

JACKS & TOOLS



SEDRA MARINE

FRANCE

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JACKS AND TOOLS

Universal cylinder, spring return



- Maximum pressure 700 bar
- Single acting, spring return
- Plunger is hard-chromium plated with two bronze bearings
- Hydraulic quick-release coupler and saddle included
- Housing and plunger are chromium-molybdenum steel and heat-treated
- Metric mounting threads
- Larger cylinders have carrying handles

| Cylinder size t | Model | Capacity kN | Stroke mm | Effective plunger area cm ² | Max. oil-capacity cm ³ | Closed height mm | Outside Ø mm | Weight kg |
|-----------------|------------|-------------|-----------|--|-----------------------------------|------------------|--------------|-----------|
| 5 | YS-5/15 | 50 | 15 | 7,2 | 11 | 45 | 41 | 0,9 |
| | YS-5/25 | 50 | 25 | 7,2 | 18 | 97 | 42 | 1,0 |
| | YS-5/75 | 50 | 75 | 7,2 | 53 | 157 | 42 | 1,5 |
| | YS-5/127 | 50 | 127 | 7,2 | 90 | 214 | 42 | 2,0 |
| | YS-5/180 | 50 | 180 | 7,2 | 127 | 267 | 42 | 2,4 |
| 10 | YS-10/25 | 100 | 25 | 14,3 | 37 | 90 | 57 | 1,6 |
| | YS-10/50 | 100 | 50 | 14,3 | 73 | 125 | 57 | 2,1 |
| | YS-10/100 | 100 | 100 | 14,3 | 146 | 178 | 57 | 2,8 |
| | YS-10/150 | 100 | 150 | 14,3 | 218 | 250 | 57 | 4,1 |
| | YS-10/200 | 100 | 200 | 14,3 | 291 | 300 | 57 | 4,7 |
| | YS-10/250 | 100 | 250 | 14,3 | 363 | 352 | 57 | 5,5 |
| 15 | YS-15/25 | 150 | 25 | 21,5 | 53 | 110 | 67 | 2,7 |
| | YS-15/50 | 150 | 50 | 21,5 | 106 | 140 | 67 | 3,3 |
| | YS-15/100 | 150 | 100 | 21,5 | 213 | 190 | 67 | 4,3 |
| | YS-15/150 | 150 | 150 | 21,5 | 319 | 260 | 67 | 5,8 |
| | YS-15/200 | 150 | 200 | 21,5 | 425 | 310 | 67 | 7,0 |
| | YS-15/250 | 150 | 250 | 21,5 | 531 | 365 | 67 | 8,0 |
| | YS-15/300 | 150 | 300 | 21,5 | 637 | 420 | 67 | 9,0 |
| YS-15/350 | 150 | 350 | 21,5 | 744 | 472 | 67 | 10,0 | |
| 23 | YS-23/25 | 230 | 25 | 32,9 | 83 | 116 | 85 | 5,0 |
| | YS-23/50 | 230 | 50 | 32,9 | 166 | 150 | 85 | 6,0 |
| | YS-23/100 | 230 | 100 | 32,9 | 332 | 202 | 85 | 7,5 |
| | YS-23/160 | 230 | 160 | 32,9 | 531 | 277 | 85 | 10,0 |
| | YS-23/210 | 230 | 210 | 32,9 | 697 | 330 | 85 | 12,0 |
| | YS-23/250 | 230 | 250 | 32,9 | 830 | 376 | 85 | 13,5 |
| | YS-23/300 | 230 | 300 | 32,9 | 996 | 428 | 85 | 15,0 |
| | YS-23/345 | 230 | 345 | 32,9 | 1145 | 477 | 85 | 16,5 |
| 30 | YS-30/125 | 300 | 125 | 42,9 | 552 | 245 | 102 | 13,0 |
| | YS-30/200 | 300 | 200 | 42,9 | 884 | 325 | 102 | 17,0 |
| 50 | YS-50/50 | 500 | 50 | 71,5 | 355 | 170 | 125 | 15,0 |
| | YS-50/100 | 500 | 100 | 71,5 | 709 | 220 | 125 | 19,0 |
| | YS-50/160 | 500 | 160 | 71,5 | 1135 | 285 | 125 | 24,0 |
| | YS-50/320 | 500 | 320 | 71,5 | 2269 | 460 | 125 | 37,0 |
| 70 | YS-70/150 | 700 | 150 | 100,0 | 1478 | 285 | 146 | 32,0 |
| | YS-70/330 | 700 | 330 | 100,0 | 3252 | 490 | 146 | 52,0 |
| 100 | YS-100/100 | 1000 | 100 | 143,0 | 1432 | 275 | 180 | 43,0 |
| | YS-100/200 | 1000 | 200 | 143,0 | 2863 | 375 | 180 | 64,0 |

JACKS AND TOOLS

Low profile and flat cylinders



- Maximum pressure 700 bar
- Single acting with spring return
- Very low closed height
- Plunger is hard-chromium plated with two bronze bearings
- Hydraulic quick-release coupler included
- Housing and plunger are chromium-molybdenum steel and heat-treated

Low profile cylinders, spring return

| Cylinder size t | Model | Capacity kN | Stroke mm | Effective plunger area cm ² | Max. oil-capacity cm ³ | Closed height mm | Outside Ø mm | Weight kg |
|-----------------|------------|-------------|-----------|--|-----------------------------------|------------------|--------------|-----------|
| 10 | YLS-10/35 | 100 | 35 | 14,3 | 51 | 86 | 70 | 2,5 |
| 20 | YLS-20/45 | 200 | 45 | 28,6 | 128 | 100 | 85 | 4,0 |
| 30 | YLS 30/60 | 300 | 60 | 42,9 | 266 | 120 | 100 | 6,5 |
| 50 | YLS-50/60 | 500 | 60 | 71,5 | 426 | 122 | 125 | 10,4 |
| 100 | YLS-100/55 | 1000 | 55 | 143,0 | 788 | 141 | 170 | 24,0 |

