

Random Formations

Whether a formation belongs to a certain class dive pool is indicated by the following symbols:

① Open ② Advanced ③ Intermediate ④ Rookie

BB-A © AXIS Flight School

grip on opposite arm

Belly Star

①
②
③
④

BB-B © AXIS Flight School

grip on opposite arm

Back Star

①
②
③
④

BB-C © AXIS Flight School

grip on same leg

Belly Closed Accordion

①
②
③
④

BB-D © AXIS Flight School

grip on opposite leg

Mixed Closed Accordion

①
②
③
④

BB-E © AXIS Flight School

grip on same arm

Back Open Accordion

①
②
③
④

BB-F © AXIS Flight School

grip on opposite arm

Mixed Open Accordion

①
②
③
④

BB-G © AXIS Flight School

same side of the body

Back Side Body

①
②
③
④

BB-H © AXIS Flight School

same side of the body

Mixed Side Body

①
②
③
④

BB-J © AXIS Flight School

grip on same leg

Back Cat

①
②
③
④

BB-1 © AXIS Flight School

Back Open Accordion

①
②
③
④

BB-2 © AXIS Flight School

Back Open Accordion

①
②
③
④

BB-K © AXIS Flight School

grip on opposite leg

Mixed Cat

①
②
③
④

INTER

all 360°

INTER

INTER

INTER

BB-L © AXIS Flight School

grip on opposite leg

Back Stair Step

①
②
③
④

Back Open Accordion

Back Open Accordion

Back Open Accordion

Back Open Accordion

HU-A © AXIS Flight School

grip on opposite arm

Single Grip

①
②
③

HU-B © AXIS Flight School

grip on opposite arm

In-Facing Double Grip

①
②
③

HU-C © AXIS Flight School

grip on opposite arm

grip on opposite arm

Out-Facing Double Grip

①
②
③

HU-D © AXIS Flight School

grip on opposite foot

Hand-to-Foot

①
②
③

HU-E © AXIS Flight School

grip on opposite foot

Hands-to-Feet

①
②
③

HU-F © AXIS Flight School

foot dock on opposite upper leg

Feet-to-Knees

①
②
③

HU-G © AXIS Flight School

feet dock on top of same shoulders (between neck and rm)

Totem

①
②
③

HU-H © AXIS Flight School

foot dock on same foot

Foot-to-Foot

①
②
③

HU-J © AXIS Flight School

Double Spock

①
②
③

HU-1 © AXIS Flight School

grip on same arm

Grip

①
②
③

INTER

360°

360°

INTER

repeat original grip

Grip

HU-2 © AXIS Flight School

grip on same arm

Grip

①
②
③

INTER

360°

INTER

repeat original grip

Grip

HU-3 © AXIS Flight School

grip on same arm

Grip

①
②

INTER

360°

360°

INTER

repeat original grip

Grip

HU-4 © AXIS Flight School

grip on same arm

Grip

①
②
③

INTER

1

2

INTER

repeat original grip

Grip

HD-A © AXIS Flight School ① ②

Joker

HD-B © AXIS Flight School ① ②

In-Facing Double Grip

HD-C © AXIS Flight School ① ②

Mixed In-Facing Double Grip

HD-D © AXIS Flight School ①

Out-Facing Double Grip

HD-E © AXIS Flight School ① ②

Mind Warp

HD-F © AXIS Flight School ①

Double Spock

HD-G © AXIS Flight School ① ②

Sole-to-Sole

HD-H © AXIS Flight School ① ②

Stair Step

HD-J © AXIS Flight School ① ②

Vertical Closed Accordion

HD-K © AXIS Flight School ①

Sixty-Nine

HD-1 © AXIS Flight School ①

Sixty-Nine

HD-2 © AXIS Flight School ①

Grip

HD-3 © AXIS Flight School ①

Grip

HD-4 © AXIS Flight School ① ②

Grip

INTER

INTER

INTER

INTER

INTER

INTER

INTER

INTER

Sixty-Nine

Sixty-Nine

Grip

Grip

Grip

Grip

Grip

Grip

HD-5 © AXIS Flight School ①

grip on same arm

Grip

half (180°) front-loop over

half (180°) front-loop under

Half-Eagle

repeat original grip in new orientation

Grip

HD-6 © AXIS Flight School ①

grip on same arm

Grip

half (180°) back-loop over

half (180°) back-loop under

Half-Cradle

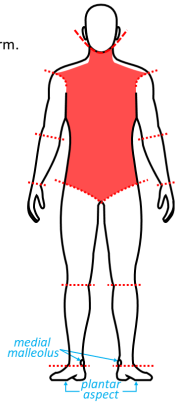
repeat original grip in new orientation

Grip

Definitions for Building a Formation

Scoring Zones

- Head** Above the jaw-line.
- Shoulder** The upper part of the body between the neck the upper arm. The shoulder blade is excluded.
- Arm** Below a line from the tip of the shoulder to the armpit, including the hand, excluding the shoulder.
Upper Arm: between shoulder and elbow.
Lower Arm: between elbow and wrist.
- Hand** Wrist to finger tips.
- Leg** Below a line from hip joint to crotch, including the foot.
Upper Leg: between hip and knee.
Lower Leg: between knee and ankle.
- Foot** On or below the anklebone (slight protrusion of the 'medial malleolus').
- Sole** Underside ('plantar aspect') of the foot.
- 'same'** (arm, leg, foot): left to left -or- right to right
- 'opposite'** (arm, leg, foot): left to right -or- right to left



For MFS grips only

A depicted grip by hand A on arm/hand B of another jumper may be substituted with a grip by hand B on arm/hand A, or by both grips simultaneously.

Legend Point of View

- All parts of the dart can be seen. This symbol indicates an **edge-on** view, as if a camera flyer was on level with the subjects.
 A dart will orient itself parallel to the relative wind, with its tip towards the oncoming wind. We have chosen three different views of a dart to indicate from which point of view the formation was drawn.
- Only the flight and shaft can be seen. This symbol indicates a view from **above**, as if a camera flyer was trailing or above the subjects, looking into the relative wind.
- Only the point, barrel and parts of the flight can be seen. This symbol indicates a view from **below**, as if a camera flyer was leading or below the subjects.

Legend for INTER Moves

- A **Turn** is a rotation around the vertical axis and can be executed left or right. The person's location relative to the center of the formation does not change.
- A **Carve** involves a turn combined with horizontal translation (change of a person's location relative to the center of the formation).
- A **Flip** is a pitch transition (rotation around the lateral axis) and can be executed front or back. The person's location relative to the center of the formation does not change.
- A **Loop** involves a flip combined with horizontal translation (change of a person's location relative to the center of the formation). A half loop is indicated by an added «180°».

For a complete analysis of body-flight movements, reference the paper «Body-flight Theory» by Niklas Daniel (click on this legend or – if you are looking at a printed version of this dive pool – go to axisflightschool.com).

- Indicates direction of turn by a sub-group.
- Indicates turn by sub-group in either direction. Sub-group can only accumulate the necessary degrees in the initially committed direction.
- Indicates clarification of intent.
- | | |
|------|------|
| 180° | 270° |
| 360° | 540° |

 Indicates approximate degrees of turn to show intent of the transition maneuver.