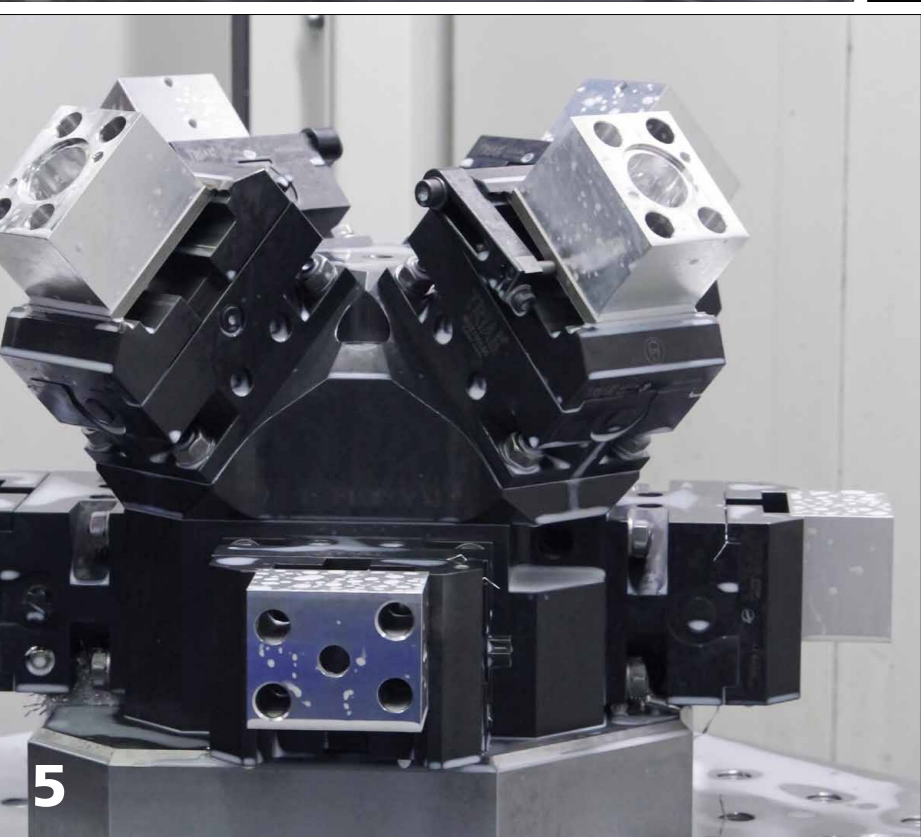
2



3



4



5

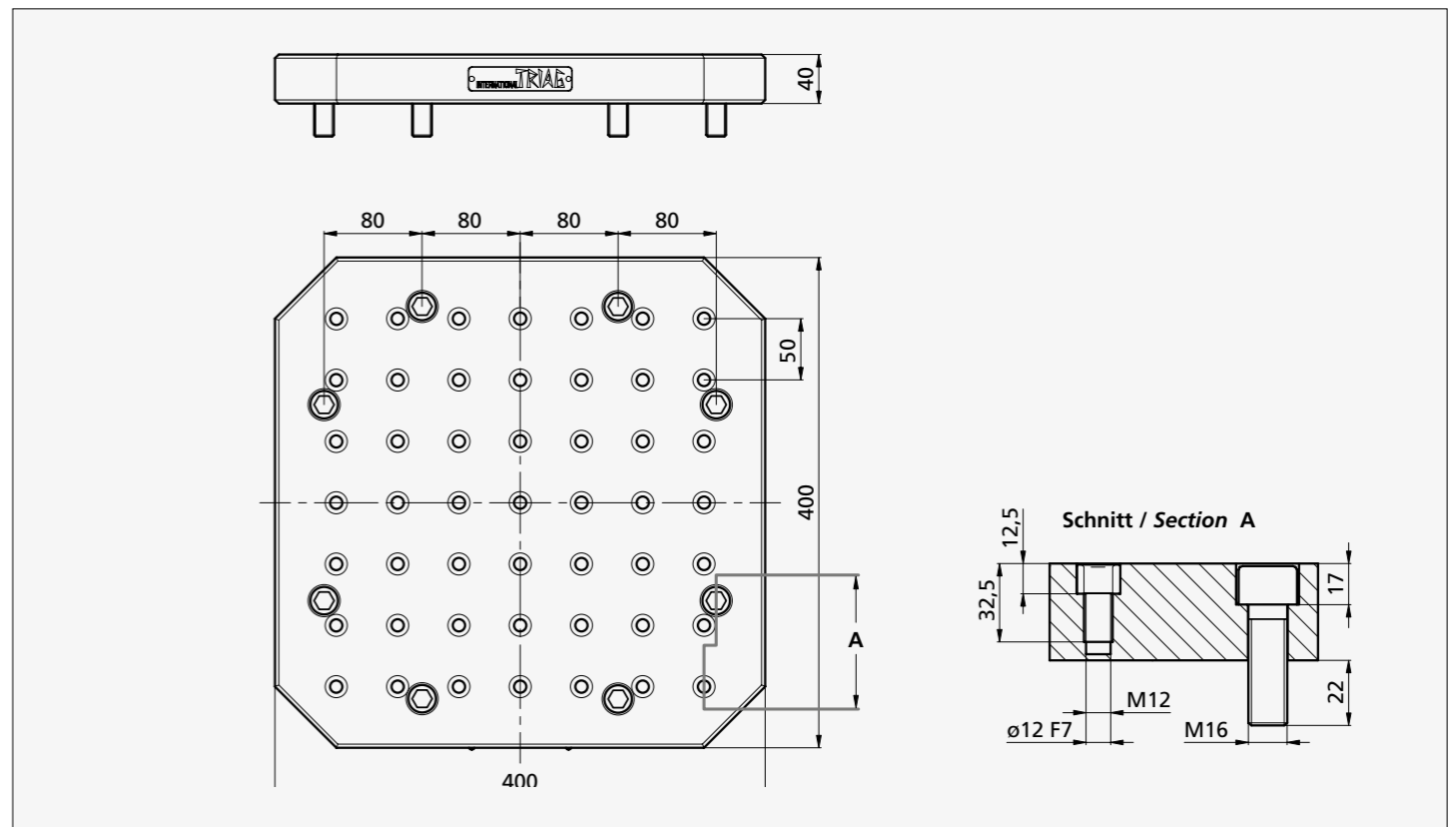
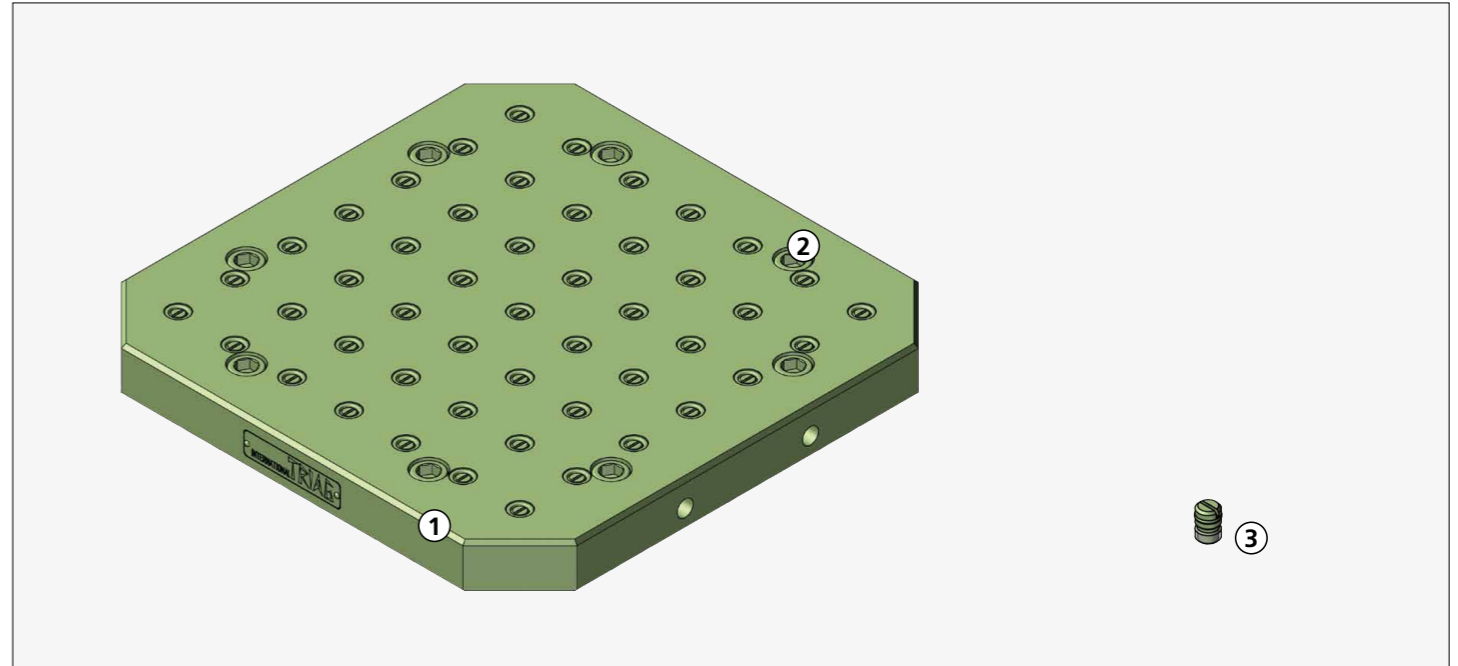


