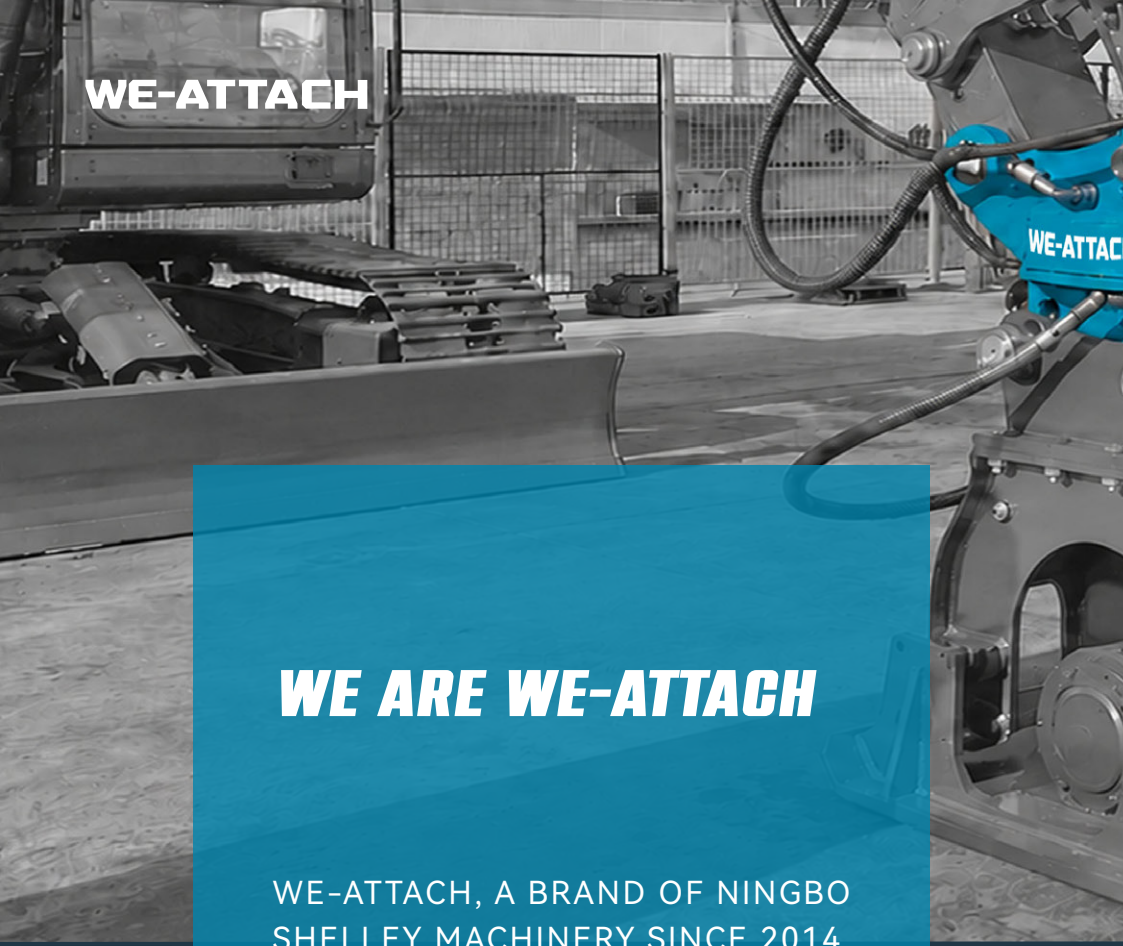
QUICK COUPLER SELECTION GUIDE

BEYOND ATTACHMENT, WE ATTACH PRODUCTIVITY

WE-ATTACH



WE ARE WE-ATTACH

WE-ATTACH, A BRAND OF NINGBO SHELLEY MACHINERY SINCE 2014, PROVIDES PREMIUM EXCAVATOR ATTACHMENTS FOR DEMOLITION,CONSTRUCTION, MINING, FORESTRY, AND MATERIAL HANDLING. OUR 35,000 ㎡ FACTORY AND 170 SKILLED STAFF, INCLUDING 20+ R&D ENGINEERS,ENSURE DURABLE, PRECISION-ENGINEERED SOLUTIONS.



