



Cat[®] Hydraulic Connecting S Type

Excavator Couplers

Technical Specifications

Not all attachments available in all regions. Consult your Cat[®] dealer for specific configurations available in your region.

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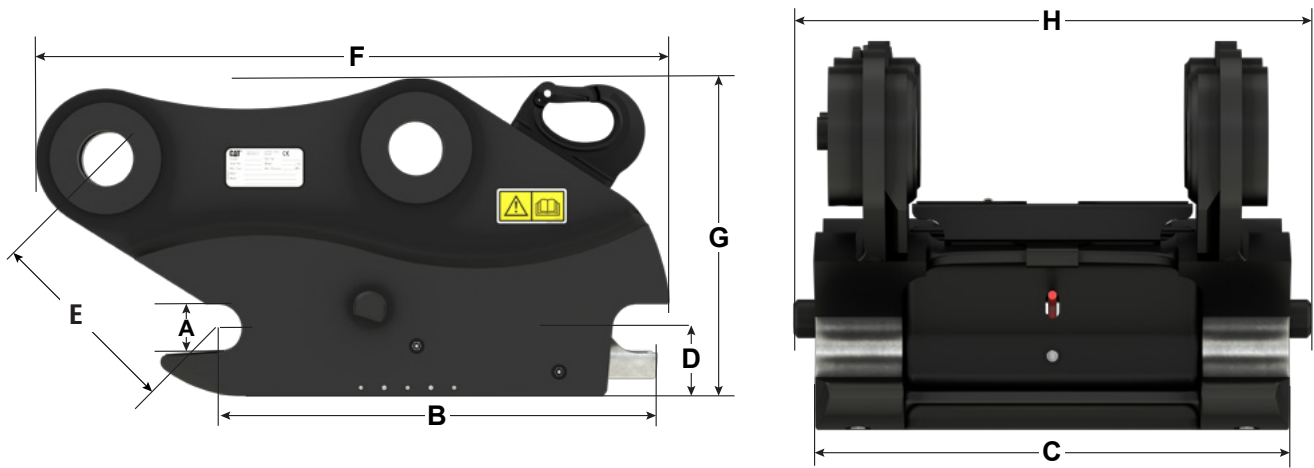
Hydraulic Connecting S Type Couplers

Specifications

| Model | Part Number | Linkage | Carrier Weight, Maximum | Permitted Positive Torque | Permitted Negative Torque | Weight | | Lift Hook Capacity | |
|----------|-------------|---------|----------------------------|------------------------------|------------------------------|--------|-------|--------------------|--------|
| | | | ton | kN·m | kN·m | kg | lb | ton | lb |
| HCS60 | 582-8807 | M312 | 19 | 165 | 108 | 173 | 381 | 5 | 10,000 |
| | 590-2376 | 312 | 19 | 165 | 108 | 147 | 324 | 5 | 10,000 |
| | 590-2377 | 315 | 19 | 165 | 108 | 174 | 384 | 5 | 10,000 |
| HCS65 | 590-2379 | M312 | 20 | 240 | 156 | 208 | 459 | 5 | 10,000 |
| | 590-2380 | 312 | 20 | 240 | 156 | 191 | 421 | 5 | 10,000 |
| | 583-0661 | 315 | 20 | 240 | 156 | 212 | 467 | 5 | 10,000 |
| HCS70 | 582-8929 | B/M320 | 30 | 300 | 195 | 290 | 639 | 8 | 16,000 |
| | 580-0407 | CB | 30 | 300 | 195 | 315 | 694 | 8 | 16,000 |
| | 598-7847 | UHD | 30 | 300 | 195 | 332 | 732 | 8 | 16,000 |
| HCS70/55 | 582-9886 | B/M320 | 30 | 350 | 228 | 325 | 717 | 8 | 16,000 |
| | 582-9976 | CB | 30 | 350 | 228 | 346 | 763 | 8 | 16,000 |
| | 598-7849 | UHD | 30 | 350 | 228 | 360 | 794 | 8 | 16,000 |
| HCS80 | 583-0203 | CB | 40 | 500 | 325 | 429 | 946 | 10 | 20,000 |
| | 583-0212 | DB | 40 | 500 | 325 | 459 | 1,012 | 10 | 20,000 |