Flat cylinders, spring return

| Cylinder size t | Model | Capacity kN | Stroke mm | Effective plunger area cm ² | Max. oil-capacity cm ³ | Closed height mm | Outside Ø mm | Weight kg |
|-----------------|------------|-------------|-----------|--|-----------------------------------|------------------|--------------|-----------|
| 10 | YLS-10/11 | 100 | 11 | 14,3 | 16 | 43 | 56 | 1,5 |
| 20 | YLS-20/15 | 200 | 15 | 28,6 | 31 | 60 | 76 | 3,0 |
| 30 | YLS 30/15 | 300 | 15 | 44,2 | 66 | 60 | 96 | 4,2 |
| 50 | YLS-50/15 | 500 | 15 | 71,5 | 107 | 70 | 145 | 8,7 |
| 100 | YLS-100/15 | 1000 | 15 | 143,0 | 215 | 91 | 170 | 16,0 |

JACKS AND TOOLS

Hollow cylinders



- Maximum pressure 700 bar
- Single acting, spring return or double acting, hydraulic return
- Hydraulic quick-release coupler(s) and saddle included
- Plunger is hard-chromium plated with two bronze bearings
- Hollow plunger with large center hole
- Housing and plunger are chromium-molybdenum steel and heat-treated
- Larger cylinders have carrying handle
- Metric mounting threads

Single acting, spring return

| Cylinder size t | Model | Capacity kN | | Stroke mm | Effective plunger area cm ² | Max. oil-capacity cm ³ | Closed height mm | Center hole Ø mm | Outside Ø mm | Weight kg |
|-----------------|------------|-------------|------|-----------|--|-----------------------------------|------------------|------------------|--------------|-----------|
| | | push | pull | | | | | | | |
| 12 | YCS-12/40 | 120 | - | 40 | 17,2 | 71 | 142 | 20 | 70 | 3,5 |
| | YCS-12/75 | 120 | - | 75 | 17,2 | 132 | 195 | 20 | 70 | 4,5 |
| 21 | YCS-20/50 | 214 | - | 50 | 30,5 | 153 | 173 | 27 | 100 | 8,5 |
| | YCS-20/150 | 214 | - | 150 | 30,5 | 458 | 335 | 27 | 100 | 15,0 |
| 33 | YCS-30/60 | 335 | - | 60 | 47,9 | 287 | 193 | 33 | 114 | 12,0 |
| | YCS-30/150 | 335 | - | 150 | 47,9 | 716 | 343 | 33 | 114 | 21,0 |
| 57 | YCS-50/70 | 567 | - | 70 | 81,0 | 562 | 242 | 42 | 150 | 25,0 |
| 62 | YCS-60/150 | 618 | - | 150 | 88,3 | 1330 | 335 | 55 | 163 | 38,0 |
| 93 | YCS-90/75 | 930 | - | 75 | 133,0 | 990 | 280 | 80 | 214 | 55,0 |

Double acting, hydraulic return

| Cylinder size t | Model | Capacity kN | | Stroke mm | Effective plunger area cm ² | Max. oil-capacity cm ³ | Closed height mm | Center hole Ø mm | Outside Ø mm | Weight kg |
|-----------------|-------------|-------------|------|-----------|--|-----------------------------------|------------------|------------------|--------------|-----------|
| | | push | pull | | | | | | | |
| 33 | YCH-30/150 | 335 | 180 | 150 | 47,9 | 716 | 310 | 33 | 114 | 19,0 |
| | YCH-30/250 | 335 | 180 | 250 | 47,9 | 1200 | 415 | 33 | 114 | 25,0 |
| 62 | YCH-60/250 | 618 | 300 | 250 | 88,3 | 2220 | 452 | 55 | 163 | 55,0 |
| 93 | YCH-90/250 | 930 | 450 | 250 | 133,0 | 3320 | 465 | 55 | 193 | 82,0 |
| 100 | YCH-100/40 | 1000 | 500 | 40 | 143,0 | 578 | 190 | 55 | 200 | 38,0 |
| 140 | YCH-140/200 | 1400 | 700 | 200 | 200,2 | 4080 | 383 | 80 | 253 | 115,0 |

JACKS AND TOOLS

Double acting hydraulic cylinder 5-200 t



- Maximum pressure 700 bar
- Double acting with hydraulic return
- Hydraulic quick-release couplers and saddle included
- Plunger is hard-chromium plated with two bronze bearings
- Housing and plunger are chromium-molybdenum steel and heat-treated
- Larger cylinders have carrying handle
- Metric mounting threads

| Cylinder size t | Model | Capacity kN | | Stroke mm | Effective plunger area cm ² | | Max. oil- capacity cm ³ | Closed height mm | Outside Ø mm | Weight kg |
|--------------------|------------|----------------|------|--------------|---|-------|--|------------------------|--------------------|--------------|
| | | push | pull | | push | pull | | | | |
| 5 | YH-5/30 | 50 | 22 | 30 | 7,2 | 3,1 | 21 | 160 | 55 | 2,5 |
| | YH-5/80 | 50 | 22 | 80 | 7,2 | 3,1 | 57 | 210 | 55 | 3,3 |
| | YH-5/150 | 50 | 22 | 150 | 7,2 | 3,1 | 106 | 280 | 55 | 4,4 |
| 10 | YH-10/30 | 100 | 45 | 30 | 14,3 | 6,4 | 44 | 175 | 67 | 4,0 |
| | YH-10/80 | 100 | 45 | 80 | 14,3 | 6,4 | 116 | 225 | 67 | 5,0 |
| | YH-10/150 | 100 | 45 | 150 | 14,3 | 6,4 | 218 | 295 | 67 | 6,7 |
| | YH-10/250 | 100 | 45 | 250 | 14,3 | 6,4 | 363 | 395 | 67 | 9,0 |
| 20 | YH-20/50 | 200 | 100 | 50 | 28,6 | 14,3 | 142 | 195 | 85 | 7,0 |
| | YH-20/150 | 200 | 100 | 150 | 28,6 | 14,3 | 424 | 310 | 85 | 11,0 |
| | YH-20/250 | 200 | 100 | 250 | 28,6 | 14,3 | 707 | 410 | 85 | 14,0 |
| 30 | YH-30/200 | 300 | 140 | 200 | 42,9 | 20,0 | 884 | 355 | 102 | 19,0 |
| | YH-30/350 | 300 | 140 | 350 | 42,9 | 20,0 | 1547 | 510 | 102 | 27,0 |
| 50 | YH-50/150 | 500 | 220 | 150 | 71,5 | 31,5 | 1064 | 325 | 125 | 27,0 |
| | YH-50/350 | 500 | 220 | 350 | 71,5 | 31,5 | 2481 | 525 | 125 | 42,0 |
| | YH-50/500 | 500 | 220 | 500 | 71,5 | 31,5 | 3544 | 685 | 125 | 52,0 |
| 70 | YH-70/150 | 700 | 330 | 150 | 100,0 | 47,2 | 1478 | 335 | 146 | 37,0 |
| | YH-70/350 | 700 | 330 | 350 | 100,0 | 47,2 | 3449 | 540 | 146 | 56,0 |
| 100 | YH-100/50 | 1000 | 450 | 50 | 143,0 | 64,4 | 716 | 265 | 180 | 49,0 |
| | YH-100/150 | 1000 | 450 | 150 | 143,0 | 64,4 | 2148 | 365 | 180 | 64,0 |
| | YH-100/350 | 1000 | 450 | 350 | 143,0 | 64,4 | 5010 | 565 | 180 | 94,0 |
| | YH-100/500 | 1000 | 450 | 500 | 143,0 | 64,4 | 7157 | 725 | 180 | 118,0 |
| 200 | YH-200/150 | 2000 | 900 | 150 | 286,0 | 128,7 | 4253 | 410 | 250 | 137,0 |
| | YH-200/350 | 2000 | 900 | 350 | 286,0 | 128,7 | 9924 | 620 | 250 | 198,0 |
| | YH-200/500 | 2000 | 900 | 500 | 286,0 | 128,7 | 14177 | 780 | 250 | 244,0 |