12+
YEARS OF EXPERTISE

99.99%
ACCURACY

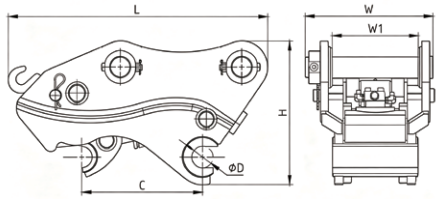
65+
COUNTRIES SERVED

35,000+
M^2 FACTORY AREA

WHC SERIES

HYDRAULIC QUICK COUPLER





SPECIFICATION

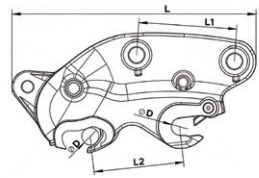
MODEL	WHC01	WHC02	WHC03	WHC04	WHC06
LENGTH(L)，MM	370-420	400-450	550-590	610-650	800-860
HEIGHT(H),MM	255-300	230-280	300-380	310-390	415-510
WIDTH(W),MM	150-200	210-250	240-310	300-390	360-420
PIN CENTER(C),MM	85-180	170-245	245-300	290-360	350-420
ARM WIDTH(W1),MM	90-120	110-160	150-230	220-280	250-320
PIN DIAMETER(ØD),MM	Ø25-Ø30	Ø30-Ø40	Ø40-Ø50	Ø50-Ø60	Ø60-Ø70
OPERATING PRESSURE,BAR	30-150	30-150	30-150	30-150	30-150
OIL FLOW RANGE,L/MIN	10-30	10-30	10-30	10-30	10-30
WEIGHT,KG	20-30	35-50	60-80	90-120	200-260
SUITABLE CARRIER,T	1-2	2.5-4	5-6	7-10	11-17

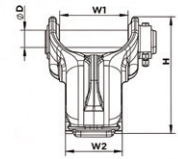
MODEL	WHC08	WHC10	WHC14	WHC17
LENGTH(L),MM	1000-1050	1080-1150	1150-1250	1250-1350
HEIGHT(H),MM	500-580	550-615	575-650	600-660
WIDTH(W),MM	450-560	530-640	580-650	630-700
PIN CENTER(C),MM	400-510	500-580	570-600	590-650
ARM WIDTH(W1),MM	300-390	350-420	400-450	450-500
PIN DIAMETER(ØD),MM	Ø80-Ø90	Ø90-Ø100	Ø100-Ø110	Ø110-Ø130
OPERATING PRESSURE,BAR	30-200	30-200	30-200	30-200
OIL FLOW RANGE,L/MIN	10-30	10-30	10-30	10-30
WEIGHT,KG	340-380	530-580	700-760	750-850
SUITABLE CARRIER,T	18-25	25-36	36-45	45-55

CAST TYPE

QUICK COUPLER







SPECIFICATION

SPECIFICATION	WCQ06	WCQ08
LENGTH, MM	930	1052
L1,MM	375	470
ØD,MM	65	80
L2,MM	345-400	425-505
W1,MM	216-260	302-327
W2,MM	216-260	302-327
H,MM	443	541