Hydraulic Connecting S Type Couplers

Dimensions



| Model | Part Number | (A) Shaft Diameter | | (B) Shaft Center to Center | | (C) Width | | (D) Basic Height | | (E) Hinge Distance | | (F) Total Length | | (G) Total Height | | (H) Total Width | |
|----------|-------------|--------------------|-----|----------------------------|------|-----------|------|------------------|-----|--------------------|------|------------------|------|------------------|------|-----------------|------|
| | | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm | in |
| HCS60 | 582-8807 | 60 | 2.4 | 480 | 18.9 | 340 | 13.4 | 75 | 3.0 | 245 | 9.6 | 775 | 30.5 | 405 | 15.9 | 470 | 18.5 |
| | 590-2376 | 60 | 2.4 | 480 | 18.9 | 340 | 13.4 | 75 | 3.0 | 225 | 8.9 | 743 | 29.3 | 392 | 15.4 | 413 | 16.3 |
| | 590-2377 | 60 | 2.4 | 480 | 18.9 | 340 | 13.4 | 75 | 3.0 | 235 | 9.3 | 792 | 31.2 | 420 | 16.5 | 471 | 18.5 |
| HCS65 | 590-2379 | 65 | 2.6 | 530 | 20.9 | 440 | 17.3 | 82 | 3.2 | 236 | 9.3 | 802 | 31.6 | 390 | 15.4 | 508 | 20.0 |
| | 590-2380 | 65 | 2.6 | 530 | 20.9 | 440 | 17.3 | 82 | 3.2 | 225 | 8.9 | 785 | 30.9 | 385 | 15.2 | 494 | 19.4 |
| | 583-0661 | 65 | 2.6 | 530 | 20.9 | 440 | 17.3 | 82 | 3.2 | 236 | 9.3 | 825 | 32.5 | 410 | 16.1 | 508 | 20.0 |
| HCS70 | 582-8929 | 70 | 2.8 | 600 | 23.6 | 450 | 17.7 | 97 | 3.8 | 301 | 11.9 | 907 | 35.7 | 467 | 18.4 | 525 | 20.7 |
| | 580-0407 | 70 | 2.8 | 600 | 23.6 | 450 | 17.7 | 97 | 3.8 | 306 | 12.0 | 928 | 36.5 | 522 | 20.6 | 564 | 22.2 |
| | 598-7847 | 70 | 2.8 | 600 | 23.6 | 450 | 17.7 | 97 | 3.8 | 319 | 12.6 | 933 | 36.7 | 525 | 20.7 | 549 | 21.6 |
| HCS70/55 | 582-9886 | 70 | 2.8 | 600 | 23.6 | 550 | 21.7 | 97 | 3.8 | 291 | 11.5 | 907 | 35.7 | 455 | 17.9 | 607 | 23.9 |
| | 582-9976 | 70 | 2.8 | 600 | 23.6 | 550 | 21.7 | 97 | 3.8 | 296 | 11.7 | 928 | 36.5 | 510 | 20.1 | 607 | 23.9 |
| | 598-7849 | 70 | 2.8 | 600 | 23.6 | 550 | 21.7 | 97 | 3.8 | 309 | 12.2 | 935 | 36.8 | 513 | 20.2 | 607 | 23.9 |
| HCS80 | 583-0203 | 80 | 3.1 | 670 | 26.4 | 590 | 23.2 | 115 | 4.5 | 296 | 11.7 | 1004 | 39.5 | 512 | 20.2 | 647 | 25.5 |
| | 583-0212 | 80 | 3.1 | 670 | 26.4 | 590 | 23.2 | 115 | 4.5 | 314 | 12.4 | 1042 | 41.0 | 538 | 21.2 | 647 | 25.5 |