Hydraulic spreader



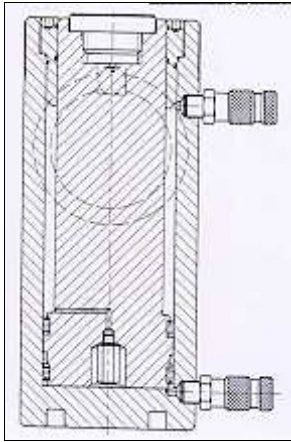
This spreader can be used with all hand pumps.

- Single acting
- Works in all positions
- Spring return
- Including quick-release coupler and dust cap
- Spreader arms from hing tensile forged steel

| Model | Max. capacity | | Max. pressure bar | Max. oilcapacity cm ³ | Spreading width | | Weight kg |
|--------|---------------|-----|----------------------|-------------------------------------|-----------------|---------|--------------|
| | kN | t | | | min. mm | max. mm | |
| YHS-10 | 9 | 0,9 | 700 | 10 | 14 | 100 | 2,1 |
| YHS-15 | 15 | 1,5 | 700 | 70 | 35 | 220 | 6,9 |

JACKS AND TOOLS

Double acting hydraulic cylinder 250-700 t



- Maximum pressure 700 bar
- Double acting with hydraulic return
- Solid plunger with bronze bearing
- Hard-chromium plated plunger
- Stop ring to carry full load
- Flat saddle, lifting eyes and quick-release couplers included

| Cylinder size t | Model | Capacity kN | Stroke mm | Closed height mm | Outside Ø mm | Effective plunger area cm ² | Max. oil-capacity cm ³ | Weight kg |
|-----------------|-------------|-------------|-----------|------------------|--------------|--|-----------------------------------|-----------|
| 250 | YLR-250/50 | 2450 | 50 | 240 | 275 | 346 | 1750 | 108 |
| 250 | YLR-250/100 | 2450 | 100 | 290 | 275 | 346 | 3450 | 127 |
| 250 | YLR-250/150 | 2450 | 150 | 340 | 275 | 346 | 5200 | 147 |
| 250 | YLR-250/200 | 2450 | 200 | 390 | 275 | 346 | 6930 | 166 |
| 250 | YLR-250/300 | 2450 | 300 | 490 | 275 | 346 | 10400 | 204 |
| 300 | YLR-300/50 | 2940 | 50 | 259 | 305 | 415 | 2100 | 145 |
| 300 | YLR-300/100 | 2940 | 100 | 309 | 305 | 415 | 4150 | 169 |
| 300 | YLR-300/150 | 2940 | 150 | 359 | 305 | 415 | 6250 | 194 |
| 300 | YLR-300/200 | 2940 | 200 | 409 | 305 | 415 | 8310 | 218 |
| 300 | YLR-300/300 | 2940 | 300 | 509 | 305 | 415 | 12500 | 267 |
| 400 | YLR-400/50 | 3920 | 50 | 280 | 350 | 552 | 2750 | 205 |
| 400 | YLR-400/100 | 3920 | 100 | 330 | 350 | 552 | 5500 | 235 |
| 400 | YLR-400/150 | 3920 | 150 | 380 | 350 | 552 | 8300 | 266 |
| 400 | YLR-400/200 | 3920 | 200 | 430 | 350 | 552 | 11030 | 296 |
| 400 | YLR-400/300 | 3920 | 300 | 530 | 350 | 552 | 16600 | 357 |
| 500 | YLR-500/50 | 4900 | 50 | 300 | 400 | 731 | 3700 | 287 |
| 500 | YLR-500/100 | 4900 | 100 | 350 | 400 | 731 | 7300 | 326 |
| 500 | YLR-500/150 | 4900 | 150 | 400 | 400 | 731 | 11000 | 367 |
| 500 | YLR-500/200 | 4900 | 200 | 450 | 400 | 731 | 14600 | 405 |
| 500 | YLR-500/300 | 4900 | 300 | 550 | 400 | 731 | 21900 | 484 |
| 600 | YLR-600/50 | 5880 | 50 | 306 | 435 | 855 | 4300 | 346 |
| 600 | YLR-600/100 | 5880 | 100 | 356 | 435 | 855 | 8600 | 392 |
| 600 | YLR-600/150 | 5880 | 150 | 406 | 435 | 855 | 12900 | 439 |
| 600 | YLR-600/200 | 5880 | 200 | 456 | 435 | 855 | 17100 | 485 |
| 600 | YLR-600/300 | 5880 | 300 | 556 | 435 | 855 | 25700 | 578 |
| 700 | YLR-700/50 | 6860 | 50 | 272 | 472 | 995 | 5000 | 440 |
| 700 | YLR-700/100 | 6860 | 100 | 329 | 472 | 995 | 10000 | 495 |
| 700 | YLR-700/150 | 6860 | 150 | 429 | 472 | 995 | 15000 | 551 |
| 700 | YLR-700/200 | 6860 | 200 | 479 | 472 | 995 | 19900 | 606 |
| 700 | YLR-700/300 | 6860 | 300 | 579 | 472 | 995 | 29900 | 717 |