6

oppSYSTEM

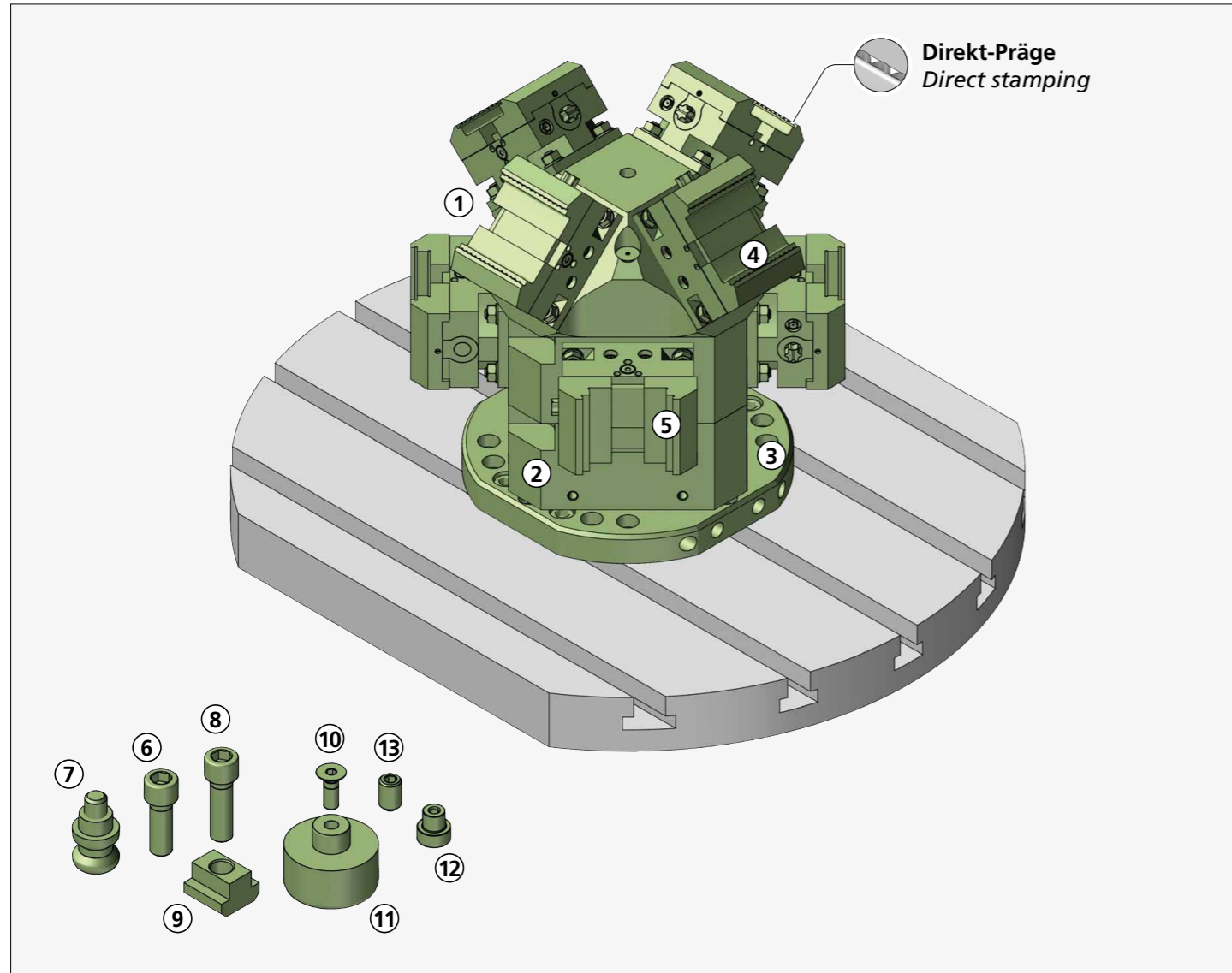
Rasterplatte 50mm
Gridplate 50mm

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INTERNATIONAL



①	Artikel Nr. und Inhalt Article Nr. and content	Bezeichnung Description	~Kg	Raster Grid
	MZI40040-R1	Maschinen-Set / Machine-Set	48	
①	1x ZF200097	Rasterplatte / Gridplate	-	49 x M12/12F7
②	8x M16 x 45	Zylinderschrauben / Cylinder screws	-	
③	49x CCPF12ALU	Stopfen / Plug	-	

3

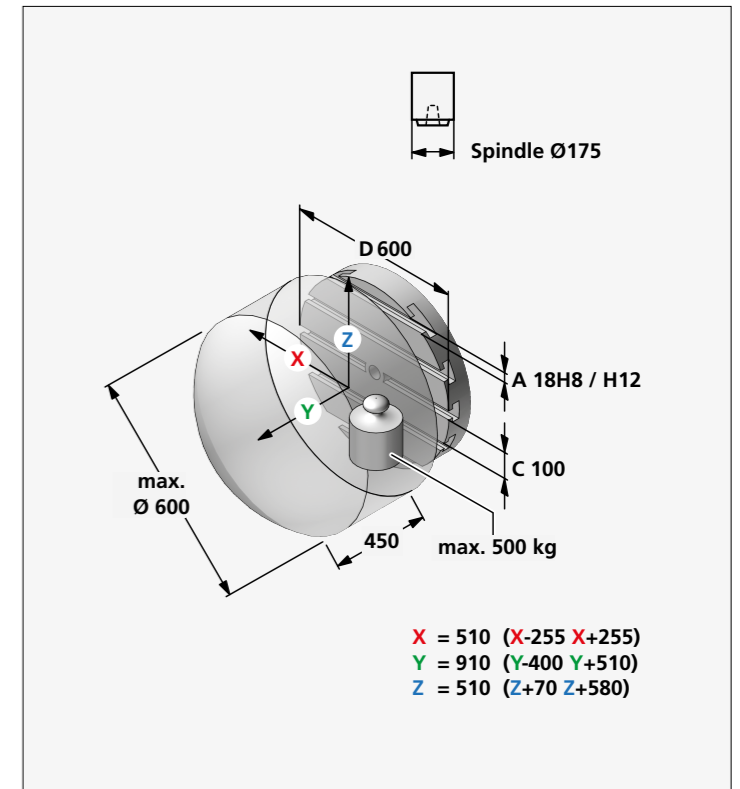
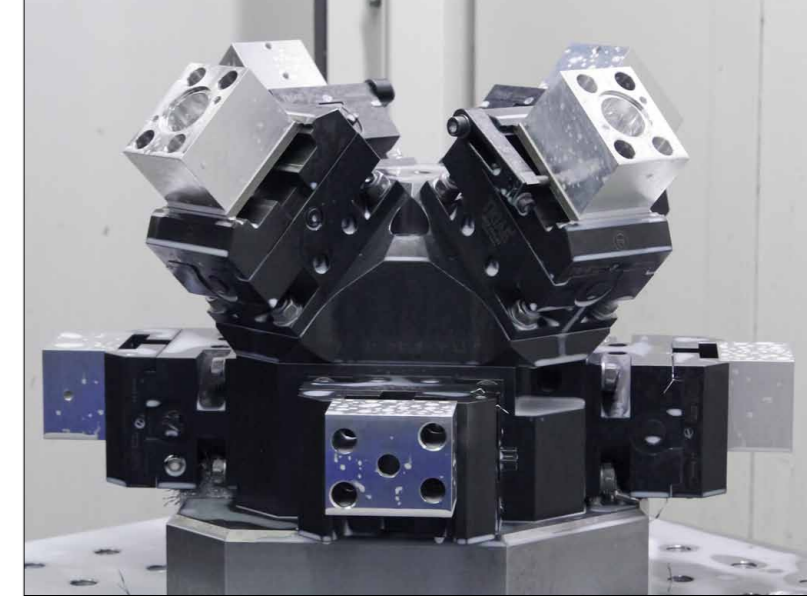