Hydraulic Connecting S Type Couplers

Machine Matching

● Optimal

○ Acceptable

■ No Match

| | HCS60 | HCS65 | HCS70 | HCS70/55 | HCS80 |
|--------------------------|-------|-------|-------|----------|-------|
| Small Excavators | | | | | |
| 311F | ● | ● | | | |
| 313F GC | ● | ● | | | |
| 313F | ● | ● | | | |
| 313 GC | ● | ● | | | |
| 313 | ● | ● | | | |
| 315F | ● | ● | | | |
| 315 | ● | ● | | | |
| 316F | ● | ● | ○ | ○ | |
| 317 GC | ● | ● | ○ | ○ | |
| 317 | ● | ● | ○ | ○ | |
| 318F | ● | ● | ○ | ○ | |
| Medium Excavators | | | | | |
| 320F | | ○ | ● | ● | |
| 320 | | ○ | ● | ● | |
| 320 GC | | ○ | ● | ● | |
| 323F | | ○ | ● | ● | |
| 323 | | ○ | ● | ● | |
| 325F | | ○ | ● | ● | |
| 325 | | | ● | ● | |
| 326F | | | ● | ● | ● |
| 326 | | | ● | ● | ● |
| 330F | | | ● | ● | ● |
| 330 | | | ● | ● | ● |
| 330 GC | | | ● | ● | ● |
| 335F | | | ● | ● | ● |

| | HCS60 | HCS65 | HCS70 | HCS70/55 | HCS80 |
|---------------------------|-------|-------|-------|----------|-------|
| Large Excavators | | | | | |
| 336F | | | | | ● |
| 336F XE | | | | | ● |
| 336 | | | | | ● |
| 336 GC | | | | | ● |
| 340F | | | | | ● |
| 340F UHD | | | ● | ● | ○ |
| 340 | | | | | ● |
| 340 UHD | | | ● | ● | ○ |
| 352 UHD | | | ● | ● | ○ |
| Wheeled Excavators | | | | | |
| M314F | ● | ● | | | |
| M314 | ● | ● | | | |
| M315F | ● | ● | | | |
| M316F | ● | ● | | | |
| M316 | ● | ● | ○ | ○ | |
| M317F | ● | ● | ○ | ○ | |
| M318F | ● | ● | ○ | ○ | |
| M318 | ● | ● | ○ | ○ | |
| M320F | | ○ | ● | ● | |
| M320 | | ○ | ● | ● | |
| M322F | | ○ | ● | ● | |
| Material Handlers* | | | | | |
| MH3022 | | ○ | ● | ● | |
| MH3024 | | ○ | ● | ● | |
| MH3026 | | ○ | ● | ● | |

*When equipped with appropriate stick and bucket linkage.
UHD – Ultra High Demolition

Hydraulic Connecting S Type Couplers

Hydromechanical Matching

Check your machine's configuration to determine optimal coupler and attachment combinations.