JACKS AND TOOLS

Hydraulic cylinders with safety locknut 30-700 t

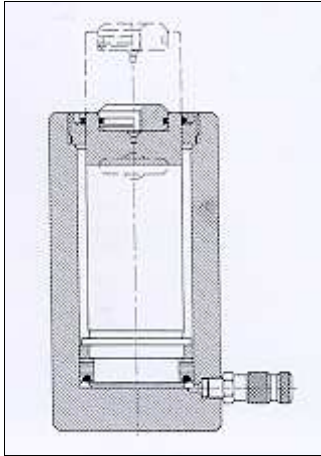


- Max. operating pressure : 700 bar
- Single acting, gravity return
- Bronze bearing of the solid piston
- Optical stroke limitation and piston stop by safety overflow port
- Incl. flat saddle, screwed-in lifting eyes and female coupler half
- Cylinders with strokes up to 300 mm on request

| Cylinder size t | Model | Capacity max kN | Stroke mm | Closed height mm | Outside Ø mm | Effective plunger area cm ² | Max. oil capacity cm ³ | Weight kg |
|-----------------|-------------|-----------------|-----------|------------------|--------------|--|-----------------------------------|-----------|
| 30 | YLL-30/150 | 294 | 150 | 278 | 100 | 42 | 630 | 16 |
| 50 | YLL-50/50 | 497 | 50 | 160 | 127 | 71 | 370 | 17 |
| 50 | YLL-50/100 | 497 | 100 | 233 | 127 | 71 | 750 | 22 |
| 50 | YLL-50/150 | 497 | 150 | 283 | 127 | 71 | 1100 | 26 |
| 100 | YLL-100/50 | 973 | 50 | 195 | 175 | 139 | 700 | 34 |
| 100 | YLL-100/100 | 973 | 100 | 245 | 175 | 139 | 1400 | 42 |
| 100 | YLL-100/150 | 973 | 150 | 295 | 175 | 139 | 2100 | 54 |
| 150 | YLL-150/50 | 1480 | 50 | 182 | 215 | 211 | 1056 | 52 |
| 150 | YLL-150/100 | 1480 | 100 | 248 | 215 | 211 | 2100 | 69 |
| 150 | YLL-150/150 | 1480 | 150 | 313 | 215 | 211 | 3170 | 87 |
| 200 | YLL-200/50 | 1990 | 50 | 193 | 249 | 284 | 1400 | 73 |
| 200 | YLL-200/100 | 1990 | 100 | 259 | 249 | 284 | 2850 | 99 |
| 200 | YLL-200/150 | 1990 | 150 | 324 | 249 | 284 | 4250 | 123 |
| 250 | YLL-250/50 | 2420 | 50 | 202 | 275 | 346 | 1750 | 93 |
| 250 | YLL-250/100 | 2420 | 100 | 268 | 275 | 346 | 3450 | 123 |
| 250 | YLL-250/150 | 2420 | 150 | 333 | 275 | 346 | 5200 | 154 |
| 300 | YLL-300/50 | 2910 | 50 | 213 | 305 | 415 | 2100 | 122 |
| 300 | YLL-300/100 | 2910 | 100 | 279 | 305 | 415 | 4150 | 159 |
| 300 | YLL-300/150 | 2910 | 150 | 344 | 305 | 415 | 6250 | 195 |
| 400 | YLL-400/50 | 3860 | 50 | 237 | 350 | 552 | 2750 | 178 |
| 400 | YLL-400/100 | 3860 | 100 | 303 | 350 | 552 | 5500 | 227 |
| 400 | YLL-400/150 | 3860 | 150 | 368 | 350 | 552 | 8300 | 275 |
| 500 | YLL-500/50 | 5110 | 50 | 255 | 400 | 731 | 3700 | 250 |
| 500 | YLL-500/100 | 5110 | 100 | 321 | 400 | 731 | 7300 | 315 |
| 500 | YLL-500/150 | 5110 | 150 | 386 | 400 | 731 | 11000 | 377 |
| 600 | YLL-600/50 | 5990 | 50 | 265 | 435 | 855 | 4300 | 308 |
| 600 | YLL-600/100 | 5990 | 100 | 331 | 435 | 855 | 8600 | 384 |
| 600 | YLL-600/150 | 5990 | 150 | 396 | 435 | 855 | 12900 | 459 |
| 700 | YLL-700/50 | 6970 | 50 | 284 | 472 | 995 | 5000 | 389 |
| 700 | YLL-700/100 | 6970 | 100 | 350 | 472 | 995 | 10000 | 478 |
| 700 | YLL-700/150 | 6970 | 150 | 415 | 472 | 995 | 15000 | 566 |

JACKS AND TOOLS

High tonnage cylinder, single acting 150-700 t



- Max. operating pressure 700 bar
- Single acting, gravity return
- Bronze bearing of piston
- Stopping for stroke limitation
- Incl. flat saddle, lifting eyes and female coupler half
- Cylinders with strokes up to 300 mm on request