triCENTRO

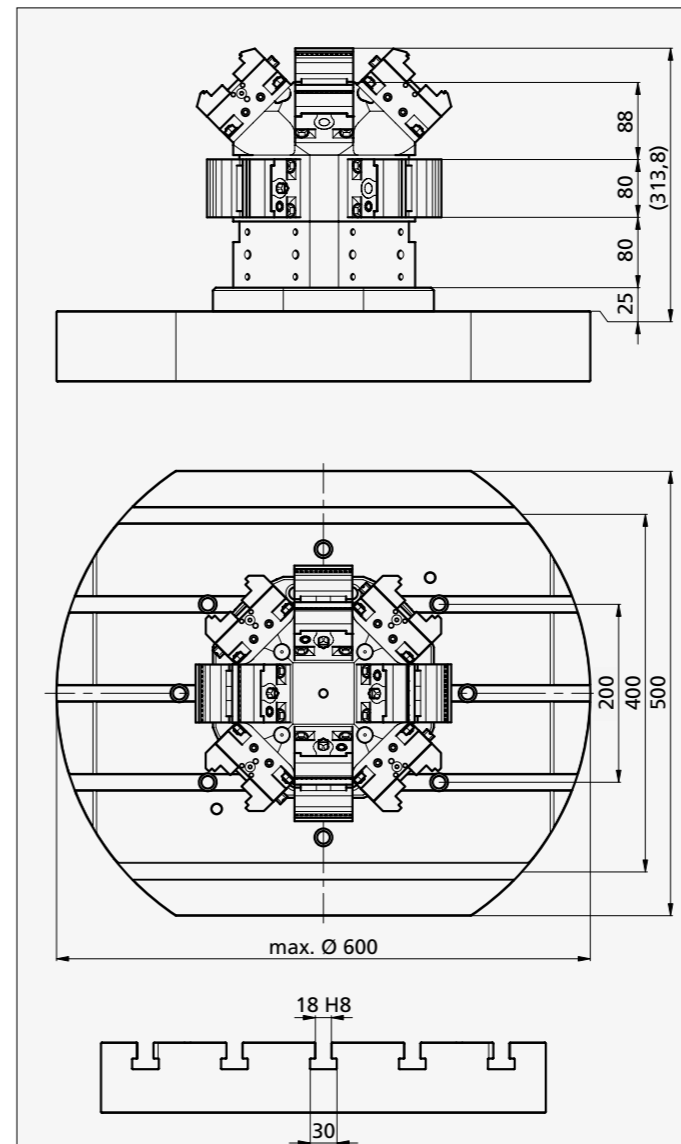
- ✓ Modulare Mehrfachspannung
- ✓ Backen-Schnellwechselsystem
- ✓ 3 mm Direkt-Prägebacken
- ✓ Beste Zugänglichkeit
- ✓ Modular erweiterbar

- ✓ Modular multiple workholding
- ✓ Jaw quick-change system
- ✓ 3 mm direct-stamping jaws
- ✓ Best accessibility
- ✓ Modular expandable

Drehmoment Torque		Spannkraft Workholding force		
Nm	(lb-ft)	~daN	~(lb)	~t
10	7,4	= 200	440	0,2
20	14,8	= 500	1'102	0,5
30	22,2	= 1'000	2'204	1,0
40	29,6	= 1'300	2'866	1,3
50	37,0	= 1'600	3'527	1,6

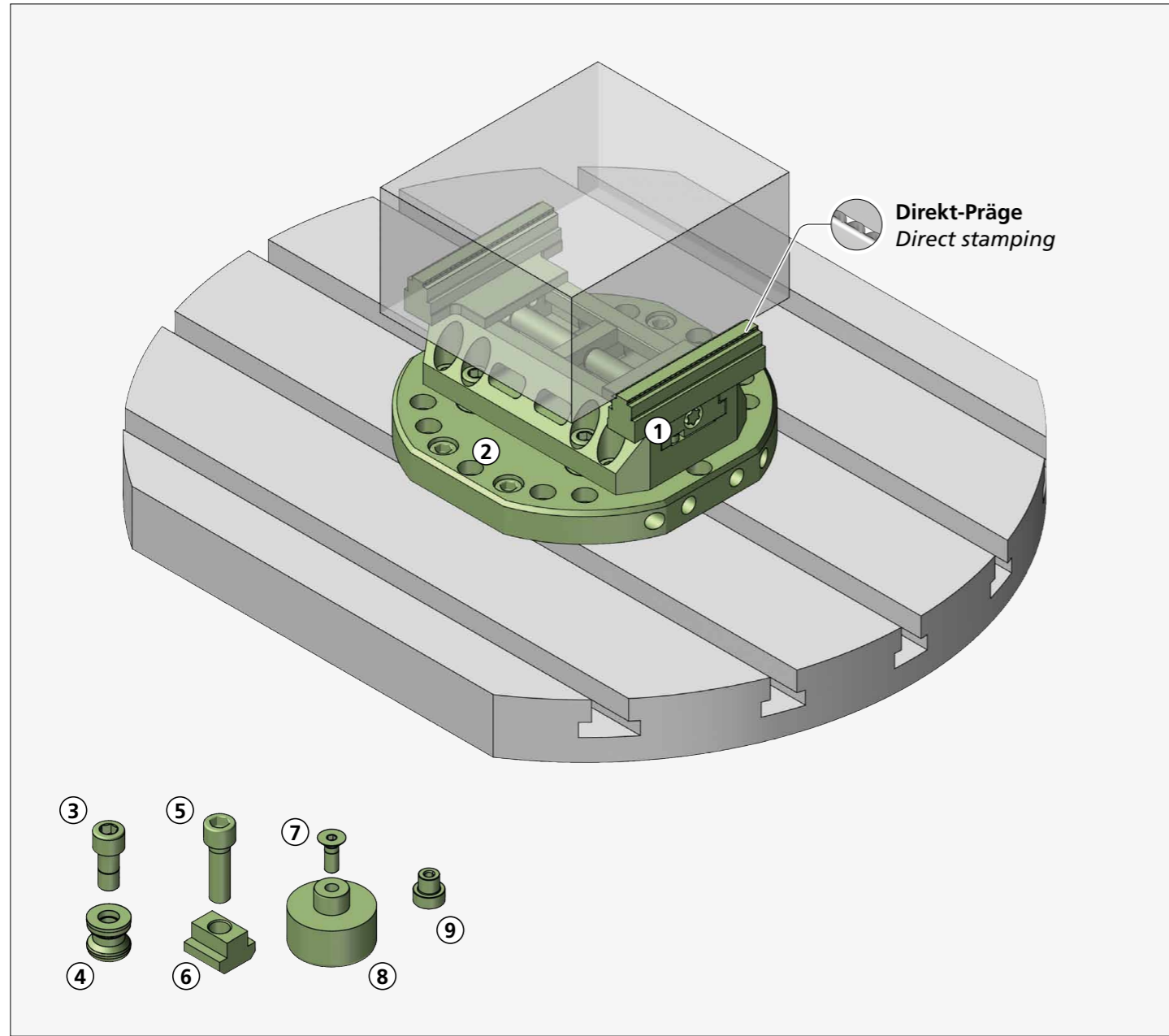


①	Artikel Nr. und Inhalt Article Nr. and content	Bezeichnung Description	~Kg	Spannbereich Clamping area
	MZI600-SET1	Maschinen-Set / Machine-Set	77	
①	1x 5AXMCZ100-45-8	Sputnik II-8 / Sputnik II-8	48	
②	1x TS160111	Erhöhung / riser block	15	
③	1x TF200099	Universal Flansch / Universal flange	7,5	
④	8x B175-64	Backe / Jaw	2,3	44 - 64
⑤	8x B173-64	Backe / Jaw	2,4	44 - 64
⑥	4x M12 x 45 ISO4762	Zylinderschrauben / Cylinder screws	-	
⑦	4x OPMB18M12	Nullpunkt Zentrierbolzen / Zero point pull studs	-	
⑧	4x M12 x 35 ISO4762	Zylinderschrauben / Cylinder screws	-	
⑨	4x SM1135M12X18	T-Nuten Steine / T-nuts	-	
⑩	1x M8 x 22 DIN7991	Senkschraube / Countersunk screws	-	
⑪	1x TH161104	Zentrierbolzen / Centering bolt	-	
⑫	1x TWADAPT18	Ausrichtzapfen für T-Nuten / Alignment-pins for t-slots	-	
⑬	8x TF180547	Gewindestift / Grub screw	-	



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Standardtisch / Standard table