Match

No Match

| Family | Model | HCS60 | HCS65 | HCS70 | HCS70/55 | HCS80 |
|------------------------------------|---------------------------|-------|-------|-------|----------|-------|
| Hydraulic Hammers | H110 S | ✓ | ✓ | | | |
| | H115 S | ✓ | ✓ | ✓ | ✓ | |
| | H120 S | | ✓ | ✓ | ✓ | ✓ |
| | H130 S | | | ✓ | ✓ | ✓ |
| | H140 S | | | ✓ | ✓ | ✓ |
| | H160 S | | | | | ✓ |
| Multi-Processors | MP318 Concrete Cutter Jaw | | ✓ | ✓ | ✓ | |
| | MP318 Demolition Jaw | | ✓ | ✓ | ✓ | |
| | MP318 Pulverizer Jaw | | ✓ | ✓ | ✓ | |
| | MP318 Shear Jaw | | ✓ | ✓ | ✓ | |
| | MP318 Universal Jaw | | ✓ | ✓ | ✓ | |
| | MP324 Concrete Cutter Jaw | | | ✓ | ✓ | ✓ |
| | MP324 Demolition Jaw | | | ✓ | ✓ | ✓ |
| | MP324 Pulverizer Jaw | | | ✓ | ✓ | ✓ |
| | MP324 Shear Jaw | | | ✓ | ✓ | ✓ |
| | MP324 Tank Shear Jaw | | | ✓ | ✓ | ✓ |
| | MP324 Universal Jaw | | | ✓ | ✓ | ✓ |
| | MP332 Concrete Cutter Jaw | | | | | ✓ |
| | MP332 Demolition Jaw | | | | | ✓ |
| | MP332 Pulverizer Jaw | | | | | ✓ |
| | MP332 Shear Jaw | | | | | ✓ |
| MP332 Universal Jaw | | | | | ✓ | |
| MP332 Tank Shear Jaw | | | | | ✓ | |
| Demolition and Sorting Grapples | G312 GC | ✓ | ✓ | | | |
| | G313 GC | ✓ | ✓ | | | |
| | G314 | ✓ | ✓ | | | |
| | G317 GC | ✓ | ✓ | ✓ | ✓ | |
| | G318 | | ✓ | ✓ | ✓ | |
| | G318 WH 800 | | ✓ | ✓ | ✓ | |
| | G318 WH 1100 | | | ✓ | ✓ | |
| | G324 | | | ✓ | ✓ | ✓ |
| | G324 WH 1500 | | | ✓ | ✓ | ✓ |
| | G324 WH 1800 | | | ✓ | ✓ | ✓ |
| | G324 WH 2000 | | | ✓ | ✓ | ✓ |
| | G332 | | | ✓ | ✓ | ✓ |
| | G345 | | | | | ✓ |
| Mobile Scrap and Demolition Shears | S3015 | ✓ | ✓ | | | |
| | S3025 | | | ✓ | ✓ | ✓ |
| | S3035 | | | ✓ | ✓ | ✓ |
| Pulverizers | P215 | | ✓ | ✓ | ✓ | |
| | P225 | | | ✓ | ✓ | ✓ |
| | P235 | | | | | ✓ |
| Crushers | P315 | | ✓ | ✓ | ✓ | |
| | P325 | | | | ✓ | ✓ |
| | P335 | | | | | ✓ |
| Compactors (Vibratory Plate) | CVP75 | ✓ | ✓ | | | |
| | CVP110 | | | ✓ | ✓ | ✓ |

Hydraulic Connecting S Type Couplers

Bucket Matching

Use with Hydraulic Connecting S Type Couplers or the equivalent OilQuick Dedicated Coupler.

HCS65 Coupler (312-Family)

| Part No. | Width | | Capacity | | Adapters | | Weight | |
|------------------------|-------|----|----------------|-----------------|----------|------|--------|------|
| | mm | in | m ³ | yd ³ | GET | Qty. | kg | lb |
| General Duty | | | | | | | | |
| 489-4228 ^{LE} | 600 | 24 | 0.32 | 0.42 | K80 | 3 | 495 | 1090 |
| 490-5273 ^{LE} | 800 | 31 | 0.48 | 0.62 | K80 | 2 | 601 | 1325 |
| 490-5274 ^{LE} | 1000 | 39 | 0.64 | 0.84 | K80 | 4 | 709 | 1563 |
| 489-4229 ^{LE} | 1200 | 47 | 0.80 | 1.04 | K80 | 5 | 778 | 1715 |

*Tips included

LE – Leveling Edge included

NOTE: Bucket profile specifically for M313D, M314F, M315D2/F

HCS70/55 Coupler (315/316-Family)