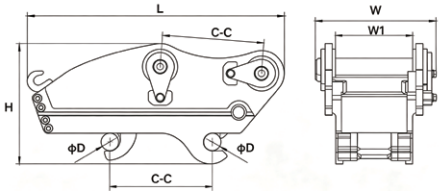
KEY FEATURES

- **MECHANICAL ANTI-DROP MECHANISM**
  HELPS MINIMIZE THE RISK OF ACCIDENTAL ATTACHMENT DISENGAGEMENT.
- **LOAD-BEARING LOWER PLATE**
  IMPROVES DURABILITY AND SHOCK RESISTANCE BY TRANSFERRING LOAD AWAY FROM THE CYLINDER.
- **INTEGRAL CAST CONSTRUCTION**
  PROVIDES A COMPACT STRUCTURE, CLEAN APPEARANCE, AND EXCELLENT IMPACT RESISTANCE.
- **EXTENDED MOVABLE JAW**
  PROVIDES BETTER WRAPPING AND MORE SECURE ENGAGEMENT WITH THE ATTACHMENT PIN.

D SERIES

DOUBLE LOCK TYPE





SPECIFICATION

SPECIFICATION	WDQ02	WDQ03	WDQ04	WDQ05	WDQ06	WDQ08	WDQ09	WDQ10
LENGTH(L),MM	450-500	580-630	600-630	660-720	900-970	1000-1050	1300-1400	CUSTOMIZABLE
WIDTH(W),MM	150-200	210-250	240-310	300-385	360-420	450-560	530-640	CUSTOMIZABLE
HEIGHT(H),MM	250-300	310-350	310-350	350-380	435-470	530-560	620-670	650-700
PIN DIAMETER(ØD),MM	25-30	35-40	45	50-60	60-70	80-90	90-100	100-120
PIN CENTER DISTANCE(C-C),MM	85-180	170-245	245-300	290-360	350-420	400-510	500-560	CUSTOMIZABLE
DIPPER WIDTH(W1),MM	90-120	110-160	150-230	220-280	250-320	300-390	350-420	CUSTOMIZABLE
WORKING PRESSURE,BAR	15-250	15-250	15-250	15-250	15-250	15-250	15-250	15-250
REQUIRED FLOW,L/MIN	10-30	10-30	10-30	10-30	10-30	10-30	10-30	10-30
WEIGHT,KG	20-30	35-50	60-80	90-120	200-260	340-380	530-580	650-800
SUITABLE CARRIER,T	1-2	2.5-4	5-6	7-10	11-17	18-25	25-36	36-45

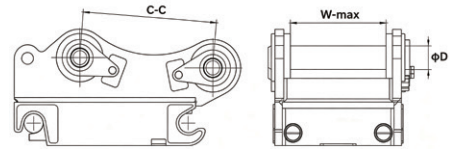
KEY FEATURES

- **DUAL FRONT AND REAR LOCKS**
  DUAL FRONT AND REAR LOCKS TO MINIMIZE THE RISK OF ATTACHMENT DETACHMENT TO THE GREATEST EXTENT.
- **FLAT PUSH STRUCTURE**
  FLAT PUSH STRUCTURE, LOWER PROFILE AND MORE COMPACT DESIGN COMPARED WITH CONVENTIONAL COUPLERS.
- **LOWER PLATE BEARS THE FORCE**
  LOWER PLATE BEARS THE FORCE, ENSURING STURDINESS, DURABILITY AND IMPACT RESISTANCE (CONVENTIONAL COUPLERS SUBJECT CYLINDERS TO GREATER STRESS).
- **WELDED TYPE**
  WELDED TYPE: CUSTOMIZABLE PRODUCT MANUFACTURED TO MEET THE REQUIREMENTS OF VARIOUS EXCAVATOR SPECIFICATIONS IN DIFFERENT MARKETS, FEATURING A WIDE RANGE OF APPLICATIONS.