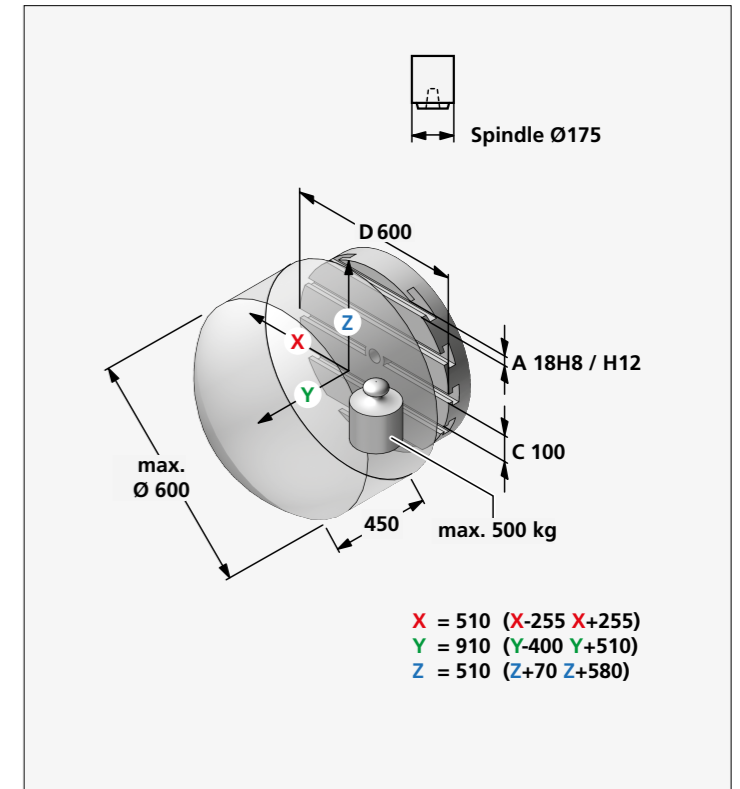
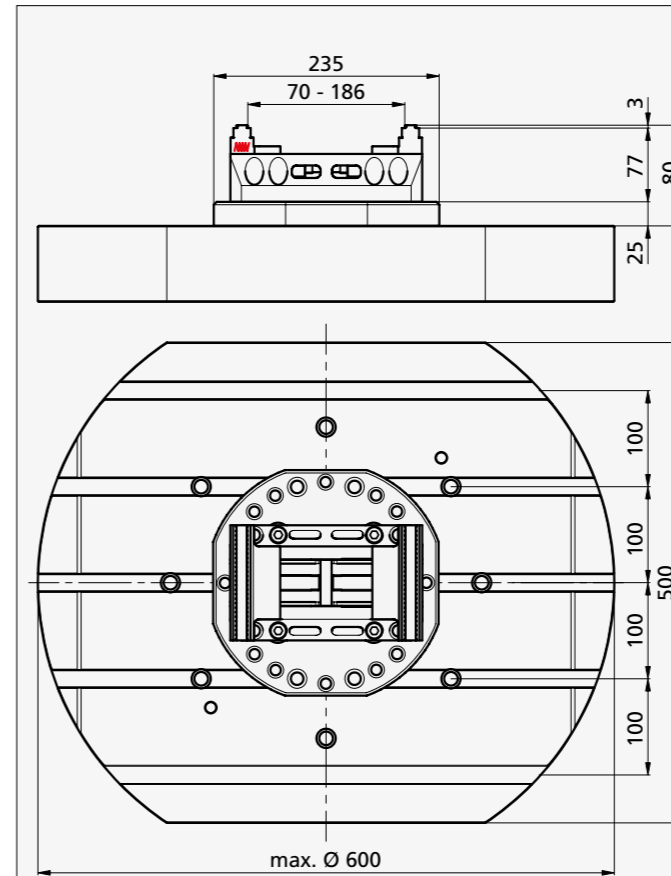
triCENTRO

- ✓ Modulare Mehrfachspannung
- ✓ Backen-Schnellwechselsystem
- ✓ 3 mm Direkt-Prägebacken
- ✓ Beste Zugänglichkeit
- ✓ Modular erweiterbar

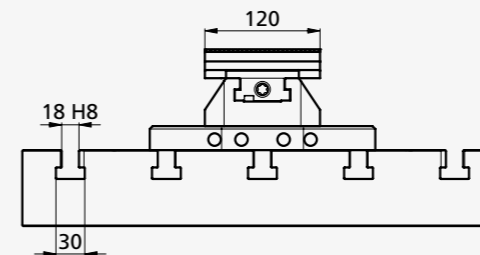
- ✓ Modular multiple workholding
- ✓ Jaw quick-change system
- ✓ 3 mm direct-stamping jaws
- ✓ Best accessibility
- ✓ Modular expandable



Steckschlüsseinsatz Socket wrench insert	Drehmoment Torque		Spannkraft Workholding force		
	Nm	(lb-ft)	~daN	~(lb)	~t
NUS3/8" TX30E14	10	7,4	= 200	440	0,2
	20	14,8	= 500	1'102	0,5
	30	22,2	= 1'000	2'204	1,0
	40	29,6	= 1'300	2'866	1,3
	50	37,0	= 1'600	3'527	1,6

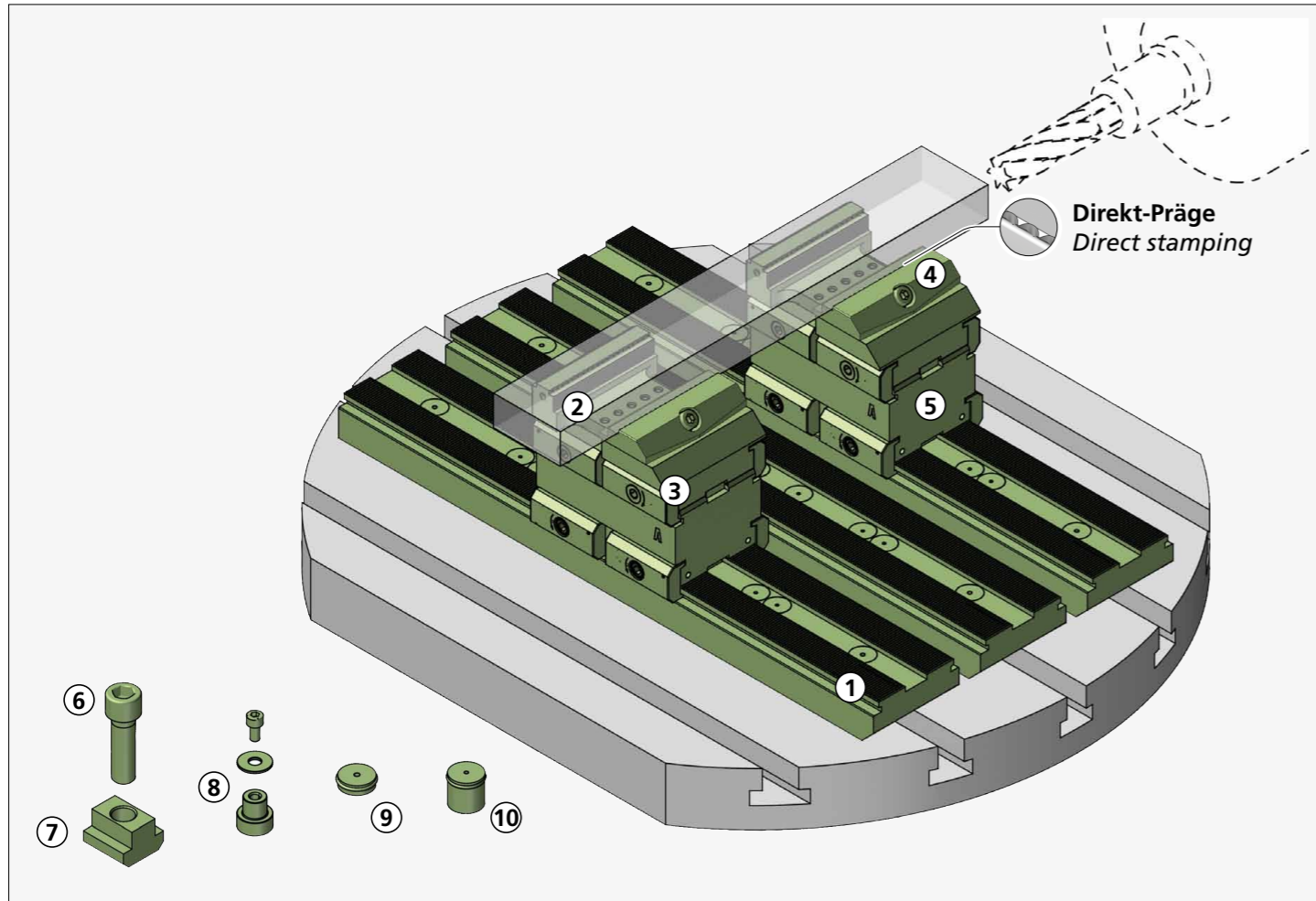


① Artikel Nr. und Inhalt Article Nr. and content	Bezeichnung Description	~Kg	Spannbereich Clamping area
MZI600-SET2	Maschinen-Set / Machine-Set	17,0	
① 1x ZSX200L50PRG120	Zentrischspanner / Self centering vises	7,8	14 - 186
② 1x TF200099	Universal Flansch / Universal flange	7,5	
③ 4x TWPAS1227	Passschraube / Fitting screw	-	
④ 4x OPMB12M12	Nullpunkt Zentrierbolzen / Zero point pull studs	-	
⑤ 4x M12 x 35 ISO4762	Zylinderschrauben / Cylinder screws	-	
⑥ 4x SM1135M12X18	T-Nuten Steine / T-nuts	-	
⑦ 1x M8 x 22 DIN7991	Senkschraube / Countersunk screws	-	
⑧ 1x TH161104	Zentrierbolzen / Centering bolt	-	
⑨ 1x TWADAPT18	Ausrichtzapfen für T-Nuten / Alignment-pins for t-slots	-	

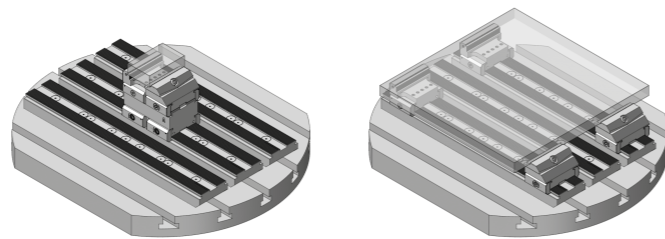


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Standardtisch / Standard table