| Part No. | Width | | Capacity | | Adapters | | Weight | |
|------------------------|-------|----|----------------|-----------------|----------|------|--------|------|
| | mm | in | m ³ | yd ³ | GET | Qty. | kg | lb |
| General Duty | | | | | | | | |
| 490-4017 ^{LE} | 600 | 24 | 0.35 | 0.46 | K80 | 3 | 537 | 1184 |
| 488-8415 ^{LE} | 650 | 25 | 0.46 | 0.60 | K80 | 3 | 602 | 1328 |
| 477-3375 ^{LE} | 750 | 29 | 0.55 | 0.72 | K80 | 3 | 669 | 1474 |
| 490-4018 ^{LE} | 800 | 31 | 0.55 | 0.72 | K80 | 3 | 647 | 1426 |
| 477-3376 ^{LE} | 950 | 37 | 0.74 | 0.96 | K80 | 4 | 782 | 1723 |
| 490-4019 ^{LE} | 1000 | 39 | 0.74 | 0.96 | K80 | 4 | 760 | 1676 |
| 477-3377 ^{LE} | 1150 | 45 | 0.93 | 1.21 | K80 | 5 | 892 | 1967 |
| 490-4020 ^{LE} | 1200 | 47 | 0.93 | 1.22 | K80 | 5 | 872 | 1922 |
| 479-8870 ^{LE} | 1350 | 53 | 1.12 | 1.50 | K80 | 5 | 989 | 2181 |
| 490-4021 ^{LE} | 1400 | 55 | 1.12 | 1.50 | K80 | 5 | 966 | 2129 |

*Tips included

LE – Leveling Edge included

HCS70/55 Coupler (B-Family)

| Part No. | Width | | Capacity | | Adapters | | Weight | |
|------------------------|-------|----|----------------|-----------------|----------|------|--------|------|
| | mm | in | m ³ | yd ³ | GET | Qty. | kg | lb |
| General Duty | | | | | | | | |
| 485-7621 ^{LE} | 650 | 25 | 0.69 | 0.90 | K80 | 3 | 709 | 1556 |
| 485-7622 ^{LE} | 800 | 31 | 0.69 | 0.90 | K80 | 3 | 786 | 1732 |
| 573-4984 | 1000 | 39 | 0.87 | 1.14 | 80 | 4 | 830 | 1830 |
| 477-3378 ^{LE} | 1000 | 39 | 0.93 | 1.22 | K80 | 4 | 910 | 2006 |
| 573-4985 | 1200 | 47 | 1.10 | 1.43 | 80 | 5 | 938 | 2068 |
| 477-3379 ^{LE} | 1200 | 47 | 1.18 | 1.54 | K80 | 5 | 1033 | 2277 |
| 573-4988 ^{LE} | 1300 | 51 | 1.30 | 1.70 | 80 | 5 | 992 | 2187 |
| 477-3380 ^{LE} | 1300 | 51 | 1.30 | 1.70 | K80 | 5 | 1087 | 2396 |
| 573-4986 | 1400 | 55 | 1.33 | 1.73 | 80 | 5 | 1036 | 2284 |
| 477-3381 ^{LE} | 1400 | 55 | 1.43 | 1.87 | K80 | 5 | 1141 | 5215 |
| 477-3382 ^{LE} | 1500 | 59 | 1.55 | 2.02 | K80 | 5 | 1197 | 2639 |

*Tips included

LE – Leveling Edge included

HCS70/55 Coupler (CB-Family)

| Part No. | Width | | Capacity | | Adapters | | Weight | |
|------------------------|-------|----|----------------|-----------------|----------|------|--------|------|
| | mm | in | m ³ | yd ³ | GET | Qty. | kg | lb |
| General Duty | | | | | | | | |
| 490-5275 ^{LE} | 1200 | 47 | 1.29 | 1.69 | K90 | 4 | 1152 | 2540 |
| 490-5276 ^{LE} | 1300 | 51 | 1.43 | 1.87 | K90 | 5 | 1243 | 2740 |
| 490-5277 ^{LE} | 1400 | 55 | 1.57 | 2.05 | K90 | 5 | 1297 | 2859 |
| 573-4989 | 1600 | 63 | 1.80 | 2.35 | 90 | 5 | 1232 | 2716 |
| 490-5279 ^{LE} | 1600 | 63 | 1.84 | 2.40 | K90 | 6 | 1439 | 3172 |

*Tips included

LE – Leveling Edge included

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(EU, N Am)

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