S SERIES

DOUBLE LOCK TYPE





SPECIFICATION

SPECIFICATION	WSQ30	WSQ40	WSQ45	WSQ50	WSQ60
PIN DIAMETER(ØD), MM	20-30	30-40	40-50	50-60	60-70
PIN CENTER DISTANCE(C-C),MM	80-180	85-180	170-245	245-300	350-410
MAXIMUM OPENING(W-MAX),MM	144	156	226	206	272
WORKING PRESSURE,BAR	25-250	25-250	25-250	25-250	25-250
REQUIRED FLOW,L/MIN	10-20	10-20	10-20	10-20	10-20
WEIGHT,KG	35-45	60-80	95-110	120-130	180-210
SUITABLE CARRIER,T	0.8-2	2-6	6-11	6-11	11-18

SPECIFICATION	WSQ65	WSQ70	WSQ70/55	WSQ80	WSQ90
PIN DIAMETER(ØD), MM	70-80	80-90	80-90	90-110	110-120
PIN CENTER DISTANCE(C-C),MM	400-470	400-510	400-510	500-560	550-630
MAXIMUM OPENING(W-MAX),MM	272	364	364	470	610
WORKING PRESSURE,BAR	25-250	25-250	25-250	25-250	25-250
REQUIRED FLOW,L/MIN	10-20	10-20	10-20	10-20	10-20
WEIGHT,KG	230-260	380-400	390-410	590-610	950-1050
SUITABLE CARRIER,T	18-22	22-30	22-32	30-40	40-70

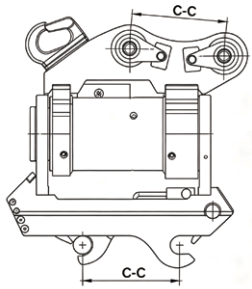
KEY FEATURES

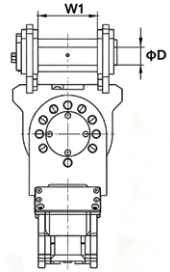
- **MEETS OS STANDARDS**
  LOW PROFILE WITH SUPERIOR LOAD-BEAR-ING PERFORMANCE
- **DUAL SAFETY STRUCTURE, SAFE AND RELIABLE**
  INTEGRATED BOX-TYPE STRUCTURE, STURDY AND DURABLE
- **SUITABLE FOR THE EUROPEAN MARKET**
  UNIFORM DIMENSIONS WITH EXCELLENT COMPATIBILITY

T SERIES

SWING QUICK COUPLER MODEL D







SPECIFICATION

SPECIFICATION	WTD02	WTD03	WTD04	WTD05	WTD06	WTD08
PIN DIAMETER(ØD), MM	25-30	35-40	45	50-55	60-70	80-85
PIN CENTER DISTANCE(C-C),MM	85-180	170-245	245-300	290-360	350-420	400-510
DIPPER WIDTH(W1),MM	90-120	110-160	150-230	220-280	250-320	300-390
TILT ANGLE	±90°	±90°	±90°	±90°	±70°	±70°
WORKING PRESSURE,BAR	15-350	15-350	15-350	15-350	15-350	15-350
CYLINDER FLOW RATE,L/MIN	10-30	10-30	10-30	10-30	10-30	10-30
SWING CYLINDER WORKING PRESSURE,BAR	210-250	210-250	210-250	210-250	210-250	210-250
SWING CYLINDER WORKING FLOW,L/MIN	2-4	5-16	5-16	15-44	19-58	35-105
WEIGHT,KG	60-80	110-130	160-180	220-250	350-450	650-740
SUITABLE CARRIER,T	1-2.5	3-4	5-6.5	7-10	11-17	18-26

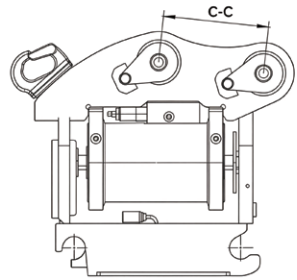
KEY FEATURES

- **SUITABLE FOR CONFINED-SPACE OPERATIONS**
  THE SWING FUNCTION ENABLES FLEXIBLE ANGLE ADJUSTMENT IN RESTRICTED WORKING AREAS.
- **INTEGRATED HYDRAULIC LINES**
  BUILT-IN OIL PASSAGES PROVIDE CLEANER PIPING AND EASIER INSTALLATION.
- **IMPACT-RESISTANT SWING CYLINDER**
  EQUIPPED WITH A HEAVY-DUTY SWING CYLINDER FOR RELIABLE OPERATION.
- **DUAL MECHANICAL LOCKING SYSTEM**
  DUAL MECHANICAL LOCKS HELP REDUCE THE RISK OF ACCIDENTAL ATTACHMENT RELEASE.