| Cylinder size t | Model | Capacity max kN | Stroke mm | Closed height mm | Outside Ø mm | Effective plunger area cm ² | Max. oil-capacity cm ³ | Weight kg |
|-----------------|------------|-----------------|-----------|------------------|--------------|--|-----------------------------------|-----------|
| 150 | YG-150/50 | 1470 | 50 | 171 | 215 | 211 | 1056 | 46 |
| 150 | YG-150/100 | 1470 | 100 | 221 | 215 | 211 | 2100 | 58 |
| 150 | YG-150/150 | 1470 | 150 | 271 | 215 | 211 | 3170 | 69 |
| 200 | YG-200/50 | 1960 | 50 | 186 | 249 | 283 | 1400 | 68 |
| 200 | YG-200/100 | 1960 | 100 | 236 | 249 | 283 | 2850 | 83 |
| 200 | YG-200/150 | 1960 | 150 | 286 | 249 | 283 | 4250 | 98 |
| 250 | YG-250/50 | 2450 | 50 | 197 | 275 | 346 | 1750 | 88 |
| 250 | YG-250/100 | 2450 | 100 | 247 | 275 | 346 | 3450 | 107 |
| 250 | YG-250/150 | 2450 | 150 | 297 | 275 | 346 | 5200 | 126 |
| 300 | YG-300/50 | 2940 | 50 | 209 | 305 | 415 | 2100 | 116 |
| 300 | YG-300/100 | 2940 | 100 | 259 | 305 | 415 | 4150 | 140 |
| 300 | YG-300/150 | 2940 | 150 | 309 | 305 | 415 | 6250 | 165 |
| 400 | YG-400/50 | 3920 | 50 | 228 | 350 | 552 | 2750 | 165 |
| 400 | YG-400/100 | 3920 | 100 | 278 | 350 | 552 | 5500 | 196 |
| 400 | YG-400/150 | 3920 | 150 | 328 | 350 | 552 | 8300 | 226 |
| 500 | YG-500/50 | 4900 | 50 | 244 | 400 | 731 | 3700 | 231 |
| 500 | YG-500/100 | 4900 | 100 | 294 | 400 | 731 | 7300 | 271 |
| 500 | YG-500/150 | 4900 | 150 | 344 | 400 | 731 | 11000 | 311 |
| 600 | YG-600/50 | 5880 | 50 | 253 | 435 | 855 | 4300 | 284 |
| 600 | YG-600/100 | 5880 | 100 | 303 | 435 | 855 | 8600 | 330 |
| 600 | YG-600/150 | 5880 | 150 | 353 | 435 | 855 | 12900 | 377 |
| 700 | YG-700/50 | 6860 | 50 | 272 | 472 | 995 | 5000 | 361 |
| 700 | YG-700/100 | 6860 | 100 | 322 | 472 | 995 | 10000 | 417 |
| 700 | YG-700/150 | 6860 | 150 | 372 | 472 | 995 | 15000 | 473 |

JACKS AND TOOLS

Foot pump 700 bar



- Two stage displacement
- Absolutely stable
- Minimized labor fatigue
- Operating pressure is optionally adjustable
- Valves are accessible from the outside
- The return stroke of the cylinder is also controlled by foot operation
- Oil port 3/8 - 18 NPT

| Model | Pressure bar | Displacement cm3 | | Oil capacity cm3 | Weight kg |
|-----------|------------------|----------------------|-----------------------|------------------|-----------|
| | | stage 1 up to 30 bar | stage 2 up to 700 bar | | |
| FPS-2/0,5 | 0-700 adjustable | 11 | 2 | 500 | 7,0 |

Hand pumps 700 bar



- Two-stage, quick action
- Large selection of oil reservoir sizes
- Adjustable pressure relief valve
- Precision control return valve
- Hydraulic oil included
- All-steel robust construction
- HPH pumps with 4/3-way control valve

For single acting cylinders, max. 700 bar, HPS series

| Model | Oil capacity cm3 | Displacement cm3 | | Weight kg |
|-----------|------------------|------------------|---------|-----------|
| | | Stage 1 | Stage 2 | |
| HPS-1/0,7 | 700 | - | 2,0 | 7,0 |
| HPS-2/0,3 | 300 | 5 | 1,0 | 3,5 |
| HPS-2/0,7 | 700 | 11 | 2,0 | 7,0 |
| HPS-2/2 | 2000 | 11 | 2,0 | 10,0 |
| HPS-2/4 | 4000 | 11 | 2,0 | 13,0 |
| HPS-2/6,5 | 6500 | 11 | 2,0 | 21,0 |
| HPS-2/10 | 10000 | 11 | 2,0 | 27,0 |

For double acting cylinders, max. 700 bar, HPH series

| Model | Oil capacity cm3 | Displacement cm3 | | Weight kg |
|-----------|------------------|------------------|---------|-----------|
| | | Stage 1 | Stage 2 | |
| HPH-2/0,7 | 700 | 11 | 2,0 | 8,0 |
| HPH-2/2 | 2000 | 11 | 2,0 | 11,0 |
| HPH-2/4 | 4000 | 11 | 2,0 | 11,0 |
| HPH-2/6,5 | 6500 | 11 | 2,0 | 22,0 |
| HPH-2/10 | 10000 | 11 | 2,0 | 28,0 |

JACKS AND TOOLS

Portable electric motor pumps series PY-04



These two stage compact pumps can either operate single acting or double acting hydraulic cylinders.

| | | |
|----------------------------|---|------------------|
| Maximum operating pressure | : | 700 bar |
| Output / flow | : | |
| no load | : | 4 l/min |
| under load | : | 0,23 l/min |
| Usable reservoir volume | : | 6,5 l |
| Connecting valve | : | 37 kW - 220/240 |
| V-1Ph | : | |
| Remote pendant control | : | 24 V low voltage |
| rpm | : | 2800 |

| Model | Manual control valve |
|---------------------|---|
| PY-04 / 2 / 5 / 2 M | 2/2-way automatic valve, for single acting cylinder |
| PY-04 / 2 / 5 / 4 M | 4/3-way, for double acting cylinder |