Mögliche Spannvarianten / Possible clamping variants



Artikel Nr. und Inhalt Article Nr. and content	Bezeichnung Description	~Kg	Spannbereich Clamping area
MZI600-SET3	Maschinen-Set / Machine-Set	64	
① 3x PCB4050500	Basisschiene / Base-rail	29,7	
② 2x PAND94-49PRG-A1	Anschlagmodul / End-module	4,8	
③ 2x PS5X94L49-105	Spannmodul / Clamping module	4,5	~ 55 - 435
④ 2x B120P	Prägebacke / Stamping jaw	1,2	
⑤ 2x PCUB60-130	5-Achsen-Erhöhung / 5-axis raised	17,4	
⑥ 8x M12 x 35 ISO4762	Zylinderschrauben / Cylinder screws	-	
⑦ 8x SM1135M12X18	T-Nuten Steine / T-nuts	-	
⑧ 6x TWADAPT18	Ausrichtzapfen für T-Nuten / Alignment-pins for t-slots	-	
⑨ 14x PCPF16L6	Schutzkappe / Shut plug	-	
⑩ 13x PCPF16L18	Schutzkappe / Shut plug	-	

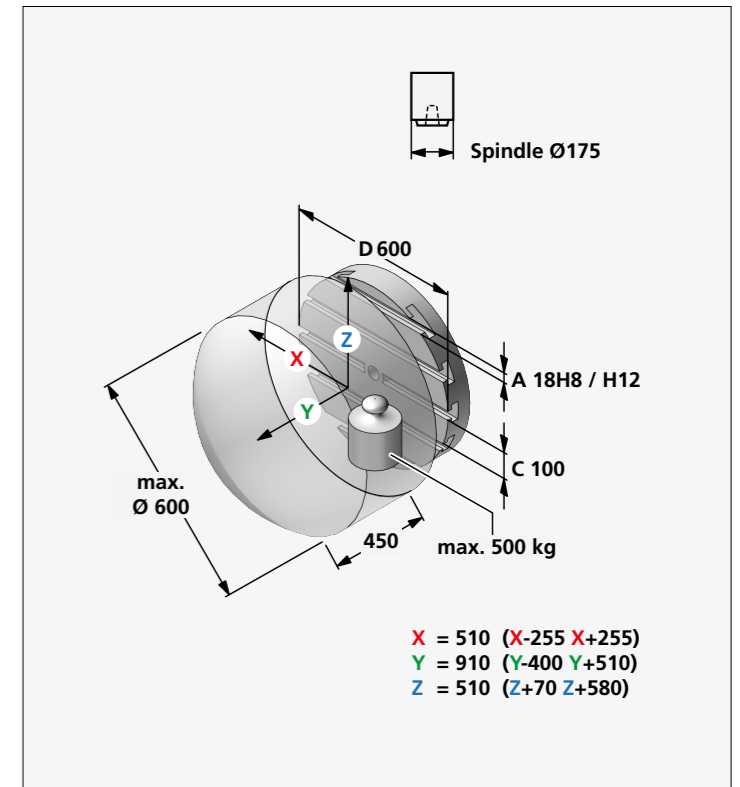
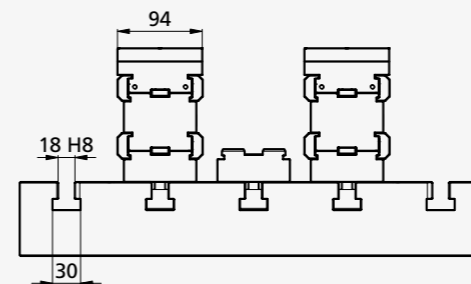
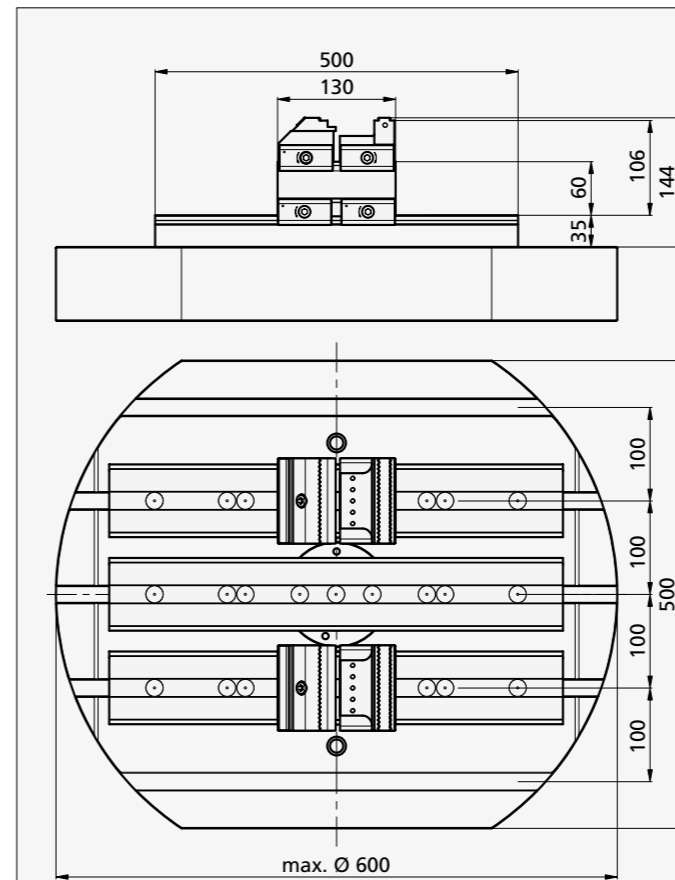
powerCLAMP

- ✓ Hohes Mass an Flexibilität
- ✓ Einzigartiges Prätzensystem
- ✓ Präzise zuverlässige Schnittstelle
- ✓ Leichtgewichtig
- ✓ Einfache Handhabung
- ✓ Keine spänefüllenden T-Nuten

- ✓ High degree of flexibility
- ✓ Precise and reliable interface
- ✓ Unique side clamp system
- ✓ Lightweight
- ✓ Easy handling
- ✓ No chip catching t-slots



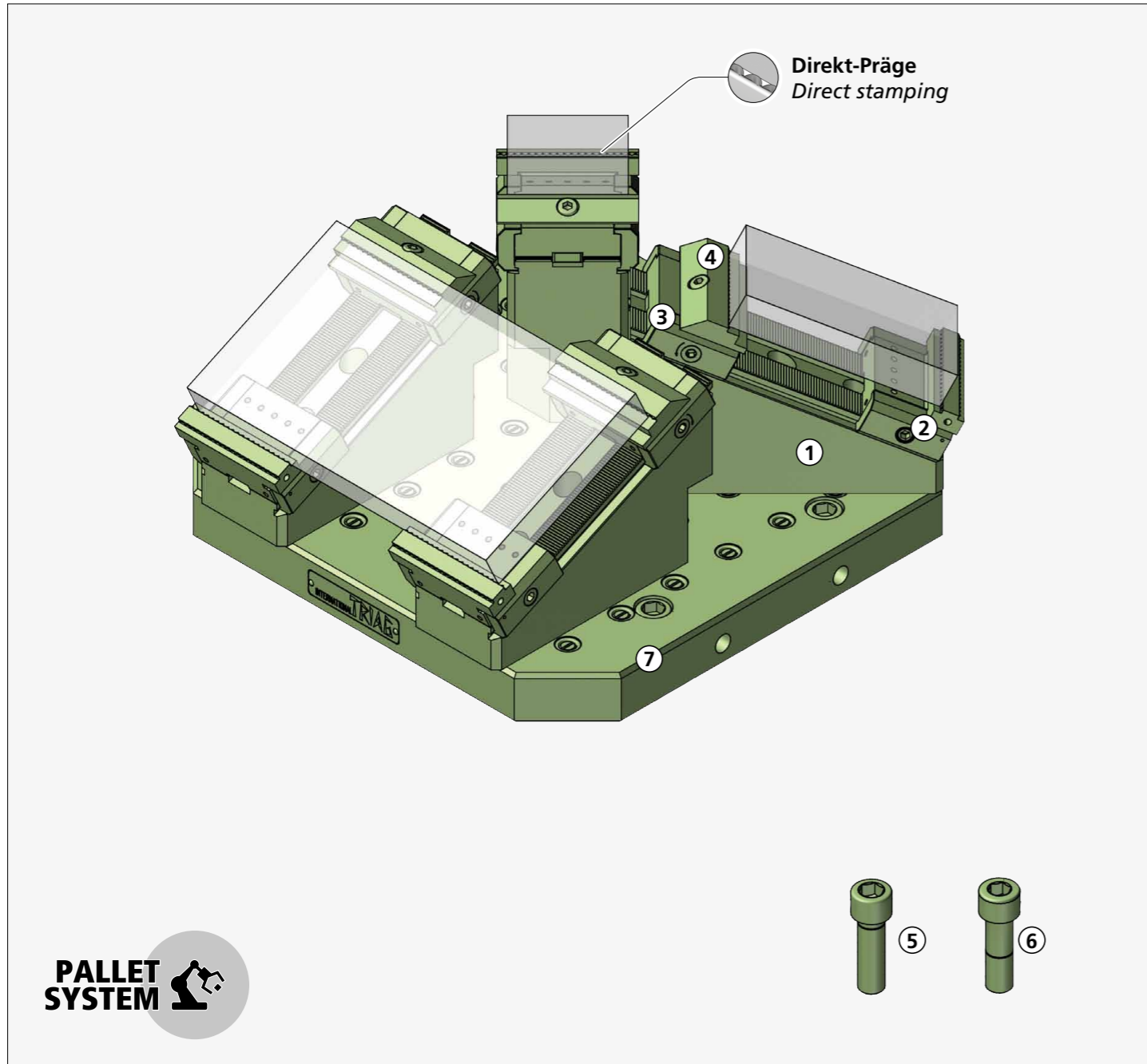
Schraube Screw	Drehmoment Torque		Spannkraft Workholding force		
	Nm	(lb-ft)	~daN	~(lb)	~t
M8	10	7,4	= 400	880	0,4
	20	14,8	= 800	1'760	0,8
	30	22,2	= 1'200	2'650	1,2
	40	29,6	= 1'600	3'530	1,6