T SERIES

SWING QUICK COUPLER MODEL S





SPECIFICATION

SPECIFICATION	WTS40	WTS45	WTS60	WTS70
PIN DIAMETER(ØD)，MM	30-40	45-50	60-70	80-85
PIN CENTER DISTANCE(C-C),MM	170-300	290-360	350-420	400-510
DIPPER WIDTH(W1),MM	110-230	220-280	250-320	300-390
TILT ANGLE	±90°	±90°	±70°	±70°
WORKING PRESSURE,BAR	30-250	30-250	30-250	30-250
CYLINDER FLOW RATE,L/MIN	10-20	10-20	10-20	10-20
SWING CYLINDER WORKING PRESSURE,BAR	210-250	210-250	210-250	210-250
SWING CYLINDER WORKING FLOW,L/MIN	5-16	15-44	19-58	35-105
WEIGHT,KG	80-135	220-280	550-650	700-800
SUITABLE CARRIER,T	2-6	6-11	11-20	22-35

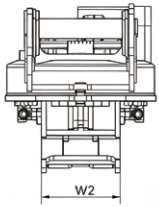
KEY FEATURES

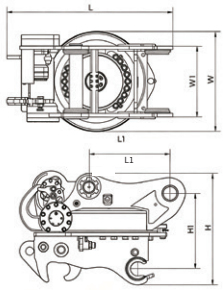
- **SUITABLE FOR OPERATIONS IN CONFINED SPACES**
  IDEAL FOR WORKING FOR WORKING IN CONFINED SPACES; THE WORKING ANGLE CAN BE ADJUSTED BY SWINGING
- **BUILT-IN HYDRAULIC LINES FOR A NEAT**
  EQUIPPED WITH AN IMPACT-RESISTANT SWING CYLINDER.
- **SUITABLE FOR OPERATIONS IN CONFINED SPACES**
  BUILT-IN OIL CIRCUIT FOR CLEAN, SIMPLE PIPING AND EASY CONNECTION.
- **BUILT-IN HYDRAULIC LINES FOR A NEAT**
  THE COUPLER IS FITTED WITH DUAL MECHANICAL LOCKS TO PREVENT ATTACHMENT DETACHMENT.

R SERIES

ROTARY QUICK COUPLER







SPECIFICATION

MODEL	WRQ02	WRQ4	WRQ06
LENGTH(L),MM	527	650	827
HEIGHT(H),MM	296	340	492
WIDTH(W),MM	373	405	545
OUTER OPENING GAP(W1),MM	200	224	350
LOWER OPENING GAP(W2),MM	135	154	257
WHEELBASE(L1),MM	212	295	399
HEIGHT DIFFERENCE(H1),MM	251	285	368
OPERATING FLOW(MOTOR),L/MIN	40-50	60-70	60-70
WORKING PRESSURE(MOTOR),BAR	140-160	140-160	140-160
OPERATING FLOW(CYLINDER),L/MIN	10-30	10-30	10-30
WORKING PRESSURE(CYLINDER),BAR	30-250	30-250	30-250
WEIGHT,KG	110	145	375
SUITABLE CARRIER,T	2.5-4	5-7	11-15