Electric motor pumps series PY-07, PY-11, PY-22

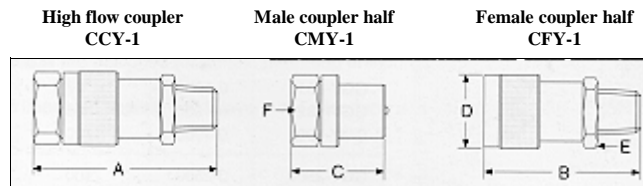


- Heavy duty design, assembled ready to use
- Universal pump unit for all workshops and assembly applications
- Low noise level (motor speed : 1450 rpm)
- Two stage flow, i.e. faster advance without load, automatic switch -over to 2. stage under load
- Carrying handle, oil level gauge, oil filling / air bleeding plug, motor on-off switch, motor cable 3 m
- Other motor voltages and oil reservoirs on request
- Include pressure gauge mod. GGY-631
- With manual or electric solenoid control valve (with remote pendant control)
- With pressure valve for infinite adjustment of requested operating pressure for solenoid valves 0-700 bar
- 24 V control voltage for electric solenoid valve from built-in transformer, with remote pendant control 3 m

| Model | Reservoir | | | | Control valve | | | | Motor output kw | Displacement l/min | |
|---------------------|-----------|-----|-----|-----|---------------|----------|----------|----------|--------------------|-----------------------|---------------|
| | 101 | 201 | 301 | 501 | 3/3 ways | | 4/3 ways | | | up to 50 bar | up to 700 bar |
| | | | | | manual | electric | manual | electric | | | |
| PY-07 / 4 / 10 / 3M | • | | | | • | | | | 0,75 | 6,0 | 0,6 |
| PY-07 / 4 / 10 / 4M | • | | | | | • | | | | | |
| PY-07 / 4 / 20 / 3M | | • | | | • | | | | | | |
| PY-07 / 4 / 20 / 4M | | • | | | | • | | | | | |
| PY-07 / 4 / 20 / 3E | | • | | | | • | | | | | |
| PY-07 / 4 / 20 / 4E | | • | | | | | • | | | | |
| PY-11 / 4 / 20 / 3M | | • | | | • | | | 1,1 | 8,0 | 1,0 | |
| PY-11 / 4 / 20 / 4M | | • | | | | • | | | | | |
| PY-11 / 4 / 30 / 3M | | | • | | • | | | | | | |
| PY-11 / 4 / 30 / 4M | | | • | | | • | | | | | |
| PY-11 / 4 / 20 / 3E | | • | | | • | | | | | | |
| PY-11 / 4 / 20 / 4E | | • | | | | • | | | | | |
| PY-11 / 4 / 30 / 3E | | | • | | • | | • | | | | |
| PY-11 / 4 / 30 / 4E | | | • | | | • | • | | | | |
| PY-22 / 4 / 30 / 3M | | | • | | • | | | 2,2 | 16,0 | 2,1 | |
| PY-22 / 4 / 30 / 4M | | | • | | | • | | | | | |
| PY-22 / 4 / 50 / 3M | | | | • | • | | | | | | |
| PY-22 / 4 / 50 / 4M | | | | • | | • | | | | | |
| PY-22 / 4 / 30 / 3E | | | • | | • | | | | | | |
| PY-22 / 4 / 30 / 4E | | | • | | | • | | | | | |
| PY-22 / 4 / 50 / 3E | | | | • | • | | • | | | | |
| PY-22 / 4 / 50 / 4E | | | | • | | • | • | | | | |

JACKS AND TOOLS

Couplers, 700 bar



The hydraulic couplers are self-sealing, and only have to be fixed hand-tight. When not in use, steel balls will prevent oil leakage. All the hydraulic cylinders are equipped with a female coupler half CFY-1.

| Model | Description | Thread | Max. pressure bar | Dimensions | | | | | | Dust cap * |
|--------|---------------------|------------------|-------------------|------------|----|----|----|----|----|------------|
| | | | | A | B | C | D | E | F | |
| CFY-1 | Female coupler half | 3/8-NPT, outer | 700 | - | 72 | - | 35 | 24 | - | CDF-9 |
| CFY-2 | Female coupler half | 3/8-NPT, inner | 700 | - | 78 | - | 35 | 27 | - | CDF-9 |
| CFY-18 | Female coupler half | M 18 x 1,5 outer | 700 | - | 72 | - | 35 | 24 | - | CDF-9 |
| CMY-1 | Male coupler half | 3/8-NPT, inner | 700 | - | - | 38 | - | - | 32 | CDF-9 |
| CCY-1 | Complete coupler | 3/8-NPT | 700 | 85 | - | - | - | - | - | CDF-9 |

All female coupler halves come with CDF-9 dust cap

* CDF-9 dust cap for either male or female coupler half

Pressure gauges



The use of pressure gauges is always recommended when visual reading of the force and/or pressure is required, thus preventing accidental overloading of hydraulic equipment. Gauge housings are made from stainless steel and have an acrylic plastic face cover plate. To absorb pressure shocks gauges are glycerine-filled, thus contributing to a long service life. Also fitted to a motor pump the pointer will stay jitterfree.

| Model | Reading range bar | Scale Ø in mm | Glycerine-filled | Connection | Socket width | Accuracy classification |
|----------|-------------------|---------------|------------------|------------|--------------|-------------------------|
| GGY-631 | 0-1000 | 63 | yes | G 1/4 | 14 | 1,6 |
| GGY-632 | 0-1000 | 63 | yes | 1/4 NPT | 14 | 1,6 |
| GGY-1001 | 0-1000 | 100 | yes | G 1/2 | 22 | 1,0 |
| GGY-2500 | 0-2500 | 100 | yes | G 1/2 | 22 | 1,0 |

JACKS AND TOOLS



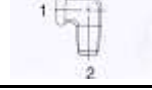
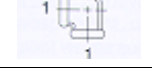
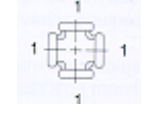
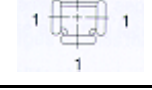
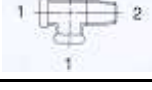





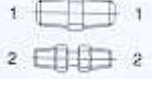
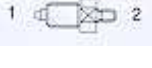
Fittings and adaptators



Fittings are most suitable for a universal combination of hydraulic cylinders. You are free to make any connection you require by means of tee, angles and manifolds.

The fittings are designed for a max. operating pressure of 700 bar.