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Standardtisch / Standard table





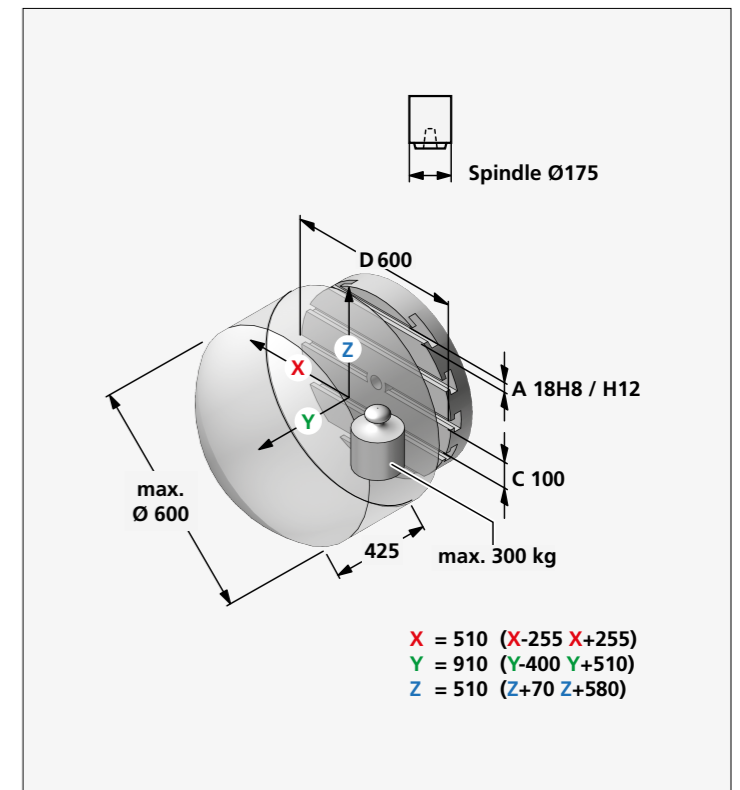
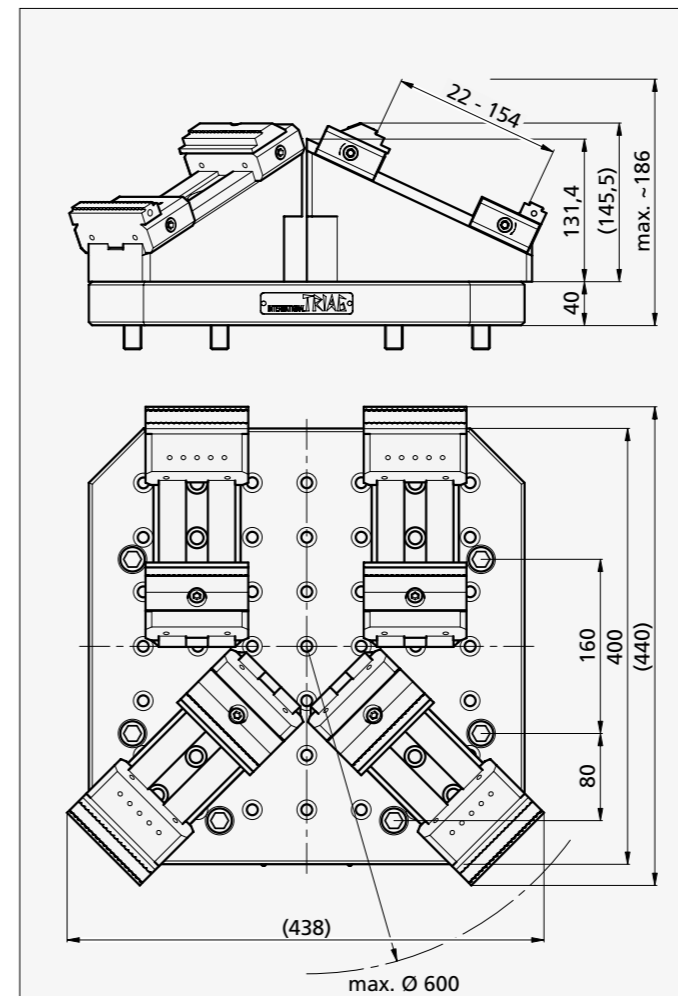
powerCLAMP

- ✓ Hohes Mass an Flexibilität
- ✓ Einzigartiges Patzensystem
- ✓ Präzise zuverlässige Schnittstelle
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- ✓ Keine spänefüllenden T-Nuten

- ✓ High degree of flexibility
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Schraube Screw	Drehmoment Torque		Spannkraft Workholding force		
	Nm	(lb-ft)	~daN	~(lb)	~t
M8	10	7,4	= 400	880	0,4
	20	14,8	= 800	1'760	0,8
	30	22,2	= 1'200	2'650	1,2
	40	29,6	= 1'600	3'530	1,6

