

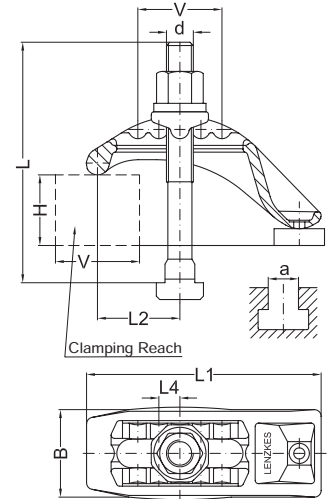
## Clamping Frames S33 – S45 (complete)

Clamping Force: **Up to 60 kN**

### Application Examples: Injection moulding, metal forming and metal cutting

- adjustable both vertically and horizontally due to the unique grooved frame design
- greater clamping force than S30 or S40
- S45: No protruding bolts

- **Material: Hardened alloy steel, for higher clamping force**
- **Clamping Frames: Drop forged**



		for T-Slots		for Tapped Holes		for T-Slots (no protruding bolts)							
H	d	a	Part No.		Part No.		Part No.	V	B	L1	L2	L4	kN
10-70	M18	20	033-070-1820		033-070-18		045-070-1820	50	60	152	28-78	13	35
	M20	20	033-070-2020		-		-						45
	M20	22	033-070-2022		033-070-20		045-070-2022						
	M20	24	033-070-2024		-		045-070-2024						
	M20	28	033-070-2028		-		045-070-2028						
10-80	M16	18	033-080-1618		033-080-16		-	60	68	170	30-90	15	35
	M18	20	033-080-1820		-		-						50
	M20	20	033-080-2020		-		-						
	M20	22	033-080-2022		033-080-20		045-080-2022						
	M20	24	-		-		045-080-2024						
	M20	28	-		-		045-080-2028						
	M22	24	033-080-2224		033-080-22		-						55
	M24	24	033-080-2424		-		-						
	M24	28	033-080-2428		033-080-24		045-080-2428						
30-110	M18	20	033-110-1820		033-110-18		045-110-1820	75	60	194	30-110	15	50
	M20	20	033-110-2020		-		-						
	M20	22	033-110-2022		033-110-20		045-110-2022						
	M20	24	033-110-2024		-		045-110-2024						
30-110	M22	24	033-110-2224		033-110-22		045-110-2224	75	68	200	30-110	15	50
	M24	24	033-110-2424		-		-						
	M24	28	033-110-2428		033-110-24		045-110-2428						
	M24	32	033-110-2432		-		045-110-2432						
	M24	36	033-110-2436		-		045-110-2436						
	M30	-	-		033-110-2430		-						60

## Clamping Frames S33 – S45 (Spare Parts)



Clamping Frame		Pressure Piece	Fixing Set for T-Slot		Fixing Set for Tapped Holes		Fixing Set for 045		Pressure Plate Assembly	Wrench			
Part No.		Part No.	Part No.	L	Part No.	L	Part No.	L	Part No.	Part No.			
033-070-21	039-4020		930-070-1820	160	930-070-18	160	940-070-1820	95	991-040	620-27			
			930-070-2020	160	-	-	-	-		620-30			
			930-070-2022	160	930-070-20	160	940-070-2022	95					
			930-070-2024	170	-	-	940-070-2024	105					
			930-070-2028	180	-	-	940-070-2028	105					
033-080-25	039-4516		930-080-1618	160	930-080-16	160	-	-	991-070	620-24			
			930-080-1820	160	-	-	-	-		620-27			
	039-4520		930-080-2020	160	-	-	-	-		620-30			
			930-080-2022	180	930-080-20	180	940-080-2022	112					
			-	-	-	-	940-080-2024	120					
			-	-	-	-	940-080-2028	120					
			039-4524		930-080-2224	200	930-080-22	190		-	-	620-32	
					930-080-2424	200	-	-		-	-	620-36	
			930-080-2428	200	930-080-24	200	940-080-2428	115					
			930-080-2436	224	-	-	-	-					
			033-110-21	039-4020		930-110-1820	200	930-110-18	212	940-110-1820	115	991-060	620-27
						930-110-2020	200	-	-	-	-		620-30
			930-110-2022	212	930-110-20	224	940-110-2022	120					
			930-110-2024	224	-	-	940-110-2024	130					
			033-110-25	039-4524		930-110-2224	224	930-110-22	224	940-110-2224	130	991-070	620-32
						930-110-2424	224	-	-	-	-		620-36
			930-110-2428	224	930-110-24	250	940-110-2428	130					
			930-110-2432	230	-	-	940-110-2432	145					
			930-110-2436	230	-	-	940-110-2436	145					
			-	-	930-110-2430	250	-	-					

# Clamping Frames

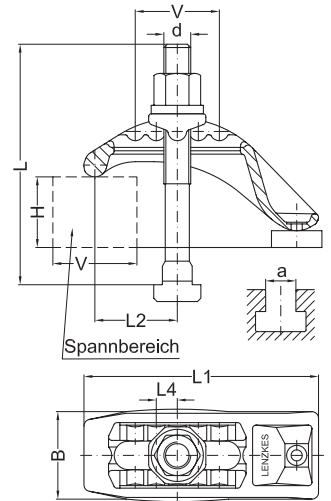
## S33 – S45 (complete)

Clamping Force: **Up to 70 kN**

**Application Examples:**  
Injection moulding, metal forming and metal cutting

- adjustable both vertically and horizontally due to the unique grooved frame design
- greater clamping force than S30 or S40
- S45: No protruding bolts

- **Material: Hardened alloy steel, for higher clamping force**
- **Clamping Frames: Drop forged**



			for T-Slots	for Tapped Holes	for T-Slots (no protruding bolts)						
H	d	a	Part No.	Part No.	Part No.	V	B	L1	L2	L4	kN
40–120	M20	20	033-120-2020	–	–	64	85	215	45–109	16	50
	M20	22	033-120-2022	033-120-20	–						60
	M24	24	033-120-2424	–	–						70
	M24	28	033-120-2428	033-120-24	–						
	M30	36	033-120-3036	033-120-30	–						
	M30	42	033-120-3042	–	–						
60–160	M20	20	033-160-2020	–	–	80	85	250	45–125	16	50
	M20	22	033-160-2022	033-160-20	045-160-2022						60
	M24	24	033-160-2424	–	–						70
	M24	28	033-160-2428	033-160-24	045-160-2428						
	M30	36	033-160-3036	033-160-30	–						
	M30	42	033-160-3042	–	–						
90–180	M16	18	033-180-1618	033-180-16	045-180-1618	90	70	240	35–125	15	35
	M18	20	033-180-1820	033-180-18	045-180-1820						50
	M20	20	033-180-2020	–	–						
	M20	22	033-180-2022	033-180-20	045-180-2022						
	M20	24	–	–	045-180-2024						
	M22	24	033-180-2224	–	045-180-2224						
	M24	24	033-180-2424	–	–						60
	M24	28	033-180-2428	033-180-24	045-180-2428						
	M24	36	033-180-2436	–	045-180-2436						
	M30	–	–	033-180-24-30	–						
130–260	M16	18	033-260-1618	–	045-260-1618	90	70	280	40–130	15	35
	M18	20	033-260-1820	–	–						50
	M20	22	033-260-2022	033-260-20	045-260-2022						
	M20	24	–	–	045-260-2024						
	M22	24	033-260-2224	–	–						
	M24	28	033-260-2428	033-260-24	045-260-2428						60
	M24	36	033-260-2436	–	–						
	M30	–	–	033-260-24-30	–						