For an improved sealing use 2 layers of Teflon tape and tighten fittings handtight.

| Illustration | Connection 1 | Connection 2 | Description | Model |
|---|--|--|---|---|
|  | 3/8 - 18 NPT outside | - | Double nipple | FY-1 |
|  | 1/4 - 18 NPT outside 3/8 - 18 NPT outside 3/8 - 18 NPT outside | R 1/4 outside M 14 x 1,5 outside for sleeve R 1/4 outside | Double nipple Double nipple Double nipple | FY-13 FY-17 FY-18 |
|  | 3/8 - 18 NPT inside | 3/8 - 18 NPT outside | Angle | FY-2 |
|  | 3/8 - 18 NPT inside | - | Angle | FY-3 |
|  | 3/8 - 18 NPT inside | - | Cross | FY-6 |
|  | 3/8 - 18 NPT inside | - | Tee | FY-4 |
|  | 3/8 - 18 NPT inside | 3/8 - 18 NPT outside | Tee | FY-5 |
|  | 3/8 - 18 NPT inside 3/8 - 18 NPT inside | 3/8 - 18 NPT inside 1/4 - 18 NPT inside | Connection Connection | FY-7 FY-11 |
|  | 3/8 - 18 NPT outside 1/4 - 18 NPT outside 3/8 - 18 NPT outside 1/2 - 18 NPT outside 3/8 - 18 NPT outside | R 1/2 inside 3/8 - 18 NPT inside 1/4 - 18 NPT inside 3/8 - 18 NPT inside M 18 x 1,5 inside | Adaptor Adaptor Adaptor Adaptor Adaptor | FY-8 FY-9 FY-10 FY-12 FY-16 |
|  | M 18 x 1,5 outside M 14 outside | 3/8 - 18 NPT inside 3/8 - 18 NPT inside | Adaptor Adaptor | FY-19 FY-20 |
|  | 1/4 - 18 NPT outside 3/8 - 18 NPT outside | - - | Plug Plug | FY-14 FY-15 |
|  | R 1/8 outside | - | Double nipple | FY-21 |
|  | 3/8 - 18 NPT outside | 1/4 - 18 NPT outside | Connector set for 4/3-way valve and hand pump | FY-703 |
|  | M 22 x 1,5 outside (with seal cone) | R 1/4 outside | Fitting from hand pump TWZ or gauge adaptor to hose HH-2001/20 | FY-201 |

JACKS AND TOOLS

Universal jacks Series JH



- For heavy-duty use
- Precise relief valve with ball seat
- Additional screw extension
- Grooved saddles
- Large base plates for increased stability

These jacks can be used in either vertical or horizontal positions ; in the latter case the pump piston should be positioned underneath the jack. The additional screw extension bridges slack space, so that the total piston stroke can be used.

| Model | Capacity t | Closed Height mm | Stroke mm | Screw extension mm | Max. Height mm | Weight kg |
|-------|---------------|---------------------|--------------|-----------------------|-------------------|--------------|
| JH-2 | 2 | 181 | 115 | 50 | 346 | 2,7 |
| JH-4 | 4 | 205 | 126 | 60 | 391 | 3,7 |
| JH-6 | 6 | 219 | 130 | 75 | 424 | 4,7 |
| JH-8 | 8 | 225 | 152 | 70 | 447 | 5,7 |
| JH-12 | 12 | 240 | 153 | 80 | 473 | 8,0 |
| JH-20 | 20 | 240 | 153 | 80 | 473 | 11,0 |
| JH-30 | 30 | 280 | 180 | - | 460 | 22,0 |
| JH-50 | 50 | 216 | 145 | - | 361 | 18,5 |

JACKS AND TOOLS

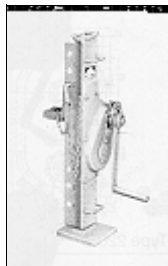
Rack jacks



| | Type | Order no. | Load t | Height mm | Lift mm | Weight kg |
|---------------------------|-----------|-----------|-----------|--------------|------------|--------------|
| RACK JACK | | | | | | |
| <i>to DIN 7355</i> | 11.1,5 S | 200 001 | 1.5 | 725 | 350 | 12.5 |
| <i>with safety crank</i> | 11.3 S | 200 002 | 3 | 725 | 350 | 20 |
| | 11.5 S | 200 003 | 5 | 725 | 300 | 27 |
| | 11.10 S | 200 004 | 10 | 800 | 300 | 42 |
| | 11.15 S | 200 005 | 15 | 800 | 400 | 58.5 |
| | 11.20 S | 200 006 | 20 | 800 | 400 | 58.5 |
| <i>to DIN 7355</i> | 11.1,5 R | 200 007 | 1.5 | 725 | 350 | 12.5 |
| <i>with ratchet crank</i> | 11.3 R | 200 008 | 3 | 725 | 350 | 20 |
| | 11.5 R | 200 009 | 5 | 725 | 300 | 27 |
| | 11.10 R | 200 010 | 10 | 800 | 300 | 42 |
| | 11.15 R | 200 011 | 15 | 800 | 400 | 58.5 |
| | 11.20 R | 200 012 | 20 | 800 | 400 | 58.5 |
| <i>short version</i> | 11.1,5 KS | 200 013 | 1.5 | 600 | 300 | 11 |
| <i>with safety crank</i> | 11.3 KS | 200 014 | 3 | 600 | 300 | 18.5 |
| | 11.5 KS | 200 015 | 5 | 600 | 300 | 23.5 |
| | 11.10 KS | 200 016 | 10 | 650 | 300 | 41 |
| | 11.15 KS | 200 017 | 15 | 700 | 350 | 55 |
| | 11.20 KS | 200 018 | 20 | 700 | 350 | 55 |
| <i>short version</i> | 11.1,5 KR | 200 019 | 1.5 | 600 | 300 | 11 |
| <i>with ratchet crank</i> | 11.3 KR | 200 020 | 3 | 600 | 300 | 18.5 |
| | 11.5 KR | 200 021 | 5 | 600 | 300 | 23.5 |
| | 11.10 KR | 200 022 | 10 | 650 | 300 | 41 |
| | 11.15 KR | 200 023 | 15 | 700 | 350 | 55 |
| | 11.20 KR | 200 024 | 20 | 700 | 350 | 55 |

JACKS AND TOOLS

Rack jacks

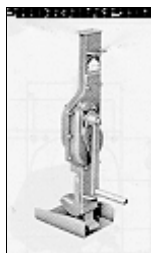


*Rack Jack
with adjustable claw
with safety crank*

| Type | Order no. | Load t | Height mm | Lift mm | Weight kg |
|------------|-----------|--------|-----------|---------|-----------|
| 1188.1,5 S | 200 025 | 1.5 | 725 | 350 | 16.5 |
| 1188.3 S | 200 026 | 3 | 725 | 350 | 22 |
| 1188.5 S | 200 027 | 5 | 725 | 300 | 32 |
| 1188.10 S | 200 028 | 10 | 800 | 300 | 52 |