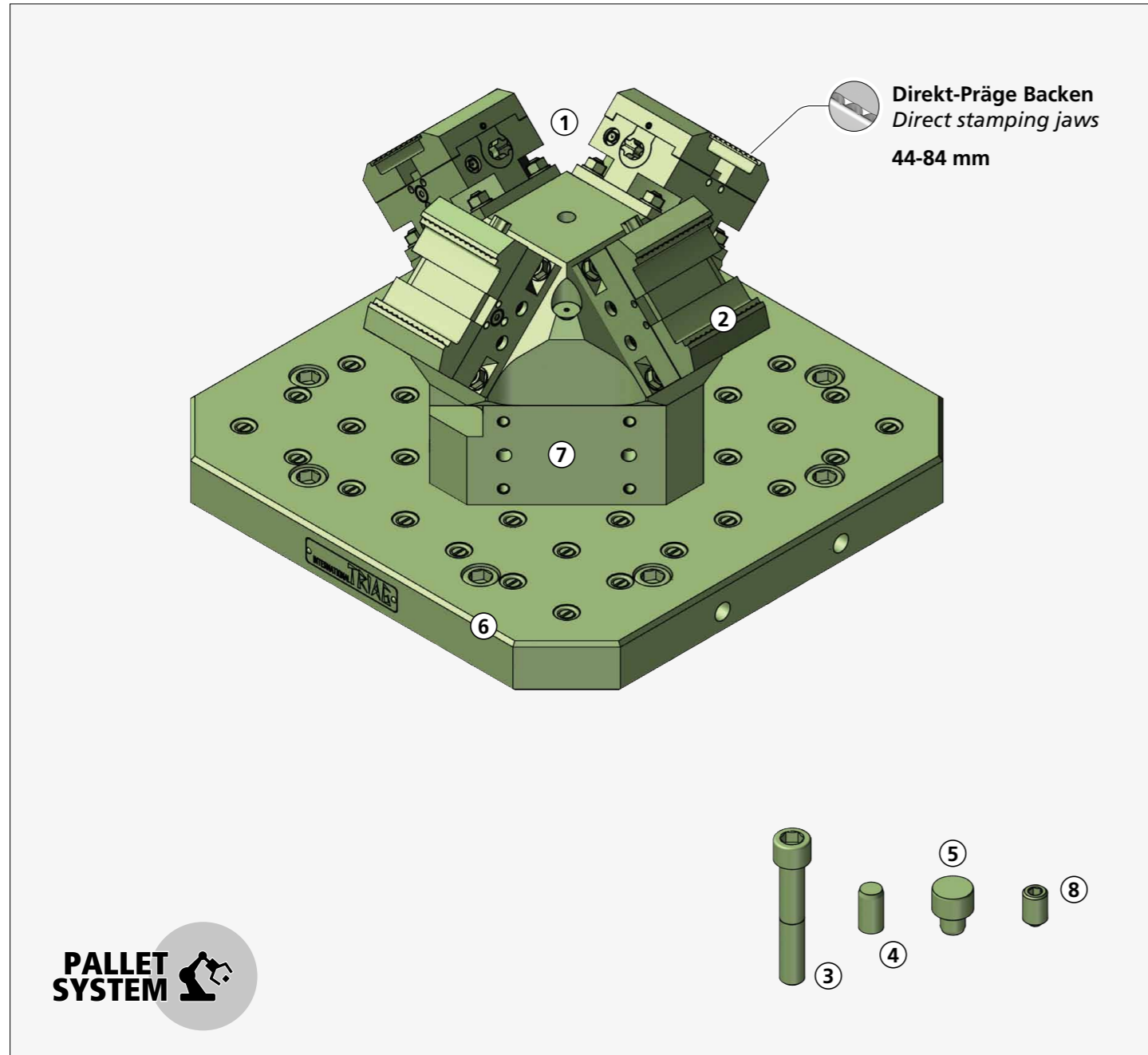


Artikel Nr. und Inhalt Article Nr. and content	Bezeichnung Description	~Kg	Spannbereich Clamping area	Raster Grid
MZI600-SET4	Maschinen-Set / Machine-Set	96	22 - 154	
① 4x PCB50207W25	Basisschiene / Base-rail	37		
② 4x PAND94-34PRF-A1	Anschlagmodul / End-module	4,8		
③ 4x PS5X48L34-105	Spannmodul / Clamping module	3,6		
④ 4x B120P	Prägebacke / Stamping jaw	1,6		
⑤ 8x TWPAS1240	Passschraube / Fitting screw	-		
⑥ 4x M12 x 40 ISO4762	Zylinderschraube / Cap screw	-		
⑦ 1x MZI40040-R1	Rasterplatte / Gridplate	47		49 x M12/12F7

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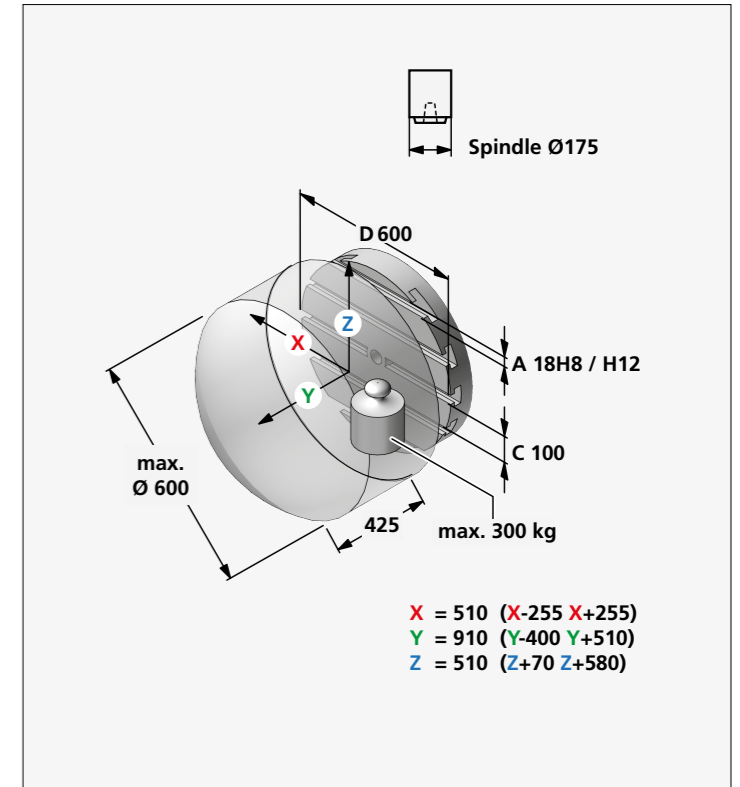
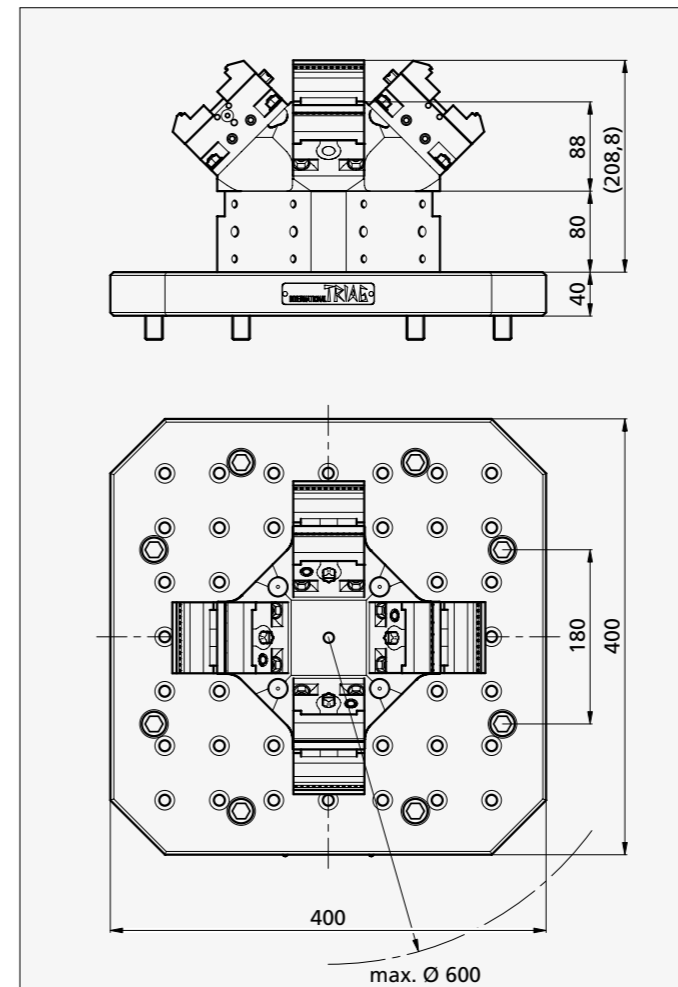


triCENTRO

- ✓ Modulare Mehrfachspannung
- ✓ Backen-Schnellwechselsystem
- ✓ 3 mm Direkt-Prägebacken
- ✓ Beste Zugänglichkeit
- ✓ Modular erweiterbar

- ✓ Modular multiple workholding
- ✓ Jaw quick-change system
- ✓ 3 mm direct-stamping jaws
- ✓ Best accessibility
- ✓ Modular expandable

Drehmoment Torque		Spannkraft Workholding force		
Nm	(lb-ft)	~daN	~(lb)	~t
10	7,4	= 200	440	0,2
20	14,8	= 500	1'102	0,5
30	22,2	= 1'000	2'204	1,0
40	29,6	= 1'300	2'866	1,3
50	37,0	= 1'600	3'527	1,6