KEY FEATURES

- **360° ROTATION**
  BUILT-IN 360 ROTATION, COMPATIBLE WITH A WIDE RANGE OF ATTACHMENTS TO LOWER OVERALL OPERATING COSTS.
- **STEEL-COPPER COMPOSITE TURBINE**
  TURBINE ADOPTS STEEL-COPPER COMPOSITE TECHNOLOGY: PROVIDES LUBRICATION WHILE DELIVERING EXCELLENT IMPACT RESISTANCE.
- **HIGH-FLOW SWIVEL JOINT**
  EQUIPPED WITH A HIGH-FLOW SWIVEL JOINT: SUPPORTS HIGH-FLOW DEMAND ATTACHMENTS SUCH AS BREAKERS AND COMPACTORS.
- **COMPACT & POWERFUL**
  FEATURES GEARBOX DRIVE: COMPACT STRUCTURE WITH INCREASED TORQUE OUTPUT.

QUICK COUPLER
WARRANTY PERIOD STATEMENT

COMPONENT WARRANTY COVERAGE

Component	Quick Coupler (Standard)	Rotating Quick Coupler (Whichever comes first)
MAIN BODY (WELDED/CAST)	12 MONTHS	12 MONTHS OR 2,000 HOURS
HYDRAULIC LOCK	6 MONTHS	NOT APPLICABLE
HYDRAULIC CYLINDER	6 MONTHS	6 MONTHS OR 1,000 HOURS
SOLENOID VALVE	6 MONTHS	3 MONTHS OR 500 HOURS
PIN (PIVOT PIN)	3 MONTHS	3 MONTHS OR 500 HOURS
HOSES	3 MONTHS	3 MONTHS OR 500 HOURS
SWITCH	3 MONTHS	NOT APPLICABLE

ROTATING QUICK COUPLER — ADDITIONAL COMPONENTS

Component	Rotating Quick Coupler (Whichever comes first)
SLEWING RING (WORM GEAR) & CENTER JOINT	12 MONTHS OR 2,000 HOURS
HYDRAULIC MOTOR	6 MONTHS OR 1,000 HOURS
OIL SEALS	6 MONTHS OR 1,000 HOURS
VALVE SPOOL	3 MONTHS OR 500 HOURS
PINS / SHAFT PINS	3 MONTHS OR 500 HOURS

GENERAL WARRANTY CONDITIONS — APPLIES TO BOTH MODELS

1. **Manufacturer's Liability Limitation.** The manufacturer's liability is strictly limited to the repair or replacement of defective parts. In no event shall the manufacturer be liable for any special, indirect, incidental, or consequential damages, including but not limited to loss of profits, downtime, rental equipment, or personal injury.

2. **Wear & Consumable Items Excluded.** Tooth adaptors, teeth, bolts, hose fittings, quick couplers, wiring harnesses, and seals/gaskets are normal wear items and excluded from warranty coverage.

3. **Misuse Exclusion.** Damage caused by misuse, abuse, or improper operation is not covered.

4. **Unauthorized Modification.** Warranty is void if structural components are modified, welded, or reinforced without prior written authorization from the manufacturer.

5. **Warranty Commencement.** The warranty period commences on the date of installation, provided that the installation record (using the template provided by WE-ATTACH) is scanned and emailed to **shelley.li@we-attach.com** within two weeks. Otherwise, the warranty period shall be calculated from the date of receipt.

ADDITIONAL NOTE FOR ROTATING QUICK COUPLER

1. **Hydraulic Connection Requirement.** After hydraulic lines are installed, the cylinder must retract when the solenoid valve is energized and extend when de-energized. Cylinder damage or solenoid valve burnout caused by failure to follow installation instructions is strictly excluded from warranty coverage.

2. **Liability Scope.** The manufacturer is only responsible for quality defects of the rotating quick coupler itself, and shall not be liable for secondary losses, work downtime, personal injuries, or other consequential damages caused by quality issues or external factors.

Quick Coupler & Rotating Quick Coupler · Warranty Period Statement · WE-ATTACH reserves the right of final interpretation of these warranty terms.



NINGBO WE-ATTACH MANUFACTURING CO., LTD.