*Rack Jack
with adjustable claw
with ratchet crank*

| | | | | | |
|------------|---------|-----|-----|-----|------|
| 1188.1,5 R | 200 029 | 1.5 | 725 | 350 | 16.5 |
| 1188.3 R | 200 030 | 3 | 725 | 350 | 22 |
| 1188.5 R | 200 031 | 5 | 725 | 300 | 32 |
| 1188.10 R | 200 032 | 10 | 800 | 300 | 52 |



*Railway Rack Jack
with standard crank*

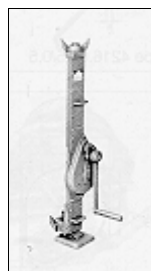
| Type | Order no. | Load t | Height mm | Lift mm | Weight kg |
|---------|-----------|--------|-----------|---------|-----------|
| 12.3 N | 200 033 | 3 | 690 | 350 | 22 |
| 12.5 N | 200 034 | 5 | 690 | 300 | 29 |
| 12.10 N | 200 035 | 10 | 760 | 300 | 45 |

*Railway Rack Jack
with safety crank*

| | | | | | |
|---------|---------|----|-----|-----|----|
| 12.3 S | 200 036 | 3 | 690 | 350 | 22 |
| 12.5 S | 200 037 | 5 | 690 | 300 | 29 |
| 12.10 S | 200 038 | 10 | 760 | 300 | 45 |

*Railway Rack Jack
with ratchet crank*

| | | | | | |
|---------|---------|----|-----|-----|----|
| 12.3 R | 200 039 | 3 | 690 | 350 | 22 |
| 12.5 R | 200 040 | 5 | 690 | 300 | 29 |
| 12.10 R | 200 041 | 10 | 760 | 300 | 45 |



*Timber Jack
with claw and rotating
horn, safety crank*

| Type | Order no. | Load t | Height mm | Lift mm | Weight kg |
|--------|-----------|--------|-----------|---------|-----------|
| 13.3 S | 200 042 | 3 | 725 | 350 | 20 |
| 13.5 S | 200 043 | 5 | 725 | 300 | 29 |

JACKS AND TOOLS

Jacks



TOP : high-resistance sheet steel rack jacks

| | | BT 2,5 | BT 5 | BT 10 | BT 16 | BT 20 |
|--------------|----|---------------|-------------|--------------|--------------|--------------|
| Capacity | t | 2,5 | 5 | 10 | 16 | 20 |
| Reduction | | 2:1 | 2:1 | 2:1 | 3:1 | 3:1 |
| Lifting | mm | 345 | 360 | 320 | 320 | 300 |
| Crank effort | kg | 38 | 55 | 54 | 73 | 80 |
| Weight | kg | 14 | 22 | 38 | 65 | 90 |



HYDROFOR : “bottle” hydraulic jacks, charge limit (2 to 100 t for a lift from 345 to 300 mm) ; hydraulic jacks with “lifting pivoting clip monoblock” (5 to 10 t)

| | | H 5 | H 10 |
|---------------|----|------------|-------------|
| Capacity | t | 5 | 10 |
| Movement | mm | 206 | 233 |
| Clip movement | mm | 25-231 | 25-258 |
| Head movement | mm | 368-574 | 413-646 |

JACKS AND TOOLS

Hydraulic workshop presses 10-200 t



50, 100 and 200 t - Presses



10 and 23 t presses

All-presses include :

Equipment ready-to-use, hydraulic oil, oil level gauge,
High pressure hydraulic hoses, pressure gauge,
Base profiles with monting bores, bed adjustment.

| Model | Capacity t | Cylinder model | Cylinder-stroke mm | Piston-return | Type of pump | Valve control | Pump model |
|---|----------------------|--|--------------------------|--|--|--|--|
| RPY-1015 M RPY-1015 A | 10 10 | YS-10/150 YS-10/150 | 150 150 | Spring Spring | Manual Air | Manual Manual | HPS-1/0,7 PAY-6 |
| RPY-2316 M RPY-2316 A RPY-2325 M RPY-2325 EM | 23 23 23 23 | YS-23/160 YS-23/160 YS-23/250 YS-23/250 | 160 160 250 250 | Spring Spring Spring Spring | Manual Air Manual Electric | Manual Manual Manual Manual | HPS-2/2 PAY-6 HPS-2/2 PY-04/2/5/2M |
| RPY-5016 M RPY-5016 EM RPY-5035 EM RPY-5035 EE | 50 50 50 50 | YS-50/160 YS-50/160 YH-50/350 YH-50/350 | 160 160 350 350 | Spring Spring Hydraulic Hydraulic | Manual Electric Electric Electric | Manual Manual Manual Electric | HPS-2/2 PY-04/2/5/2M PY-04/2/5/4M PY-07/3/20/4E |
| RPY-10035 EM RPY-10035 EE RPY-10050 EM | 100 100 100 | YH-100/350 YH-100/350 YH-100/500 | 350 350 500 | Hydraulic Hydraulic Hydraulic | Electric Electric Electric | Manual Electric Manual | PY-07/3/20/4M PY-07/3/20/4E PY-07/3/20/4M |
| RPY-20035 EM RPY-20035 EE RPY-20050 EM | 200 200 200 | YH-200/350 YH-200/350 YH-200/500 | 350 350 500 | Hydraulic Hydraulic Hydraulic | Electric Electric Electric | Manual Electric Manual | PY-11/3/20/4M PY-11/3/20/4E PY-11/3/20/4M |

Code explanation

Valve control : M = Manual operated, E = Electric solenoid valve with remote pendant control
 Type of pump : M = Hand pump, E = Electric motor pump, A = Air driven motor pump
 Stroke of cylinder : 15 = 150 mm, 16 = 160 mm, 25 = 250 mm, 35 = 35 mm, 50 = 500 mm
 Max. capacity : 10 = 10 t, 23 = 23 t, 50 = 50 t, 100 = 100 t, 200 = 200 t