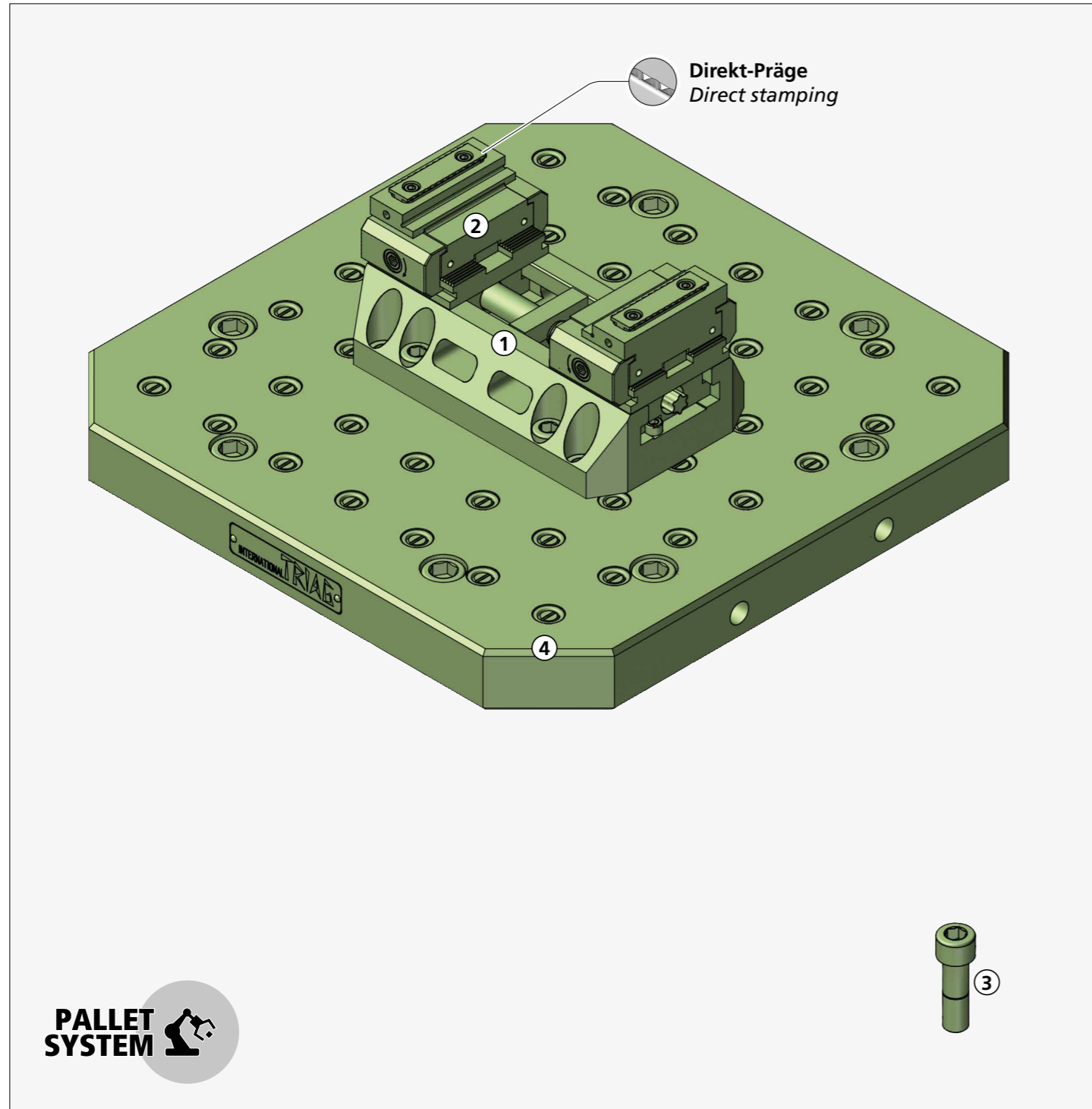
①	Artikel Nr. und Inhalt Article Nr. and content	Bezeichnung Description	~Kg	Bemerkungen Remarks
	MZI600-SET5	Maschinen-Set / Machine-Set	92,5	
①	1x 5AXMCZ100-45-4	Zentrischspannblock / Self centering vise block	26	
②	8x B175-64 ...	Prägebacke / Stamping jaw	2,24	Backen dürfen ausgetauscht werden - Spannungsbereich 0-120/ Jaws may be replaced - clamping area 0 - 120
③	4x M12 x 70 ISO4762	Zylinderschraube / Cap screw	-	
④	1x 12h6 x 24	Zylinderstift / Cylinder pin	-	
⑤	1x TWADAPT20	Ausrichtzapfen / Aligning pin	-	
⑥	1x MZI40040-R1	Rasterplatte / Gridplate	47,10	49 x M12/12F7
⑦	1x TS160111	Zentrischspannblock / Self centering vise block	15,0	
⑧	4x TF180547	Gewindestift / Grub screw		

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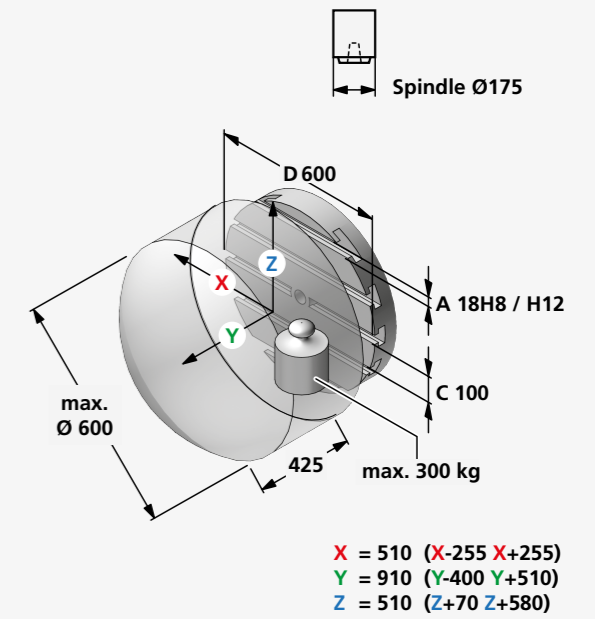
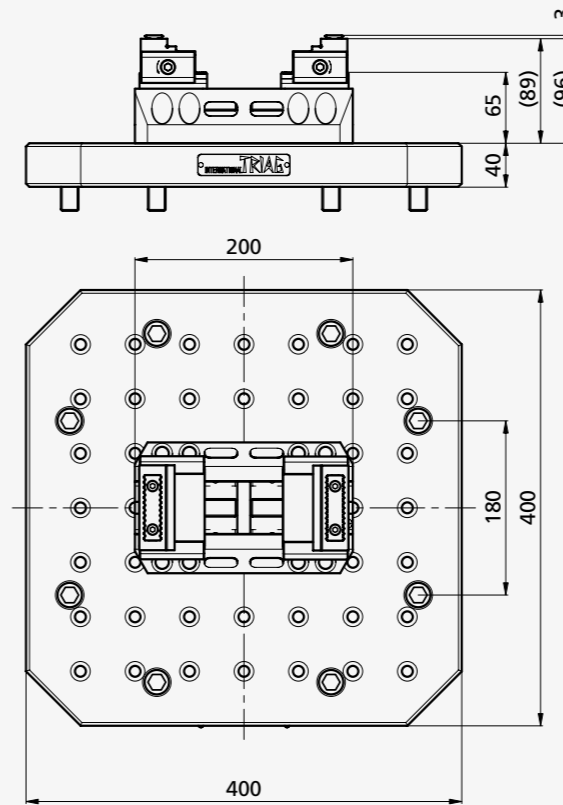
MPP & PALLETECH



- ✓ Modulare Mehrfachspannung
 - ✓ Backen-Schnellwechselsystem
 - ✓ 3 mm Direkt-Prägebacken
 - ✓ Beste Zugänglichkeit
 - ✓ Modular erweiterbar
-
- ✓ Modular multiple workholding
 - ✓ Jaw quick-change system
 - ✓ 3 mm direct-stamping jaws
 - ✓ Best accessibility
 - ✓ Modular expandable



Steckschlüsseinsatz Socket wrench insert	Drehmoment Torque		Spannkraft Workholding force		
	Nm	(lb-ft)	~daN	~(lb)	~t
NUS53/8" TX30E14	10	7,4	= 200	440	0,2
	20	14,8	= 500	1'102	0,5
	30	22,2	= 1'000	2'204	1,0
	40	29,6	= 1'300	2'866	1,3
	50	37,0	= 1'600	3'527	1,6

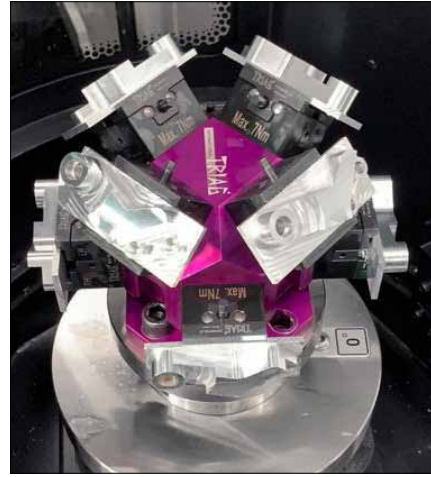
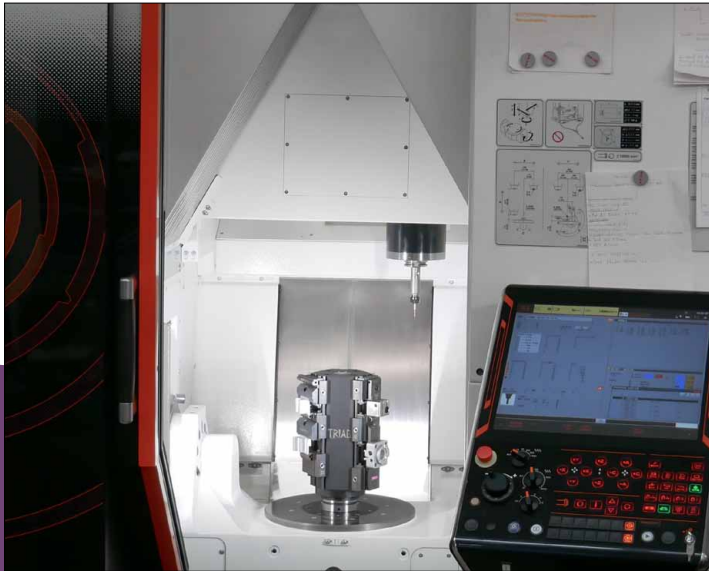


①	Artikel Nr. und Inhalt Article Nr. and content	Bezeichnung Description	~Kg	Spannbereich Clamping area	Raster Grid	50 mm
	MZI600-SET6	Maschinen-Set / Machine-Set	57,5			
①	1x ZSM200L50	Zentrischspanner / Self centering vises	7,4	10 - 175		
②	2x PAND78-34X50UPRG	Anschlagmodul / End-module	2,0			
③	4x TWPAS1240	Passschraube / Fitting screw	-			
④	1x MZI40040-R1	Rasterplatte / Gridplate	47,10		49 x M12/12F7	



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MPP & PALLETECH



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